GENERAL INFORMATION

ACCREDITATIONS & AFFILIATION

2026-2027 University Accreditations & Affiliations

Accredited By
East Central University is accredited by the Higher Learning Commission (hlcommission.org), an institutional accreditor recognized by the U.S. Department of Education.

Other Accrediting Bodies
Accreditation Commission for Education in Nursing, Inc. (1978 to present)
Accreditation Council of Business Schools and Programs (2004 to present)
Council on Social Work Education (1984 to present)
National Association of Schools of Music (1996 to present)
Council for the Accreditation of Educator Preparation (2020 to present)
National Environmental Health Science and Protection Accreditation Council (1975 to present)

Approved By
American Bar Association (for Legal Studies Program)
Collegiate Officer Program
Oklahoma Board of Nursing
Oklahoma Council on Law Enforcement Education and Training
Oklahoma State Board of Education for Teacher Education
Oklahoma State Regents for Higher Education

Memberships
Accreditation Commission for Education in Nursing, Inc.
American Association of Colleges of Teacher Education
American Association of Colleges of Nursing
American Association of State Colleges and Universities
American Council on Education
Association of Continuing Higher Education
Conference of Southern Graduate Schools
Council of Baccalaureate and Higher Degree Programs
Council of Graduate Departments of Psychology
Council of Graduate Schools in the United States
Council on Social Work Education
National Board of Certified Counselors
National Council on Rehabilitation Education
National League for Nursing
Oklahoma State System of Higher Education
Teacher Education Council of State Colleges & Universities

2026-2027 PROGRAM INVENTORY

2026-2027 Program Inventory

Graduate Level Programs
Number of Programs By College

Undergraduate Level Programs

The alphabetical list below categorizes programs by subject area - not department or college. By selecting a subject area you will be taken to a list of relevant program offerings. For more information concerning each program, including specific course and credit hour requirements, please visit the relevant college/departmental section of the 2026-2027 Academic Catalog. Those programs available 100% online are identified. All other programs will require a significant on-campus commitment.

Accounting

The Accounting program falls under the Harland C. Stonecipher School of Business.

Degree: Bachelor of Science (BS)

- Major Program: Accounting

Minor: Accounting

Certificates

- Managerial Accounting
- Treasury Management

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Art

The Art program falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor's of Fine Arts (BFA)

- Major Program: Art
  - Concentration: Graphic Design
  - Concentration: Studio Art
  - Concentration: Teacher Certification

Minors:

- Art
- Art Therapy Preparation (for fine arts majors)
- Art Therapy Preparation - Visual Arts (psych and human services counseling majors only)
- Media/Graphic Arts (mass comm majors)
- Media/Graphic Arts (non mass comm majors)

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Biology

The Biology program falls under the College of Health & Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Biology
  - Concentration: General
  - Concentration: Medical Lab Science
  - Concentration: Ecology
  - Concentration: Health & Sciences
  - Concentration: Molecular Botany
  - Concentration: Teacher Certification

Minor: Biology

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Business Administration

Business Administration programs fall under the Harland C. Stonecipher School of Business.
* Available 100% Online
+ Available 100% On-Campus

Degree: Bachelor of Science (BS)

- Major Program: Business Administration
  - Concentration: Entrepreneurship
  - Concentration: Finance
  - Concentration: Business Administration*+
  - Concentration: Healthcare Management*+
  - Concentration: Human Resource Management
  - Concentration: Management
  - Concentration: Marketing

- Major Program: Information Technology Management
  - Concentration: Data Analytics
  - Concentration: Information Systems

Minors:

- Business Administration
- Business Administration for Music Majors
- Data Analysis
- Entrepreneurship
- Finance
- Human Resource Management
- Information Systems
- Management
- Marketing
- Military Science
- Project Management
- Promotions Management

Certificates

- Entrepreneurship
- Banking & Finance
- Fraud Examination
- Global Business
- Human Resources Management
- International Business Immersion ***New for 2026-2027***
- Leadership
- Management Information Systems
- Personal Finance Planning Certificate
- Project Management/Management
- Promotions Management
- Real Estate ***New for 2026-2027***

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Chemistry

The Chemistry program falls under the College of Health & Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Chemistry
  - Concentration: General
  - Concentration: Teacher Certification
  - Concentration: Biochemistry

Minor: Chemistry

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Computer Science

The Computer Science program falls under the College of Health & Sciences.
* Available 100% Online
+ Available 100% On-Campus

Degree: Bachelor of Science (BS)

- Major Program: Computer Science*+

Minor: Computer Science

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Criminal Justice

The Criminal Justice program falls under the College of Liberal Arts & Social Sciences.
* Available 100% Online
+ Available 100% On-Campus

Degree: Bachelor of Arts (BA)

- Major Program: Criminal Justice*+

Minor: Criminal Justice

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Education

Education programs fall under the College of Education & Psychology.

Degree: Bachelor of Science (BS)

- Major Program: Early Childhood Education (Teacher Certification)

Degree: Bachelor of Science in Education (BSE)

- Major Program: Elementary Education (Teacher Certification)

Minor: Education

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English
The English program falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor of Arts (BA)

- Major Program: English
  - Concentration: General
  - Concentration: Teacher Certification

Minors:

- English
- Humanities

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Environmental Health Sciences
The Environmental Health Sciences program falls under the College of Health & Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Environmental Health Science
  - Concentration: General
  - Concentration: Environmental Management & Natural Resources
  - Concentration: Public Health

Minors:

- Environmental Health Science
- Public Health
- Environmental Management & Natural Resources

Certificate: Geographic Information Systems

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History
The History program falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor of Arts (BA)

- Major Program: History
  - Concentration: General
  - Concentration: Teacher Certification

Minors:

- History
- Oklahoma Studies

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Human Services
The Human Services program falls under the College of Liberal Arts & Social Sciences.
* Available 100% Online
+ Available 100% On-Campus

Degree: Bachelor of Arts (BA)

- Major Program: Human Services Counseling
  - Concentration: Counseling*+
  - Concentration: Rehabilitation

Note: ECU officially list the major as Human Services Counseling. Students may select between one of two options, they can choose only the counseling course of study, or they can choose the concentration of rehabilitation.

Minors:

- Addictions (for dept. majors)
- Addictions (for non-dept. majors)
- Human Services Counseling (for dept. majors)
- Human Services Counseling (for non-dept. majors)

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Interdisciplinary Studies
The Interdisciplinary Studies program falls under the College of Liberal Arts & Social Sciences.
This program is only available 100% online.

Degree: Bachelor of Arts (BA)

- Major Program: Interdisciplinary Studies

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Kinesiology
The Kinesiology programs falls under the College of Education & Psychology.
* Available 100% Online

+ Available 100% On-Campus

Degree: Bachelor of Science (BS)

- Major Program: Kinesiology*+

Minor: Kinesiology

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Legal Studies

The Legal Studies program falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Legal Studies

Minor: Legal Studies

Certificate: Legal Studies ***New for 2026-2027***

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Mathematics

The Mathematics program falls under the College of Health & Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Mathematics
  - Concentration: Applied/Pre-Actuary
  - Concentration: General
  - Concentration: Teachers Certification
  - Concentration: Data Science

Minor: Mathematics

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Mass Communication

The Mass Communication Program falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Mass Communication
  - Concentration: Media Production
  - Concentration: Strategic Communication

Minors:

- Mass Communications
- Communication & Performance Studies

Certificates:

- Mass Communication: Social Media Marketing

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Music

The Music programs falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Music
  - Concentration: Instrumental
  - Concentration: Instrumental Teacher Certification
  - Concentration: Vocal
  - Concentration: Vocal Teacher Certification

Minor: Music

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Native American Studies

The Native American Studies program falls under the College of Liberal Arts & Social Sciences.
This program is only available 100% online.

Degree: Bachelor of Arts (BA)

- Major Program: Native American Studies

Minor: Native American Studies

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Nursing

The Nursing Program falls under the College of Health & Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Nursing

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Political Science
The Political Science program falls under the College of Liberal Arts & Social Sciences.

Degree: Bachelor of Arts (BA)

- Major Program: Political Science

Minors:

- Political Science
- Sociology

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Psychology
The Psychology program falls under the College of Education & Psychology.

Degree: Bachelor of Science (BS)

- Major Program: Psychology
  - Concentration: General
  - Concentration: Behavioral Health *(available 100% online only)*

Minor: Psychology

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Physics
The Physics program falls under the College of Health & Sciences.

Degree: Bachelor of Science (BS)

- Major Program: Physics
  - Concentration: General
  - Concentration: Medical Physics
  - Concentration: Teacher Certification

Minor: Physics

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Social Work
The SocialWork program falls under the College of Liberal Arts & Social Sciences.
* Available 100% Online
+ Available 100% On-Campus

Degree: Bachelor of Arts (BA)

- Major Program: Social Work*+

Minors:

- Social Work (for dept. majors)
- Social Work (for non-dept. majors)

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Graduate Level Programs

The alphabetical list below categorizes programs by subject area - not department or college. By selecting a subject area you will be taken to a list of relevant program offerings. For more information concerning each program, including specific course and credit hour requirements, please visit the Graduate School section of the 2026-2027 Academic Catalog.

Accounting
The MSA falls under the Harland C. Stonecipher School of Business.

Degree: Master of Science in Accounting (MSA)

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Biology
The Biology program falls under the College of Health & Sciences.

Degree: Master of Science (MS)

- Program: Biological Sciences
  - Concentration: General
  - Concentration: Health Services
  - Concentration: Water Sciences

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Business Administration
The MBA program falls under the Harland C. Stonecipher School of Business.

Degree: Master of Business Administration (MBA)

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Criminal Justice
The Criminal Justice program falls under the College of Liberal Arts & Social Sciences.
* Available 100% Online

Degree: Master of Arts (MA)

- Program: Criminal Justice Administration*

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Education
Education programs fall under the College of Education & Psychology.
* Available 100% Online Only

Degree: Doctorate of Education in Rural Education (EdD)*

Degree: Education Specialist (Eds)

Degree: Master of Education (MEd)

- Program Option: Educational Leadership*
- Program Option: Library Media*
- Program Option: School Counseling
- Program Option: School Psychometry
- Program Option: Special Education*
- Program Option: Sports Administration*

Post Master Non-Degree Pathways:

- Alternative Principal
- School Superintendent*

Other Non-Degree Pathways:

- Alternative Teaching Pathway*
- Special Education Bootcamp*

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Mental Health Counseling
The Clinical Mental Health Counseling program falls under the College of Liberal Arts & Social Sciences.
The program is available 100% online in a synchronous format - i.e., regularly scheduled online meetings.

Degree: Master of Science (MS)

- Program: Clinical Mental Health Counseling

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Management
The MIS program falls under the Harland C. Stonecipher School of Business.

Degree: Master in Management (MIM)

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Psychology
Psychology programs falls under the College of Education & Psychology.
* Available 100% Online

Degree: Master of Science in Psychological Services (MSPS)

- Program Option: Counseling
- Program Option: School Psychology
- Program Option: Sport Psychology

Degree: Master of Science (MS)

- Program Option: Sports Psychology*
- Program Option: Applied Psychology*

Certificates:

- School Psychologist
- School Psychometrist

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Water Resource Policy & Management

The MSWPM program falls under the College of Liberal Arts & Social Sciences.
* Available 100% Online

Degree: Master of Science in Water Resource Policy and Management (MSWPM)

- Program: Water Resource Policy & Management*

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Number of Programs by College

	School of Business	Education & Psychology	Health & Sciences	Liberal Arts & Social Sci.
UG Degree Types	1	2	1	3
UG Major Programs	3	4	7	12
UG Concentrations	9	2	19	15
UG Minors	13	3	8	23
UG Certificates	14	0	0	2
GR Degree Types	3	5	1	3
GR Program Options	0	11	1	3
GR Concentrations	0	0	3	0
GR Non-Degree Pathways	0	4	0	0
GR Certificates	0	2	0	0

2026-2027 ACADEMIC POLICIES

2026-2027 Academic Policies

The table of contents below contains links for navigating to specific policies. Those policies designated "UG" apply to undergraduates. Those with "GR" apply to graduate students. Where applicable, Oklahoma State Regents of Higher Education (OSRHE) Chapter 3 language is linked at the end of some policies.

Admissions Requirements (Undergraduate)

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First-Time Freshman: To be eligible for undergraduate admission at East Central University (ECU), the student must meet one of the following requirements.

- Have a 2.7 overall high school GPA
- Have a 2.7 high school GPA in 15 units of core curricular courses
- Pass the GED or HiSET
- Score a 20 on the ACT or 1030 on the SAT
- Have completed at minimum two concurrent courses from an Oklahoma institution at the time of application. Must have earned at least a 2.0 cumulative college GPA in the concurrent courses.

Applicants who do not meet one of the above may still be granted admission through the alternative or adult admission process (contact ECU Admissions for more details).

Transfer Student: Admission requires a minimum of 24 college credit hours previously earned with a minimum retention GPA of 2.0. Students with less than 24 prior hours earned at the college level will be reviewed utilizing the first-time freshman admission requirements. A high school or GED/HiSET transcript will be required. ACT or SAT scores are optional but can be used for admission consideration if supplied.

Concurrent Enrollment (High School Students): To be eligible the student must meet one of the following sets of requirements.

Option One

- Be enrolled as a high school junior or senior; AND
- Have an unweighted high school GPA of 3.00

Option Two

- ACT composite score of 20; OR
- GPA of 3.0 and class rank in top 50%; OR
- Pre-ACT composite score of 20

Only students with a minimum ACT score of 19 in science reasoning, mathematics and/or English may enroll for courses in these respective areas.

Fall/Spring Concurrent Enrollment Limit
For fall/spring semesters each concurrent student is limited to a maximum of 19 credit hours (high school and college combined). One high school course equals three semester credit hours of college work.

Summer Concurrent Enrollment Limit
Students otherwise eligible under these policies will be limited to nine college credit hours during summer terms.

Other Admissions Categories: Further information concerning admissions requirements can be obtained directly from the Office of Admissions.

Admissions Related Documents: Any documents the student provides during the admissions process become the property of ECU. These documents will not be returned to the student.

In-State/Out-of-State Tuition Status: As part of the admissions process, institutions are responsible for determining a student's in-state/our-of-state status consistent with this policy. The burden of proof to establish in-state status shall be upon the student. Since residence or domicile is a matter of intent, each case will be judged on its own merit by the appropriate administrative official(s) consistent with this policy. Below is a list of factors that will be taken into consideration.

1. Attendance at a postsecondary educational institution, albeit a continuous and long-term experience, does not establish in-state status. Therefore, a student neither gains nor loses in-state status solely by attendance.
2. Students attending an Oklahoma college or university may perform many objective acts, some of which are required by law (i.e. payment of taxes), and all of which are customarily done by some out-of-state students who do not intend to remain in Oklahoma after graduation, but are situational and necessary and/or voluntary (i.e. registering to vote, obtaining a driver's license). These acts and/or declarations alone are insufficient evidence of intent to remain in Oklahoma beyond the college experience.
3. An out-of-state student attending an Oklahoma college or university on more than a half-time basis is presumed to be in the state primarily for educational purposes.
4. An individual is not deemed to have acquired in-state status until he or she has been in the state for at least a year primarily as a permanent resident and not primarily as a student and has established domicile. Likewise, an individual classified as in-state shall not be reclassified as out-of-state until 12 months after leaving Oklahoma to live in another state.
5. Unless residency has been established in another state, an individual who resided in Oklahoma at the time of graduation from an Oklahoma high school and who has resided in the state with a parent or legal guardian for two years prior to graduation from high school, will be eligible for in-state status as allowed by this policy.
6. Each spouse in a family shall establish his or her own status on a separate basis. Exceptions include the following: when an out-of-state status individual marries a person with in-state status, the out-of-state individual may be considered in-state after documentation of the marriage and proof of domicile are satisfied without the 12-month domiciliary waiting period, and as provided in this policy.
7. Initial classification as out-of-state shall not prejudice the right of a person to be reclassified thereafter for following semesters or terms of enrollment as in-state provided that he or she establish domicile as defined in this policy. Institutions must establish procedures for students to appeal out-of-state status classification.

8. Institutions may, but are not required, to waive out-of-state tuition (also known as Nonresident Tuition Waiver) in accordance with current State Regents' *Tuition and Fees* policy that allows any institution in the State System to waive a portion of the out-of-state tuition which amount shall not exceed the difference between out-of-state tuition and the amount paid by in-state students. In compliance with federal regulation, out-of-state waivers are available to citizens of the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau.
9. When a student transfers from one institution to another, the institution to which the student transfers is not bound by the in-state/out-of-state classification previously determined and may request documentation to verify the student's in-state/out-of-state status.

Dependent & Independent Persons

1. The legal residence of a dependent person is the postsecondary student's parents or the residence of the parent who has legal custody or the parent with whom the student habitually resides. If the student is under the care of those other than the parents, the legal residence is that of the student's legal guardian.
2. In-state/out-of-state classifications of postsecondary students with extenuating circumstances (e.g., divorced parents with joint custody when one parent or legal guardian lives out-of-state and/or claimed as a dependent on a tax return, etc.) may be considered on a case-by-case basis. Guidance for administrative officers charged with classifying students will be provided in the *Procedures Handbook*.
3. A dependent person may establish independent person status through circumstances including, marriage, formal court action, abandonment by parents, etc. To qualify, a dependent person must have completely separated from the parental or guardian domicile and prove that the separation is complete and permanent. Additionally, the individual must provide evidence that they are responsible for their housing and living expenses. Mere absence from the parental or guardian domicile is not proof of its complete abandonment. If an applicant can provide adequate and satisfactory evidence of independent status and domicile, they may be granted in-state status.
4. If an independent person can provide evidence of coming to Oklahoma to establish domicile, the applicant may be granted in-state status at the next enrollment occurring after expiration of 12 months following establishment of domicile in Oklahoma.

Further information concerning various avenues to receive in-state tuition can be viewed within the full Oklahoma State Regents for Higher Education (OSRHE) 2024-2025 policy – see links below.

Inactivation of Non-Attending First-Time Admitted Students: Newly admitted students who do not attend their first term/semester at ECU will have their account inactivated in ECU's primary student information system (Ellucian Colleague). This inactivation will take place after the last day to add courses. Students who wish to attend ECU at a later time will need to reapply with the Office of Admissions.

OSRHE Chapter 3.9.1-5 Admissions Standards
OSRHE Chapter 3.10 Concurrent Enrollment
OSRHE Chapter 3.18 In-State vs. Out-of-State Tuition Status

Note: Admissions policies for the School of Graduate Studies can be found in the Graduate School section of this catalog.

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Academic Standing & Retention (Undergraduate & Graduate)

Undergraduate: Academic Standing is based on a combination of term and graduate retention GPA calculations. Below are the various academic standing designations for undergraduate students at East Central University (ECU).

Academic Notice: Provides beginning freshmen with a grace period to acclimate themselves with the rigor of college course work. Students with zero to 29 credit hours earned and a 1.7 to 1.99 graduate retention GPA will be placed on academic notice. Students with 29 or fewer hours earned and a graduate retention GPA below 1.7 will be placed on academic probation. Students with 30 or more earned hours are not eligible for academic notice.

Academic Probation: Applies to any student who has earned 30 hours or more with a graduate retention GPA less than 2.00. Students with less than 30 hours earned and a graduate retention GPA below 1.7 will also be placed on probation.

Continued Probation: Applies to any student who after being placed on probation completes the following term/semester with at least a 2.00 term GPA (not including activity or performance courses). For students with less than 30 hours earned the term GPA requirement will be 1.7. The student placed on continued probation will return to good standing after raising the graduate retention GPA to 2.00 or higher. A student on continued probation who earns a term GPA below 2.00 for a subsequent term/semester will be placed on academic suspension.

First Academic Suspension: Students will be suspended for the first time when their graduation retention GPA drops below 2.00 for two terms/semesters. Students suspended for the first time have the option to either appeal for the opportunity to continue their education immediately, or not attend ECU during the following 16-week semester. Previously suspended students returning after the suspension period must apply for readmission through the Office of Admissions. Upon readmission the student will be placed on probation status.

- Suspension Appeal: Students who appeal their first suspension must understand they are not appealing the accuracy of the suspension, but rather are petitioning for the opportunity to continue their education immediately. At the end of each term/semester the registrar will email suspended students with instructions for the appeal process.

Each student submitting an appeal must meet with the suspension review committee. If an appeal is approved the suspension standing will remain on the transcript. The student will only be permitted to enroll in courses meeting degree requirements. The committee reserves the right to deny an appeal and require the suspended student to accept the suspension period of one 16-week semester.

Continued Suspension (Summer Term): After spring semester, students who have their suspension appeal granted but who are again suspended at the end of summer term, will have the notation "suspension continued" placed on their transcript. Another appeal will not be permitted and the student will be ineligible to enroll for fall semester.

Students who are suspended as a result of fall grades, sit out the following spring semester, and then are suspended again as a result of summer grades, will have the notation "suspension continued" placed on their transcript. Another appeal will not be permitted and the student will be ineligible to enroll for fall semester.

Suspension of Seniors: Students with 90 hours or more who are suspended for the first time may request a senior exception. The request should be submitted as an appeal in accordance with the statements above. If granted, the exception will permit the student to enroll in up to 15 hours during the following 16-week semester. Summer credit hour limits will be left to the appeal committee's discretion. During the exception period the student must earn a term GPA of 2.00 or higher. The student will not return to good standing until his or her graduate retention GPA is raised to 2.00 or higher. The senior exception may only be used one time per student.

Second/Subsequent Suspension: The second time a student is placed on academic suspension an appeal is not permitted. The student cannot be readmitted for one calendar year. Effective for the 2024-2025 academic year, the one year absence is the only academic requirement to return to ECU. Students returning after a second suspension must apply for readmission through the Office of Admissions. Returning students must also be in good financial standing with the university. Students who receive a subsequent suspension will have their academic programs inactivated in ECU's Colleague student information system. This is to ensure compliance with the readmission requirement. Upon readmission, applicable programs may be reactivated.

President's Honor Roll: This honor is only awarded after fall and spring semesters. Eligible students will have successfully completed a minimum of 12 hours during the semester (graded A, B or C), earned no grade lower than a "C," and not have received an I-grade for any course. The required term GPA is 4.00. Students will have their names published on the ECU website unless a privacy flag has been placed on their record. Grade changes after final grades are due may only contribute toward the honor if occurring within one calendar week of the deadline for grade submission. In such cases a comment will be added to the student's ECU transcript notating the honor. The student's name will not be published to the website. Grade changes submitted at a later date will be applied toward GPA calculations, but cannot result in a student being added to the President's Honor Roll - no exceptions.

Dean's Honor Roll: This honor is only awarded during fall and spring semesters. Eligible students will have successfully completed a minimum of 12 hours during the semester (graded A, B or C), earned no grade lower than a "C," and not have received an I-grade for any course. The required term GPA is 3.33. Students will have their names published on the ECU website unless a privacy flag has been placed on their record. Grade changes submitted after final grades are due may only contribute toward the honor if occurring within one calendar week of the deadline for grade submission. In such cases, a comment will be added to the student's ECU transcript notating the honor. The student's name will not be published to the website. Grade changes submitted at a later date will be applied toward GPA calculations, but cannot result in a student being added to the Dean's Honor Roll - no exceptions.

OSRHE Chapter 3.9.6 Retention & Academic Standing Policy

Graduate: Academic Standing for the School of Graduate Studies is based on a combination of term and graduate retention GPA calculations.

Academic Probation: Graduate students may be placed on academic probation for either of the following reasons.

1. Graduate Retention GPA Below 3.0: A student whose graduate retention GPA is less than 3.0 will be placed on academic probation. While on probation, a minimum 3.0 GPA must be earned during each subsequent term/semester. The student will be removed from probation after the graduate retention GPA raises above a 3.0. Failure to earn a term GPA of 3.0 or higher while on probation will result in a status of academic recovery.
1. Third C-Grade or First D/F-Grade: Any student earning a third C-grade or one or more D or F-grades, will be placed at a minimum on academic probation. In certain graduate degree programs the student may be dismissed from ECU. The student will be removed from academic probation upon repeating the course and earning a suitable grade.

Academic Suspension: A graduate student on Academic Probation who has earned below a 3.0 semester or term GPA will be permitted one term of Academic Recovery. If during that term a student earns a semester or term GPA of 3.0 or higher, that student will continue on Academic Probation until the ECU Retention GPA is 3.0 or higher. If during the term of Academic Recovery, the student earns a semester or term GPA lower than 3.0, that student will be suspended from the graduate program.

A graduate student who is placed on Academic Suspension will not be permitted to enroll in classes and will not be eligible for reinstatement for a minimum of one semester. After a minimum of one semester of non-enrollment, a student may petition the School of Graduate Studies for reinstatement. A decision will be made after review by the program faculty and Graduate Committee.

A graduate student whose ECU retention GPA is less than 3.0 at the completion of an approved program may be permitted to register for a maximum of six (6) additional credit hours at ECU in courses approved by the student's advisor and the Graduate Dean. If, after completion of the additional credits, the GPA is still less than 3.0, the student will not be allowed to take additional graduate level work leading toward a graduate degree and will be dismissed from the graduate degree program.

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Americans with Disabilities Statement (Undergraduate & Graduate)

East Central University, in compliance with all applicable Federal and State laws and regulations, does not discriminate on the basis of race, color, national origin, gender, age, religion, disability, status as a veteran, or special disabled veteran in any of its policies, practices, or procedures. This includes but is not limited to admission, employment, financial aid, and educational services.

East Central University is committed to providing equal access to University programs and services for all students. Under university policy and federal and state laws, students with documented disabilities are entitled to reasonable accommodations. If any member of the class has a documented disability requiring academic accommodations, he or she should report to the Office of Testing and Accessibility Services. A student seeking reasonable accommodations originating from a documented disability must register with the Office of Testing and Accessibility Services so that said accommodations may be provided.

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Assessment Policy (Students) (Undergraduate)

East Central University's (ECU) assessment program is based upon the Oklahoma State Regents for Higher Education's assessment policy requiring all state system colleges and universities to assess entry-level, mid-level, and major field student academic achievement and to assess student satisfaction. ECU's policy addresses these four areas and is designed to assist faculty and students in promoting student success in achieving their academic goals and to aid the university in the improvement of teaching and learning.

Entry-Level Assessment: All students who enroll at East Central University as first-time entering freshmen and transfer students who enter the university with six or fewer semester credit hours attempted are required to participate in entry-level assessment. In addition to complying with published ECU admission standards, participation in entry-level assessment may include other activities such as taking placement tests, completing student surveys, and contributing to other entry-level assessment-related activities.

Mid-Level (General Education) Assessment: All students who enroll at ECU as freshmen or transfer students without an associate of arts or associate of science degree are required to participate in mid-level assessment of General Education. Participation in mid-level assessment may include such activities as taking assessment tests, participating in student orientation, developing portfolios, completing student surveys, and contributing to other mid-level assessment-related activities.

Assessment of the Major: During their junior and senior years, all students are required to participate in major field assessment. Participation in major field assessment may include such activities as enrolling in capstone courses, taking assessment tests, developing portfolios, completing student surveys, and contributing to other assessment-related activities of one's major.

Student Satisfaction Assessment: Using surveys, focus groups, and other assessment-related activities, assessment of student satisfaction encompasses two areas: current student and alumni satisfaction with student services, such as housing, food services, financial aid, extra-curricular activities, library, bookstore, advising and counseling, etc.; and alumni satisfaction with overall quality of their education at ECU.

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Attendance Requirements (Undergraduate & Graduate)

Attendance as it relates to grading is left up to the discretion of the course instructor. Makeup work, if permitted, is also left to the instructor's discretion. All instructional faculty are required to notify students of relevant policies at the beginning of the term/semester.

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Bachelor's Degree Graduation Requirements (Undergraduate)

Graduation requirements for a bachelor's degree consist of four parts. All four parts must be taken into consideration when determining a student's progress toward degree completion.

- General Education Requirements
- Program (major/minor) Requirements
- Requirements Specific to Various Bachelor's Degrees
- Other Institutional & State Requirements

Enrolled students may view their progress toward degree completion at any time in Colleague Self-Service under the Progress Tab. Prior to becoming eligible to submit a formal graduation application, any and all clarification concerning progress to degree should be sought with a student's academic advisor. The ECU Records Office does not complete degree audits prior to the formal graduation application process. For information concerning when it is appropriate to submit a formal graduation application, please see the relevant academic catalog policy.

General Education

General Education Philosophy: East Central University (ECU) embodies its commitment to the values of a liberal arts education through its general education requirement, which is designed to assist students in attaining the knowledge, skills, and attitudes recognized by the University as fundamental to every educated person's understanding of and response to the world. A liberal arts education contributes to the development of informed, responsible citizens, capable of promoting and maintaining a free society, and it provides individuals a foundation for making those ethical, logical, technological, and ecological decisions requisite to effective participation in such a society.

General Education Mission Statement: As part of liberal arts education that inducts students into an intellectual community in preparation for and enhancement to disciplinary majors, the General Education Program at East Central University provides students the integrated and thorough foundation needed to reflect critically on information to understand and acknowledge the diversity of life and cultures, to see the relationships among concepts, and to appreciate the interrelatedness of academic areas.

Prior Associate Degrees & General Education: Please see the Transfer Credit Policy section of this catalog.

General Education Requirements: Students should consult with an academic advisor when deciding which general education courses to enroll in. Many majors require that a student select a particular course to fulfill a specific general education sub-requirement. A minimum of 40 hours must be earned to satisfy general education requirements for graduation.

2026-2027 General Education Course Requirements & Options

As part of the general education curriculum, students must complete at least one course that meets each of the following five student learning outcomes.

- Communication (C): Students communicate effectively in a variety of situations.

Over the course of the general education program, students will learn to communicate in a variety of ways. This includes both written and spoken communication, but also involves communicating using different technologies and learning to mix text, data, graphs, and images. To make their communication effective, students will learn how to select language appropriate to their audience, purpose, and context. Students will also learn how to actively listen so they can understand the diverse perspectives of others and participate in a civil discourse.

- Critical Thinking (CT): Students explore issues and ideas before formulating an opinion, solving a problem or drawing a conclusion.

Over the course of the general education program, students will build the habit of critical thinking. Students will learn to analyze and evaluate data and evidence, interpret and develop ideas, and combine that information into a coherent whole. Critical thinking is vital to all areas of life; thus, students will learn to apply critical thinking skills not only in an academic setting, but also beyond the campus to personal or global issues.

- Information Literacy (IL): Students consume and produce information of any form effectively and ethically.

Over the course of the general education program, students will learn how to find, use, and share information. Information comes in many forms, such as text, numbers, images, or sound, and many of those forms are rapidly changing. Students will learn to adapt to emerging technologies and responsibly participate in this ever-changing information ecosystem, abiding by ethical or legal restrictions on the use of information.

- Intercultural Knowledge & Competence (IKC): Student recognize the complexity of identity, culture and heritage.

Over the course of the general education program, students will develop an understanding of how identity, heritage, and culture shape the world. Beyond mere awareness or appreciation, intercultural knowledge and competence supports meaningful interaction in a variety of cultural contexts as students seek out multiple perspectives with openness, empathy, and respect.

- Global Citizenship (GC): Students recognize the complexity of global systems and their roles within them.

Over the course of the general education program, students will develop awareness of their intersecting roles and responsibilities at local, state, national, tribal, and global levels. Students will critically analyze natural, physical, social, cultural, economic, and political systems. Students will have the tools to take informed and responsible action, supported by respectful collaboration, to address local and global challenges.

Program Requirements (Majors and Minors)

Program requirements can be found within the respective academic college section of this catalog. Students may also view degree check sheets by catalog year on the ECU website. Enrolled students can view their declared program as well as other degree requirements within Colleague Self-Service. Listed below are a few important things to keep in mind concerning program requirements.

- Some major programs require students to complete a minor, but others do not. For those programs that do require a minor, the requirements will be waived if the student is pursuing a double major (i.e., completing two major programs of study).

- When earning a major and minor program each must be from a different academic discipline – unless the student is pursuing a specific major program that permits otherwise.
- Some major programs may require students to select their minor from a limited set of options.
- A major program of study will require completion of at least 30 credit hours within the subject area. Some major programs will require additional subject relevant hours.

Requirements Specific to Various Bachelor's Degrees

The following bachelor's degrees are awarded by ECU. Each major program of study will fall under one of the following types of bachelor's degrees. Each type of bachelor's degree listed comes with its own requirement for liberal arts and science courses.

- Bachelor of Arts (B.A.)
- Bachelor of Science (B.S.)
- Bachelor of Fine Arts (B.F.A.)
- Bachelor of Social Work (B.S.W.)
- Bachelor of Science in Education (B.S. ED)

Note: Oklahoma State Regents for Higher Education classifies B.F.A., B.S.W., and B.S. ED under the category of Bachelor of Specialty.

Bachelor of Arts: At least 80 semester credit hours must be from liberal arts and science courses.

Bachelor of Science: At least 55 semester credit hours must be from liberal arts and science courses.

Bachelor of Specialty (B.F.A., B.S.W. and B.S. ED): At least 40 semester credit hours must be from liberal arts and science courses.

Other Institutional & State Graduation Requirements

Overall Minimum Credit Hours: At least 120 credit hours are required. Some programs may require additional hours, which will be noted in the same catalog section as the major/minor requirements. The following will not count toward the minimum 120 hours.

- Zero Credit Courses
- Zero Level Courses (Developmental/Remediation)
- Non-Degree Bearing Courses (transcribed as "not applicable to degree")

Kinesiology (KIN) activity course credits may not count toward the minimum 120 hours. However, for programs requiring 124 hours, a maximum of four KIN activity credits are allowed.

Residency Hours: Listed below are the requirements concerning the minimum number of credit hours a student must earn from ECU before being awarded a bachelor's degree.

- A student must earn a minimum of 30 credit hours from ECU, and at least 12 of those 30 hours must be upper division (3000 or 4000 level).
- At least 15 of the last 30 hours earned before graduation must be earned from ECU; *OR*
- At least 50% of credit hours required by the major must be earned from ECU.
- At least nine upper division hours within the major and three upper division hours within the minor must be earned from ECU.

Upper Division Credit Hours (3000 or 4000 level): Below are the requirements concerning the minimum number of upper division credit hours

- At least 40 upper division credit hours are required for a bachelor's degree.
- At least 15 upper division credit hours are required within the major program of study.
- At least nine upper division credit hours within the major program of study must be earned from ECU.
- At least three upper division credit hours are required within the minor. These three hours must be earned from ECU.
- Credit transferred from another institution will be classified at the level (lower/upper division) at which it was originally earned.

Correspondence Credits: Students returning to finish their degree after many years may have correspondence credits on their transcript. A maximum of 31 hours of correspondence work may count toward a bachelor's degree. Modern online courses are not considered correspondence courses.

Double Dipping: When a single course is used to satisfy more than one graduation requirement it is commonly referred to as "double dipping." Below are the rules governing how courses can be utilized in this way.

- Double dipping between general education and major program requirements is limited to 12 hours for some but not all academic programs. Students should consult with their major program advisor to determine if this rule applies to their course of study.
- Double dipping may occur between general education and minor requirements without limit, but only so long as other rules in this list are not violated.
- No single course may count toward all three – general education, major and minor.
- No single course may count toward two majors, excluding related work courses.
- No course may count toward both the major and minor, excluding related work courses.

Note: Courses designated as related work will be identified within each academic programs's section of this catalog.

Double Majors: A student "double majors" when completing two major programs of study while earning a single bachelor's degree. For example, earning a Bachelor of Arts with majors in art and music.

- Students who declare a double major are not required to declare a minor.
- No course may count toward both majors, excluding related work courses.
- If a student completes two major programs, each of which on its own would fall under a different type of bachelor's degree, then the degree type awarded will correspond to the first of the two majors declared by the student. Students in this instance also have the option to complete two separate bachelor's degrees - please see policy below for more details including increased credit hour requirement.

Earning Two Degrees: The following rules are applicable to students with the intention of earning two bachelor's degrees from ECU.

- Two Degrees Simultaneously: A student who meets the requirements for two majors may apply for two separate degrees if at least 154 credit hours have been earned.
- After Earning a Prior Bachelor's: At least 150 hours (total) must be earned before the second degree can be awarded, excluding graduate level credit. All requirements for the second degree (including general education, major and minor) must be fulfilled in accordance with the catalog year current at the time the student declared his/her intent to complete the second degree. See catalog year policy for further information. Courses that counted toward the major for the first bachelor's degree may not be applied toward the major for the second bachelor's degree, excluding related work courses.

Limit One Undergraduate Minor: Undergraduate students are only permitted to complete one minor program.

U.S. History & U.S. Government: All students graduating with a bachelor's degree of any type must have completed at least six semester hours of college credit in U.S. History and U.S. Government. Courses satisfying this requirement must be primarily focused on a general overview of U.S. History and U.S. Government. The primary focus must be clear from the wording in the course title and description. Other history courses may not be substituted toward the requirement.

Computer Literacy Requirement (CLR): The CLR may be fulfilled with any of the following options:

- Option 1: Successful completion of one general education course in computer literacy.
- Option 2: Successful completion of a sequence of courses within a program of study (major) which a department and school or college dean designate to fulfill this requirement.
- Option 3: Successful completion of a degree program in which use of a computer is integral to the program (e.g., major in Computer Science).
- Option 4: Successful completion of an associate of arts or science degree at a two-year college in which the computer skills requirement was met (this option may not be used to reduce or remove any ECU program requirements). The associate's degree must have been awarded from a regionally accredited institution of higher learning in Oklahoma. Applied associate degrees do not qualify.

Note: This policy applies to first-time beginning freshmen admitted to the university in the fall of 1998 and thereafter.

Grade Point Average (GPA) Requirements: The following minimum GPA values are required for a bachelor's degree.

- A minimum GPA of 2.00 is required across all transcripted work including courses earned at ECU as well as any prior institutions.
- A minimum GPA of 2.00 is required inclusive of all courses completed at ECU.
- A minimum GPA of 2.00 is required for courses counting toward the major program of study. Specific majors may require a higher minimum GPA.
- A minimum GPA of 2.00 is required for courses counting toward the minor program of study.
- Per Oklahoma Regents Policy, GPA calculations shall not include physical activity courses. All physical activity courses transcribed at ECU are graded pass/fail.

Maximum Military Science Credits: A maximum of 24 Military Science credit hours may be applied toward a bachelor's degree.

Individual Study Course Credits: A maximum of nine credit hours of Individual Study credits may be applied toward a bachelor's degree.

Senior College Requirement: A minimum of 60 credit hours, excluding activity courses, must be earned from a baccalaureate degree awarding institution (i.e., from a four year school).

Maximum Transfer Credits: A maximum of 90 transfer credits may count toward graduation for a bachelor's degree.

OSRHE Chapter 3.15 Undergraduate Degree Requirements
OSRHE Chapter 3.14 Granting of Degrees & Other Awards

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Catalog Changes (Undergraduate & Graduate)

In an effort to ensure accuracy, East Central University (ECU) reserves the right to make changes to curricula, degree requirements, course offerings, program descriptions, and all policy regulations within the academic catalog at any time. The most up-to-date version of the catalog will be posted to the ECU website.

OSRHE Chapter 3.4 Academic Curricular Additions & Changes

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Catalog Year Policy (Undergraduate & Graduate)

Purpose: The following language is intended to answer questions concerning which catalog year (i.e., degree requirements) a student will be held accountable to when applying for graduation (undergraduate (UG) and graduate (GR) levels) at East Central University (ECU).

What is continuous enrollment? (UG & GR)
A student is considered continuously enrolled if a transcribed grade exists for at least one credit hour, semester to semester, excluding summer, without a break of more than one calendar year.

When is catalog year assigned? (UG & GR)
A student's catalog year is initially assigned upon first enrolling at ECU. The statements below outline circumstances under which a student's catalog year is subject to change.

How will concurrent enrollment during high school impact catalog year? (UG Only)
Students attending ECU under a concurrent enrollment program prior to graduating high school, will have their catalog year updated to the current year if later admitted as a post-high school undergraduate. The change to catalog year will take place in the Admissions Office during the readmit process.

Can the catalog year for my general education requirements be changed? (UG Only)
The catalog year for general education requirements will always match the catalog year for your primary major. For students with more than one major course of study, the primary major will be the one the student has been pursuing for the longest period of time. It is not possible for a student to change the catalog year for general education requirements only. Such a change will always impact the catalog year for the primary major.

I am only pursuing one major. If I change that major, will my catalog year change as well? (UG & GR)
Continuously enrolled students who change their major, and who are only pursuing one major, will not have their catalog year changed unless they request to have the catalog year moved forward to a more recent catalog, or if the catalog year assigned to the previous major is not available for the new major. Importantly, changing the catalog year for the primary major will also impact general education requirements.

If I declare a second major, which catalog year will I be assigned? (UG & GR)
Continuously enrolled students who declare a secondary major will retain the same catalog year as currently assigned to the primary major – unless that student specifically requests a more recent catalog year for the secondary major, or if the catalog year assigned to the primary major is not available for the secondary major. Primary and secondary major programs of study are not required to follow the same catalog year.

How are catalog years assigned for a minor program? (UG only)
The assigned catalog year for a minor is not required to match the catalog year for any major program of study. When a minor is declared, the most up-to-date catalog year available at that time will be assigned to the minor.

Other institutional graduation requirements outside general education, major and minor (UG & GR)
The requirements will match the catalog year assigned to the primary major.

If I fall out of continuous enrollment, for how long may I keep my assigned catalog year?
Completed General Education Before Leaving ECU: If all general education requirements were fulfilled prior to the student falling out of continuous enrollment, then for a period of 3 years the student may *REQUEST* to return and finish his/her degree according to the catalog years assigned to all declared programs (majors and minors) when last attending. The request should take place *AFTER* being readmitted to ECU, and may be submitted via a paper form obtained from the Records office. The request must be submitted within six months of being readmitted.

Incomplete General Education Before Leaving ECU: If all general education requirements were not fulfilled prior to the student falling out of continuous enrollment, then after one calendar year all assigned catalog years will be reset to the most recent year. Students who were granted a Leave of Absence (LOA) prior to falling out of continuous enrollment may be allowed more time before having their catalog year reset – this will be subject to the terms of the LOA granted to the student. If the LOA permits additional time before resetting the catalog year, then *AFTER* being readmitted to ECU, the student must *REQUEST* to have his/her catalog year changed to what it was prior to falling out of continuous enrollment. The request may be submitted via a paper form obtained from the Records Office. The request must be submitted within six months of being readmitted.

Students with an Approved Graduation Application on File: If before falling out of continuous enrollment a student applied for graduation and had his/her application approved by the Records Office, then that student may REQUEST to return to ECU and complete the degree – *according to the terms of the existing graduation application* – for a period not to exceed 3 years. The request will be submitted via a paper form obtained from the Records Office. The request must be submitted within six months of being readmitted. This applies to all graduation requirements including general education, major, minor and any other institutional requirements, but is subject to the relevant programs and required courses still being available at ECU. After 3 years the application will no longer be valid. For students who return after 3 years, all current catalog year requirements at that time will apply toward graduation.

What if changes to program requirements are implemented while I am continuously enrolled at ECU?
If curriculum changes take place for the general education program, major program and/or minor program, students enrolled at the time will retain their assigned catalog year – unless a request is made to move to the new catalog year requirements. All policies outlined above will still apply.

Licensure Programs, OSRHE Policies and Catalog Year
For degree programs leading to licensure, the application of catalog year stated herein will apply except when current licensure requirements require otherwise. Academic policies are often guided by the requirements of professional licensing agencies. For students who fall out of continuous enrollment, the application of catalog year could also be impacted by policies governed by the Oklahoma State Regents for Higher Education (OSRHE) current at the time of readmission to ECU.

How do I update my degree requirements to the more recent catalog year?
Students must complete the form *titled Request to Move Catalog Year Forward*, which can be obtained either directly from the Records Office or from the office's web page. Importantly, this is different from the *Degree Change* form, which is used to change a student's major or declare a secondary major/minor. If after declaring a major or minor the student wishes to move the catalog year forward, *the Request to Move Catalog Year Forward* form must be completed.

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Classification by Credits & Level (Undergraduate & Graduate)

Students are classified as follows based on the number of credit hours earned and the level of enrolled courses.
Freshman (FR) = zero (0) to 29 credit hours earned
Sophomore (SO) = 30 to 59 credit hours earned
Junior (JR) = 60 to 89 credit hours earned
Senior (SR) = 90 or more credit hours earned
Senior Enrolled in Graduate Courses (S+) = An undergraduate student with 90 or more credit hours earned who has been granted permission by the Dean of Graduate Studies to enroll in 5000 level courses.
Special Student-Not Reg Admit (SP) = An undergraduate student admitted under the non-degree seeking status.
Graduate Student (GR) = Having previously earned a bachelor's degree, the student has been admitted to one of ECU's graduate programs.
Special Graduate-Not Reg Admit (SG) = A student provisionally admitted to the School of Graduate Studies, permitted to enroll in a limited number of 5000 level courses, but considered as non-degree seeking.

"Pre-Baccalaureate" and "Post-Baccalaureate" are not what ECU considers to be classifications. How does ECU treat the terms?

Pre-Baccalaureate: This is commonly referred to as "Pre-Bac." ECU does not currently use this terminology.

Post-Baccalaureate: Commonly referred to as "Post-Bac," this refers to any student who has previously completed a bachelor's degree. Depending upon the circumstances, "Post-Bac" may or may not be coded for the student in Colleague. The handling of transfer credits for Post-Bac students can be found within the Transfer Credit Policies section of this document.

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Commencement Participation (Undergraduate & Graduate)

Commencement (i.e., graduation) is held twice a year (December and May).

- Completing Degree in Fall = Will Participate in December Ceremony
- Completing Degree in Spring = Will Participate in May Ceremony
- Completing Degree in Summer = Option to Participate in May or December Ceremony

Students completing their degree in a fall or spring semester may not choose an alternative ceremony. Students completing their degree in the summer will have their name listed both in the May and December event programs. Inclusion in the May event program requires submitting a graduation application by the deadline announced at the start of spring semester. Summer graduates are not required to let ECU know which ceremony they plan to attend.

Graduation Fees: Fees are subject to ECU's fee structure at the time a student plans to complete his or her degree.

Delayed Commencement Participation: Only deployed active-duty U.S. Military members may delay their commencement participation beyond what is outlined at the beginning of this policy. Deployed active-duty U.S. Military members needing to delay their commencement participation should contact the registrar (registrar@ecok.edu).

Embassy Letters for Family Visitation: The Records Office does not write letters to the U.S. Embassy concerning a student's intent to graduate. ECU has confirmed that the U.S. Embassy does not take such letters into consideration when issuing visas. Students who would like family members from outside the United States to attend commencement are encouraged to be proactive and begin making arrangements early.

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Course Identification (Undergraduate & Graduate)

Subject Prefix: The course prefix (e.g., BIOL) indicates the academic department offering the course.

Course Numbering System: The first digit in a course number reflects the class level. The last digit in a course number reflects the credit hours. For example, ENG 2243 is a sophomore level course offered by the English Department for three credit hours. BIOL-4123 is a senior level course offered by the Biology Department for three credit hours.

0000 – Below Freshman Level Course
1000 – Freshman Level Course
2000 – Sophomore Level Course
3000 – Junior Level Course
4000 – Senior Level Course
5000 – Masters Level Course
6000 – Doctorate Level Course
7000 – Doctorate Level Course

Some academic departments may place a letter before the course number, which indicates additional content information beyond the course prefix (e.g., HIST-A4993; seminar topic in America history).

Courses numbers including the first three digits 499 (undergraduate) or 599 (graduate) are Individual Study courses (see policy below).

Individual Study (I.S.) Course: I.S. courses permit an academic department to offer subject content not matching an existing course in the East Central University (ECU) catalog. Only nine credit hours of I.S. courses may count toward graduation at the undergraduate level. All I.S. courses must be approved by the college dean. Students interested in an I.S. course should speak with the academic department offering the relevant subject matter. All I.S. course requests must reach the Records Office (i.e., all prior Etrieve approvals obtained) by the last day to add courses for the term/semester in which the course is to be offered. Late course requests will not be accepted.

Taught-By-Arrangement (TBA) Course: TBA courses are to be used only under special circumstances that warrant offering an existing East Central University course to a single student. All TBA courses must be approved by the college dean. Students interested in a TBA course should speak with the academic department offering the relevant subject matter. All TBA course requests must reach the Records Office (i.e., all prior Etrieve approvals obtained) by the last day to add courses for the term/semester in which the course is to be offered. Late course requests will not be accepted. TBA courses are not intended as a mechanism for offering regularly scheduled courses that were canceled due to low enrollment.

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Course Late Adds, Drops & Withdrawals (Undergraduate & Graduate)

Deadlines for adding late, dropping and withdrawing from courses are available within the academic calendar. All enrolled students have a responsibility to familiarize themselves with important dates. East Central University (ECU) is not responsible for a student's failure to be knowledgeable of, and abide by, these deadlines. When a student registers for a course, ECU is no longer able to offer that seat to another paying student. A debt to ECU is also a debt to the State of Oklahoma. Students who fail to drop their courses by the deadline, and/or who fail to follow the correct drop process, will be required to pay all monies owed to ECU.

Terminology:

Late Add: After the last day to add courses and no later than the last day to drop courses (see academic calendar), students may complete a late add card and submit it to the Records Office. The card will be obtained from and submitted to the Records Office. Late add cards will require a signature from the course instructor, the college dean and the financial aid office. Athletes and international students will also be required to obtain a signature from their certifying officials.

Course Drop: A course drop may take place between the time a student registers for the course and the last day to drop as stated on the academic calendar. The last day to drop will also be the last day to receive a refund for tuition and fees. Some charges may be prorated depending upon services utilized prior to the drop date. Courses may be dropped online in Colleague Self-Service through the last day to drop. Alternatively, students may complete a paper drop card or a drop/withdrawal form on Etrieve.

Course Withdrawal: A course withdrawal may take place between the day after the last day to drop and the last day for a withdrawal as stated on the academic calendar. Courses may be withdrawn from by submitting a drop/withdrawal form in Etrieve. A refund will not be issued for withdrawn courses. The grade of "W" will be posted to the transcript at the end of term for any withdrawn courses.

Administrative Withdrawal: Students may not request an administrative withdrawal. This type of withdrawal takes place when either the course instructor or university administration determine a student must be unenrolled. A refund will not be issued for administratively withdrawn courses. The grade of "AW"

will be posted to the transcript at the end of term. The deadline for instructional faculty to request an administrative withdrawal is the same as the deadline for students to request a withdrawal each academic term/semester.

Never-Attended or "No-Show:" Faculty members have a period of time at the beginning of each term/semester, ending on or about the last day for course drops, when they can report students who never attended class. Only those students who are reported as never-attending for all their currently in-progress courses will be administratively dropped.

Once dropped from courses due to the no-show reporting process, a student may not be added back to a single course. If added back to one course, the student must be added back to all courses dropped due to the no-show process. These course adds will be subject to the approvals required by the late-add form, which is available in the Records Office. The Registrar will only add a student back to courses after late-add forms have been submitted for all courses dropped as a result of the no-show reporting process.

- 1st 8-Week & 16-Week Courses (August/January): Students reported as no-show for all in-progress 1st 8-Week and 16-Week courses will be administratively dropped for all enrolled 1st 8-Week, 16-Week and 2nd 8-Week courses. Students who wish to re-enroll in 2nd 8-Week courses may do so subject to current course availability and enrollment deadlines.
- 2nd 8-Week Courses (October/March): Students reported as no-show for all 2nd 8-Week courses will be administratively dropped from those courses. Any further no-show entries for 1st 8-Week or 16-Week courses made at this time will not result in administrative course drops.
- Summer (June): Students reported as no-show for all 8-Week summer courses will be administratively dropped from those courses.
- Intersession (December/May): Faculty members may reports students as no-show by sending an email to the University Registrar. The email should contain the following information:
  - Student's First & Last Name
  - Student's ECU ID
  - Course Information (Prefix/Number/Section/Title)

No Active Program Drop: During the first week of classes for all terms/semesters, any student enrolled without having an active academic program will be dropped from all courses. An "active program" is one the student has formally declared he/she is pursuing for the purpose of graduation. Seldom will enrolled students not have an active academic program, but when this does occur it complicates federally mandated enrollment reporting requirements for ECU. Students who are dropped for this reason will not be charged for tuition and fees. Students subject to this policy may re-enroll via the late add process with the permission of their instructor and college dean.

Medical Withdrawal: Students withdrawing for medical reasons prior to the last day to withdraw need not follow a special process. Completing the drop/withdrawal form in Etrieve will result in a withdrawal with W-grades. On the Etrieve form the student should select "medical" as their reason for withdrawing. These students may also wish to review the leave of absence policy.

Late Medical Withdrawal: Students who experience a medical related extenuating circumstance after the last day to withdraw may request a late medical withdrawal. The appropriate form may be found on the Records Office web page. The form may also be obtained directly from the Records Office. For currently enrolled students, any email communications sent to the Records Office must come from the student's own ecok.edu account.

Late Medical Withdrawal Policy: A late medical withdrawal may only be requested for the term/semester during which the medical circumstances occurred. Relevant medical documentation from a pertinent and licensed health care professional will be required. The above-mentioned request form must be submitted to the Records Office within one calendar year after the term/semester ends. Qualified medical events apply only to the student (not the student's family members or friends). The Records Office will coordinate with the Office of Academic Affairs to have the request reviewed. The final decision will be communicated to the student directly from Academic Affairs. If approved, relevant courses will be assigned a GPA neutral grade of "W."

Last Day of Attendance (LDA) for Late/Backdated Withdrawals: Effective Fall 2026, if administration grants an exception permitting a W-grade to be assigned after the withdrawal deadline, the last day of attendance for that enrollment action will be dated to withdrawal deadline posted publically to the academic calendar.

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Course Load Maximums & Overload (Undergraduate & Graduate)

This policy outlines the maximum workload for students during a term/semester. It is expected that a full-time college student will spend, at a minimum, an amount of time each week in class attendance and study outside of class approaching 40-hours per week. Students who wish to pursue an overload of course credits should only expect to be granted permission if they have previously demonstrated superior academic achievement.

Undergraduate Students: Below are the maximum credit hours a student may register for without obtaining special permission from the college dean. The appropriate college dean will be the one overseeing the student's major program of study.

- Maximum 20 credit hours for 16-week fall and spring semesters
- Maximum 10 credit hours for 8-week summer sessions

Students who wish to exceed the limits above must contact the college dean directly. If the dean approves, he/she will email the registrar with the additional course/s. The approval will be recorded in the student's permanent record. Oklahoma State Regents for Higher Education (OSRHE) does set the following maximum beyond which the college dean cannot approve an exception. ECU does not permit students under any circumstances to exceed the OSRHE maximums.

- Maximum of 24 credit hours during a 16-Week semester (fall/spring).
- Maximum of 12 credit hours during an 8-Week term (summer session).

The limits listed above do not apply to academic credit awarded on the basis of advanced standing exams. Based on an individual student's academic program and/or performance, ECU retains the right to further limit academic load below the limits listed in this policy.

OSRHE Chapter 3.13 Undergraduate Course Load & Overload

Graduate Students: Below are the maximum credit hours a student may register for without obtaining special permission from the Dean of Graduate Studies. Students who wish to exceed these limits must contact the dean directly. OSRHE does not set its own maximums for graduate level enrollment.

- Maximum 12 credit hours for 16-week fall and spring semesters
- Maximum 9 credit hours for 8-week summer sessions

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Course Load Non-Degree Seeking (Undergraduate & Graduate)

Students attending East Central University (ECU) post high school graduation, and who do not intend to earn a degree, are limited to the following number of overall hours prior to applying for full admission to the university.

- Undergraduate Enrollment: 9hrs
  - Students will be assigned program code SPEC.STU.UNDG.
- Graduate Enrollment: 12hrs
  - Students will be assigned program code SPEC.STU.GRAD.
  - Students wishing to continue attending graduate courses after earning a master's degree, without pursuing a second graduate degree, should consult the Office of Graduate Studies.

Immediate Return After Bachelor's Degree: Students may continue attending undergraduate courses immediately after earning a bachelor's degree, without the intent to pursue a second bachelor's, and not be readmitted via the Office of Admissions. Prior to the first day of classes for the semester (fall/spring) immediately following the award of a bachelor's degree, the student must complete an Etrieve form titled *Immediate Readmit after Graduation for Continued UG Enrollment.*

- Enrollment will be limited to a maximum of two 16-week semesters.
  - Students will be assigned program code SPEC.STU.POSTBAC. When assigned, the program will be set to end two semesters from the start date.

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Course Load Recommendations (Undergraduate & Graduate)

Undergraduate Students: Students aspiring to graduate with a bachelor's degree in four years should plan to complete 15-16 credit hours during each 16-week semester. A student who enrolls in less should plan to complete summer courses in order to graduate in four years.

Graduate Students: Students aspiring to graduate with a master's degree in two years should consult with their program advisor. Depending upon the required curriculum the recommended credit load may vary. For maximum course load credit hours, please see the relevant policy above.

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Course Substitution Limits (Undergraduate & Graduate)

What is a course substitution?A substitution occurs when the University allows a course, other than what is required by the academic catalog, to count toward a graduation requirement. Course substitutions are the exception, not the rule, allowing students to continue progressing in a timely manner without compromising academic standards. Course substitutions should only be utilized under the circumstances outlined in this policy, or when the college dean determines that extenuating circumstances warrant alternative consideration.

How many substitutions can a student have? ECU does not place a formal limit on the number of substitutions involving transfer courses. However, it is expected that transfer courses will only be used as substitutions for ECU courses in accordance with this policy. The substitution of one ECU course for another ECU course is limited to nine credit hours for undergraduate and graduate students.

When may a substitution be appropriate? At the discretion of the college dean, course substitutions may be appropriate under the following circumstances.

Required Course No Longer Offered: When the course required by the academic catalog is no longer offered and has been deleted via a course deletion proposal submitted to the curricular committee.

Program/Curricular Changes: When an academic department updates their curriculum, they are expected to make every effort to ensure that continuing students have access to the courses required according to the catalog year assigned to them. Academic Departments are expected to proactively plan for the fulfillment of this responsibility before submitting curricular changes. Substitutions are not intended as a tool to avoid this responsibility. However, at the discretion of the college dean, if it is determined that an extenuating circumstance brought on by a curricular change has placed a student at a disadvantage, the dean has the authority to resolve the matter by granting a course substitution.

Transfer Courses: Not all transfer courses are assigned equivalency status with an ECU course upon admission to the University. Transfer credits without an ECU course equivalency may later be noticed by academic advisors and used as course substitutions. This is permitted. Importantly, it is expected that the substituting course be a suitable replacement for the ECU course, with appropriate consideration given to learning outcomes and pedagogical approach. To facilitate the accuracy of advising, and to prevent future students from requiring the same course substitution, effective Spring 2026 any time a general (or department specific general) transfer course is approved as a substitution, that course will be added to the transfer matrix as equivalent to the ECU course it is substituting.

Short of Hours but Course Requirements Satisfied: This can be thought of as a substitution involving credit hours only. Sometimes, likely due to transfer course hours being less than ECU course hours, a student will have met the course requirements for their major but be short on credit hours. In these cases, if the student has completed additional courses with a subject prefix matching the major, and which are not already being counted toward major requirements, then the academic department overseeing the major program may choose to allow these courses to fill the credit hour gap.

Documented Disability: A registered disability prevents the student from fulfilling a specific course requirement and a suitable alternative course exists.

Study Abroad Programs: Courses taken abroad may substitute for required coursework if they meet appropriate academic standards and learning outcomes.

Nationally or Non-Accredited Transfer Courses Previously Accepted: ECU offers students with nationally or non-accredited transfer courses the opportunity to submit those courses to faculty experts for evaluation. If accepted for transfer the same courses are often also followed up by course substitutions in order to count toward graduation requirements.

When is a course substitution usually not appropriate? A course substitution would likely be inappropriate under the following circumstances.

Student Preference: The student prefers another course due to interest, instructor, perceived difficulty, or scheduling convenience.

GPA Considerations: The student seeks a substitution to avoid a course perceived as difficult and likely to lower GPA.

Lack of Planning: The student failed to take the course in a timely manner due to poor academic planning or neglecting to follow program guidelines.

Non-Equivalent Course Content: The proposed substitution does not adequately meet the academic level or learning outcomes of the required course.

Financial Aid or Tuition Reasons: Financial constraints alone do not warrant a course substitution.

Major/Minor Exploration: The student took a course while previously pursuing another major program. The student has since changed majors, and the course is no longer required for graduation. The student seeks a substitution as a means of having the course count toward his/her new major program.

Understanding Transfer Transcription & Course Substitutions

Transfer Credit Not on ECU Transcript = No Substitution: A course substitution cannot be applied, and therefore should not be requested, before relevant transfer credit has been applied to the ECU transcript. Academic advisors can know if the transfer credit has been applied by viewing the transfer summary for their advisee in Colleague Self-Service.

Official Transfer Transcripts Are Required: Prior credit will not be transcribed at ECU without an official transfer transcript having been received by the Records Office. The Office of Admissions will only pass forward to the Records Office the official transcript IF the student has either registered for classes or signed an Intent to Enroll Form.

Transfer Evaluation & Transcription Take Time: The Records Office evaluates and transcribes approximately 800 to 1000 transfer transcripts a semester. To maintain fairness for all transfer students, as a matter of standing practice the Records Office will not grant requests to expedite specific evaluations. Students and their advisors should anticipate all transfer work to be evaluated and transcribed prior to the start of the second registration cycle after matriculation. For example, a new Fall 2025 student should expect to have his/her transfer work evaluated and transcribed sometime prior to April 2026.

The Benefit of Transfer Courses in Matrices: A transfer matrix is a database of course equivalencies (transfer course = ECU course) that are guaranteed for any incoming student. This does not mean the credit immediately appears on the ECU transcript upon entry into the transfer matrix. The Records Office still must manually apply the credit, though with the benefit of not having to send the course to an academic department for review.
Download Guide: Counting Substitutions in Colleague Progress Tab

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Curriculum Changes (Undergraduate & Graduate)

New curriculum changes approved by East Central University's (ECU) Curricular Committee will not be implemented until the following catalog year. Those changes requiring approval from the Oklahoma State Regents for Higher Education (OSRHE) may not be applied to the course schedule until such approval is obtained and documented in the Records Office.

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Degree Awarding & Diploma Timeline (Undergraduate & Graduate)

How soon will my degree be awarded?
East Central University (ECU) is committed to working through the process of awarding degrees as quickly as possible. However, it is a process and it does take time. Degrees are not awarded the day of commencement. ECU's academic faculty are not required to submit final semester/term grades until the Tuesday after commencement. From that day, the State of Oklahoma allows ECU ten (10) business days to awarded degrees and post a degree statement to the transcript. ECU does not prioritize students during the awarding process under any circumstances - no exceptions. Graduating students are expected to plan ahead with the expectation that their transcript will not reflect an awarded degree until 10 business days after final grades are due. At the end of fall semester the 10 business days will extend beyond the Christmas break.

When will I receive my diploma?
Diplomas will not be printed, mailed or made available for pick-up until after all degrees are awarded and transcripts updated with degree statements. The process of creating and proofing diplomas does take time. ECU is committed to ensuring diplomas are accurate. Graduating students who opt to pick their diploma up in person from the Records Office, will receive an email notification when the diploma is ready. Graduates who opt to have their diploma mailed should understand that ECU is not responsible for the shipping time incurred by the U.S. Postal Service. Overnight and other expedited shipping methods are not available.

Diploma Format
All diplomas will be submitted in a printed format. Electronic diplomas are not available. Exceptions to this policy will not be made.

Diploma Replacement
Students who are currently attending or who have attended within the past calendar year may request a diploma replacement in Etrieve. Students who stopped attending more than a year ago may download a PDF form from the Records Office webpage. ECU does charge a $25 fee per replacement copy. Diploma replacements will not be issued to students who owe ECU an outstanding account balance.

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Degree & Program Declarations (Undergraduate & Graduate)

Students will select their desired degree (e.g., Bachelor of Science) and program (e.g., Mathematics) upon being admitted to East Central University. After being admitted, students may change their degree and/or program by completing the appropriate electronic form in Etrieve. Any student considering a change in degree or program is encouraged to consult with an academic advisor before submitting the Etrieve form. A few very specific exceptions excluded, only those academic programs leading to an awarded credential will be formally assigned to a student as a major course of study.

Effective Summer 2026, all ECU students are limited to a maximum of six declared programs. The *only* type of programs not included within the six maximum are undergraduate minors. If a student submits a request that would exceed the maximum limit, the Records Office will deny that request. The student will then be required to discontinue an existing program before adding new curriculum. Exceptions will not be made to exceed the limit just before graduation.

Effective Fall 2023, undergraduate pre-professional designations (e.g., pre-medical) will not be assigned to a student's formal curricular record. Students should consult with their major program advisor concerning opportunities to advance their desired career path.

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English Proficiency Requirement for Faculty (Undergraduate & Graduate)

Instructors at East Central University are required to meet minimum English Proficiency standards. The Oklahoma State Legislature requires all public schools to establish and abide by a set of standards. East Central University's policy is printed in the Faculty Handbook. If a student feels a complaint should be filed in reference to an instructor's English Proficiency, he or she may do so in the Office of the President of the University.

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Enrollment Status (Undergraduate & Graduate)

A student's status is based on the number of enrolled credit hours (hrs) for a given term/semester.

Undergraduate Students

- 16-Week Fall & Spring Semesters
  - Full-Time is 12hrs or more
  - Three-Quarters Time is 9-11hrs
  - Half-Time is 6-8hrs
  - Less than Half-Time is 1hr – 5hr
- 8-Week Summer Term
  - Full-Time is 6hrs or more
  - Half-Time is 3-5hrs
  - Less than Half-Time is 1-2

Note: Three-Quarter time is not calculated during summer terms.

Graduate Students: Graduate enrollment does not include three-quarter time.

- 16-Week Fall & Spring Semesters
  - Full-Time is 9hrs or more
  - Half-Time is 5-8hrs
  - Less than Half-Time is 1-4hrs
- 8-Week Summer Term
  - Full-Time is 5hrs or more
  - Half-Time is 3-4hrs
  - Less than Half-Time is 1-2hrs

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Enrollment & Degree Verification Requests (Undergraduate & Graduate)

**An exception to this policy involves third-party forms intended for scholarship recipients. For the exception to apply, the form must clearly state that it relates to a scholarship. Scholarship forms requiring enrollment verification or other information mentioned below should be submitted to the ECU Records Office.*

Verification of Past Enrollment: All currently and recently enrolled students may request an enrollment verification via the Etrieve system, which remains available to students for up to one calendar year after they stop attending. During the the one-year time frame, ECU will not accept enrollment verification requests submitted by alternative means.

For students who have gone unenrolled for more than one calendar year, the correct method of verifying past enrollment is to request an official transcript. ECU will only accommodate alternative requests if submitted along with documentation from the receiving institution/organization/employer stating that official transcripts will not be accepted. In those cases, the information provided by ECU will be limited to first/last term attended, most recent program, and graduation status (graduated or not graduated), and an estimation of anticipated graduation date.

Statement of Anticipated Graduation Date: Students seeking a statement of anticipated graduation should complete the enrollment verification form in Etrieve. The form allows the student to indicate that he/she would like to include an anticipated graduation date. The antipicated graduation date will be an estimation based on credits earned to date - it will not reflect a formal evaluation of progress to degree completion.

Verification of Awarded Degree: Students wishing to verify an awarded ECU degree should request an official transcript, or direct the intended receiving institution/organization/employer to the National Student Clearinghouse for degree verification services. ECU will only verify by alternative methods if the student provides documentation stating that the above options are insufficient to fulfill the request.

Letters of Non-Attendance: Students requiring this letter should download the appropriate form from the Records Office webpage, and submitted the completed form along with clear and legible copy of a valid government issued id to registrar@ecok.edu. Alternatively, the form and id may be faxed to the number posted to the Records Office webpage.

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FERPA Act of 1974

(Undergraduate & Graduate)

The Family Education Rights & Privacy Active of 1974 (FERPA) is a federal law that governs the access to educational information and records by public entities. Students are encouraged to carefully review relevant pages on the East Central University (ECU) website outlining key elements of FERPA legislation and campus related policies.

Consent to Release: Students have the right to inform ECU of their consent for education related records to be released to specific individuals. Consent cannot be given for an organization, but only for a specific individual. The release form can be submitted via Etrieve and is titled FERPA Student Information Release Authorization. Below are important facts a student should be aware of before submitting a consent to release.

- The release may be revoked by the student at any time.
- The release will require the student to assign a alphanumeric PIN, which ECU will ask for before releasing any information to the intended party. It is the student's responsibility to make sure that the relevant person has the PIN when requesting information.
- When consenting to release information, the student may choose any or all of the following.
    - Academic Information
        - Each authorization is only valid for one year from the date submitted.
    - Financial Aid or Billing Information
        - Each authorization is valid until revoked by the student.

Privacy Flag: FERPA does permit release without consent under certain circumstances. The most common is what FERPA refers to as requests for directory information (see ECU website for a list of what is considered directory information). Directory Information for enrolled students may be requested by a variety of public entities for a variety of reasons. Students who request a privacy flag will not have their information included within directory information requests. Importantly, even with a privacy flag in place, FERPA permits ECU to release information under very limited circumstances (e.g., safety emergencies). Students who would like to request a privacy flag should stop by the Records Office, or email the office at registrar@ecok.edu including their full name (first/last), date of birth, and ECU student ID number. Email communication must take place via an ecok.edu email address.

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Grading Policy (Undergraduate & Graduate)

Consistent with RUSO policy, ECU faculty assign student grades solely on an academic basis, which includes, but is not limited to, the student's attendance, demonstrated knowledge or understanding of the content of the course of study, and ability to maintain standards of academic performance established for the course. Student grades are prohibited from being evaluated based on the student's personal opinions, beliefs, or conduct in matters unrelated to academic performance.

Grading System: The following grades and respective definitions will be used for East Central University (ECU) transcript notations.

Grade	Points Per Semester House	Description
A	4pts	Excellent
B	3pts	Good
C	2pts	Average
D	1pt	Lowest Passing
F	0pts	Failing
P	0pts	Passing
NP	0pts	No Pass
I	0pts	Incomplete
W	No Grade	Withdrew
AW	No Grade	Administrative Withdraw
AU	No Grade	Audit
NR	No Grade	No Grade Submitted
X	No Grade	Dissertation in Progress

Incomplete (I) Grade: An incomplete grade may be used at the instructor's discretion to indicate that additional work is necessary to complete a course. An incomplete grade is not a substitute for a failing grade. An I-grade is GPA Neutral. I-grades count in attempted hours but not earned hours.

- Requirements (I) Grade: Students who are failing a course at the end of the term/semester are not eligible for an I-grade. To be eligible for an I-grade the student must have already completed 70% of the required coursework at a satisfactory level (i.e., C-grade or above).
- Timeline (I) Grade: The maximum timeframe to complete remaining assignments for an I-grade is one calendar year. However, the course instructor may set an earlier deadline. If all remaining coursework is not completed by the deadline, the faculty member will assign an appropriate grade based on completed work. After one calendar year, if a grade change has not been submitted, 2024 Oklahoma State Regents for Higher Education (OSRHE) policy requires that the I-grade remain permanently on the transcript. All grade changes must be submitted by the final grade entry deadline for the respective term/semester occurring one year after the I-grade was assigned.

Audit (AU) Grade: Audit enrollment status is intended for students who are not interested in receiving a grade, but are only attending the course for content knowledge. An AU-grade is GPA neutral. AU-grades do not count in attempted or earned hours.

Graded vs. Audit Enrollment Changes: The deadline to change from audit status to grade status is the last day to add courses for the term/semester. Students requesting this change must first meet appropriate institutional admission standards. The deadline to change from credit to audit is the same as the last day to withdraw from a course with a W-grade.

Withdrawal (W) Grade: Withdrawals begin after the course drop period. Students should view the academic calendar for specific dates. Student initiated withdrawals will result in a W-grade on the transcript. W-grades will not show on the ECU transcript until the end of the term/semester. W-grades are GPA neutral. W-grades will count in attempted but not earned hours. The deadline to receive a W-grade for each term/semester is posted to the academic calendar. After the deadline all enrolled students will receive a final grade appropriate to their enrollment. Students who wish to withdraw from courses are required to complete the drop/withdrawal form in Etrieve.

Administrative Withdrawal (AW) Grade: Administrative withdrawals occur when either the course instructor or ECU administration determine the student must be removed from a course. Refunds will not be granted for tuition and fees. Students may not request an administrative withdrawal. The AW-grade is GPA neutral. AW-grades will count in attempted but not earned hours.

Pass (P) or No-Pass (NP): This grading option is available only in courses for which academic faculty have deemed it appropriate. Both the P-grade and NP-grade are GPA neutral, and will be included in the calculation of attempted and earned hours.

- P-Grade: Signifies that the student did meet the minimum course requirements and that credit was earned.
- NP-Grade: Signifies that the student failed to meet the minimum course requirements and that credit was not earned.

Not Reported (NR): ECU reserves the right to assign a NR-grade if circumstances make it impossible for the course instructor to submit a final grade. As instructional faculty are required to submit their grades promptly at the end of each term/semester, NR-grades are rare occurrences. The NR-grade is GPA Neutral and will count in attempted but not earned hours.

Dissertation in Progress (X): The X-grade signifies that an enrolled course section devoted to dissertation work remains in progress after the original term/semester has ended. The X-grade is GPA neutral and will count in attempted but not earned hours.

Grade Point Averages: ECU transcripts will include the following grade point averages. Beginning Fall 2026, these GPA definitions can also be found on the last page of an ECU official transcript.

- **Term GPA:** Reflects the outcome of a specific academic term. The calculation is not influenced by other academic terms. If courses completed during the academic term are later deemed forgiven, the "Term" calculation will not change. The calculation will always reflect the original outcome for the academic term under which it is listed. The calculation will not include GPA neutral grades.
- **Cumulative Graduate Retention GPA:**Beginning Fall 2026, the calculation is identified on the transcript as "CUM (GRD RTN)." This is the primary GPA calculation for degree completion. Prior to Fall 2026, this GPA was commonly referred to as simply "graduate retention." The GPA calculation captures the accumulated outcome of previous CUM (GRD RTN) calculations up to and including the relevant academic term. The CUM (GRD RTN) GPA listed on the transcript under a specific term is subject to change if a course under that term is later deemed forgiven. The GPA calculation will include grades from transfer courses and ECU courses but not forgiven courses or GPA neutral courses.
- **Overall Cumulative GPA:** Beginning Fall 2026, the calculation is identified on the transcript as "OVERALL CUM." Prior to Fall 2026, this GPA was commonly referred to as simply "cumulative" or "overall." The GPA calculation captures the accumulated outcome of previous OVERALL CUM calculations up to and including the relevant academic term. The GPA calculation includes transfer courses, ECU courses, and forgiven courses. The GPA calculation will not include GPA neutral grades.
- **Institutional (ECU) Graduate Retention:** Beginning Fall 2026, the calculation is identified on the transcript as "INST (GRD RTN)." Prior to Fall 2026, this GPA was commonly referred to as "ECU retention." The GPA calculation captures the accumulated outcome of previous INST (GRD RTN) calculations up to and including the relevant academic term. The INST (GRD RTN) GPA listed on the transcript under a specific term is subject to change if a course under that term is later deemed forgiven. The GPA calculation will include only grades from courses completed at ECU. The GPA calculation will not include transfer courses, forgiven courses, or GPA neutral grades.

Calculating GPA: Below are the steps for calculating GPA. Calculations are rounded to the nearest one-hundredth. For example, 1.594 would be rounded to 1.59. 1.595 would be rounded to 1.60.

- Step 1: Individually, for each course to be included in the calculation, multiply the grade points by the credit hours earned.
- Step 2: Add together the value for each course obtained in Step 1.
- Step 3: The total value obtained in Step 2 is to be divided by the overall number of attempted hours across the courses included within the calculation.

Example:

Crse. = Course
CrHrs. = Credit Hours for Course (Attempted Hours)
Grd. = Final Grade Assigned
Grd. Pts. = Point Value for Final Grade
ErnHrs. = Hours Earned for Course

	CrHrs.	Grd.	Grd. Pts.	ErnHrs	**Step 1** Calculation
Crse. 1	3	A	4	3	12
Crse. 2	4	B	3	4	12
Crse. 3	1	C	2	1	2
Crse. 4	3	F	0	0	0
			Step 2 Calculation = 26		
Total Attempted Hours is 11					
Step 3 Calculation: (26 / 11) = 2.36 Grade Point Average					

GPA Neutral Grades: Below are grades assigned by ECU that are not included within GPA calculations.

I = Incomplete
AU = Audit
W = Withdrawal
AW = Administrative Withdrawal
P = Pass
NP = No-Pass
NR = Not Reported
X = Dissertation in Progress

Academic Forgiveness: These policies are intended to help students recover from past academic problems so as to not indefinitely jeopardize academic standing. ECU offers three forms of academic forgiveness (repeated courses, academic reprieve and academic renewal) – see below for details.

Repeated Courses (Academic Forgiveness): Effective Fall 2026, ECU's course repeat policy underwent significant change. The changes were required for compliance with state policy and to improve institutional academic operations as they relate to repetative course attempts at the undergraduate level.

(UG) Course Not Intended to Be Taken Multiple Times: This applies to most of the courses a student will complete at ECU. For each course it is intended that students will only need to complete it one time. However, students who experience difficulty in the course may choose to repeat it. ECU does not limit the number of attempts. Only the attempt with the best grade will count towards hours, points and GPA calculations.

(UG) Courses That Are Intended to Be Taken Multiple Times: Some academic programs include courses that are designed to be completed multiple times – not to replace a prior grade, but for each grade to count and influence GPA. When a limit exists on the number of times a student is expected to complete the course, any further attempts will count toward points and divisor values (i.e., GPA Calculations), but no additional earned hours will be applied. In these circumstances, at no point is grade forgiveness applied for prior attempts.

(GR) Graduate Level Course Repeats: The original grade remains visible on the transcript, but all prior attempts are considered forgiven. Only the last grade counts. The earned hours and all GPA points are removed for prior attempts. There are no limits set at the institution level for how many times a graduate course can be repeated. However, academic departments may set their own limits for individual courses.

Academic Reprieve (Academic Forgiveness): Academic Reprieve allows a student who has experienced extraordinary circumstances to have no more than two semesters of course work removed from two of the four GPA calculations.

- Cumulative Graduate Retention = Reprieve Will Remove From GPA
- Institutional (ECU) Graduate Retention = Reprieve Will Remove From GPA
- Term GPA = Reprieve Will NOT Remove from GPA
- Overall Cumulative = Reprieve Will NOT Remove from GPA

Academic reprieve may be requested for either one semester or two consecutive semesters only. If a student requests reprieve for two semesters, ECU reserves the right to only grant one semester. If the reprieve is awarded all courses and original grades will remain on the ECU transcript.

Course work with a passing grade during the reprieve semester may still be used to demonstrate subject matter competency. However, the course work may not be used to fulfill credit hour requirements toward graduation.

Effective Fall 2026, all requests for academic reprieve should be made prior to submitting a graduation application. If received after submission of a graduation application, the reprieve request will be denied until such time as the student cancels the existing application and submits a new one. If the graduation application deadline has passed, or insufficient time exist to submit a new application, then the request for reprieve will not be accommodated. The only pathway to obtain the reprieve will be to delay graduation to another term/semester.

Reprieve Eligibility Requirement: Before requesting academic reprieve the student must have earned a GPA of 2.0 or higher with no grade lower than a "C" in all regularly graded course work (a minimum of 12 credit hours) excluding activity or performance courses.

Academic Renewal (Academic Forgiveness): Academic renewal allows a student who has experienced extraordinary circumstances in the past, and who has been out of higher education for a number of years, to recover without penalty and have a fresh start. If granted, all courses and grades prior to the renewal date will remain on the ECU transcript, but will be excluded from GPA calculations. Neither the course content nor credit hours may be used to fulfill graduation requirements.

Effective Fall 2026, all requests for academic renewal should be made prior to submitting a graduation application. If received after submission of a graduation application, the renewal request will be denied until such time as the student cancels the existing application and submits a new one. If the graduation application deadline has passed, or insufficient time exist to submit a new application, then the request for renewal will not be accommodated. The only pathway to obtain the renewal will be to delay graduation to another term/semester.

Renewal Eligibility Requirements: At least three years must have elapsed between the last semester being renewed and the renewal request. At the discretion of the Chief Academic Officer, a shorter period of time may be permitted. Prior to requesting the renewal, the student must have earned a GPA of 2.0 or higher with no grade lower than a "C" in all regularly graded course work (a minimum of 12 credit hours) excluding activity or performance courses.

Mid-Semester Grade Policy: Mid-Semester grades are required for all undergraduate courses scheduled during 16-week semesters. Instructional faculty are required to submit their grades either via Colleague Self-Service or Blackboard. The deadline to submit mid-semester grades will be set each semester by the registrar.

Final Grade Submission Policy: Instructional faculty are required to submit final grades for all courses at the end of each term/semester. Below are policies applicable to the entry of final grades.

- **Last Day of Attendance:** Faculty are required to enter Last Day of Attendance (LDA) for all grades of F, NP, I, AW and W. LDA is not to be entered for other grades.
- **Students That Never Attended:** Faculty are required to report these students at the beginning of each term/semester. Importantly, only students reported for all their enrolled courses will be dropped. At the end of term/semester, if a student reported as non-attending remains on the roster, then a F-grade must be entered. Because the never attended flag is already present, an LDA is not required.
- **Student Reported as Never Attended but Began Later in Term/Semester:** The appropriate final grade will be whatever the student earned. Requirements for reporting LDA are the same as stated above. In this case the course instructor will be required to uncheck the never attended flag before entering a final grade.

Note: Further instructions concerning the use of Colleague Self-Service and Blackboard are provided to faculty prior to final grade submission. The registrar provides these instructions via email.

Grade Appeal: The University believes students should be given the opportunity to meet with instructors and department chairman to resolve issues concerning assigned grades. Student grade appeals are not intended to interfere with the instructor's right to determine the evaluation process and to perform that evaluation. Evaluation of student academic performance is the professional responsibility of instructors. However, in rare situations, students may believe that the final course grade awarded was inconsistent with stated evaluation expectations. The grade change process must be initiated no later than the first day of September for spring and summer courses, and no later than the first day of February for fall courses. A student appealing a grade must provide written justification that includes clear and convincing evidence that one or more of the following conditions occurred:

- An error was made in calculating the grade;
- Standards used to determine the grade were not consistent with university policies; or
- The Instructor departed substantially from his or her own written standards without notifying students of the change.

A final course grade appeal should be initiated only after the student has discussed the disputed grade with the instructor of the course. Students may contact instructors any time after grades have been submitted to attempt to resolve the issue. Because instructors may not be available outside semester (fall/spring) class days, the formal appeal process will begin after the start of the following semester (fall/spring). If the instructor is available and the student and instructor reach an agreement that includes a grade change, the instructor will complete the grade change form and submit it to the Records Office.

If an agreement cannot be reached, the student may proceed with the contested grade appeal procedure. The suggested timeline can be found at the end of this policy. If the contested grade prevents enrollment, the student may request the appeal process be expedited by contacting the department chair. If the chair and instructor are available and in agreement, the department chair may make an exception to the listed deadlines and agree to begin the appeal process before the start of the following semester. Although the process may be completed in fewer days, the sequence and time-frame for each step will be adhered to if needed.

Additional Notes Regarding the Appeal Process

- All communications will be via University email.

- If the student does not respond to their University email from an ECU administrator by the deadline or attend a scheduled meeting, the appeal process is concluded and the grade remains unchanged.
- The student must submit the grade appeal form (obtain online on Registrar's forms page).
- If the instructor is no longer employed by the University, the student should contact the department chair to resolve the issue.
- If the department chair is also the course instructor, the dean of the College/School assumes the responsibilities of the department chair.
- The student may bring a support person to any meeting(s)/hearing(s) regarding the grade appeal, but the support person may not participate.
- As this is an institutional appeal, no legal counsel may be present.
- For undergraduate grade appeals, the appropriate office is Academic Affairs. For graduate appeals, the appropriate office is the Graduate School.
- For undergraduate grade appeals the appropriate official who reviews the appeal information is the Provost. For graduate grade appeals the appropriate official who reviews the appeal information is the Graduate Dean.

Appeal Procedure: The student must first contact and attempt to resolve the matter with the instructor. If an error was made in calculating the grade, for example, this may be resolved without the need for a formal appeal. The student may contact the instructor in person or via phone, but must follow-up via University email no later than the first day of September for spring and summer courses, and no later than the first day of February for fall courses. The student must give the instructor 10 days to respond. If the student cannot resolve the disputed grade with the instructor, the student must submit the following to the department chair:

- Contested Grade Appeal Form (obtain online on Registrar's forms page).
- A detailed, written justification for the grade appeal that identifies which of the three conditions listed above occurred, and
- a copy of the email to the instructor of the course.

The department chair must determine if the student has provided evidence that one or more of the three conditions warranting an appeal may have occurred.

- If necessary, the chair may send the appeal back to the student stating that such evidence is not provided, and thus, cannot proceed as is. It is incumbent upon the student to provide evidence that one or more of the three conditions has occurred in order for the appeal to proceed. NOTE: If the second submission does not include sufficient evidence, the appeals process concludes and the grade remains unchanged.
- Upon receipt of the form and acceptable written justification, the department chair forwards a copy to the instructor and schedules a meeting with the student and the instructor. The instructor may file a written rebuttal with the department chair prior to the formal meeting with the student, department chair and instructor.

The department chair's role in this meeting is to actively pursue a resolution.

- If the issue is resolved, the student, instructor and department chair sign off on the appeal form, and the chair submits the appeal form to the appropriate office. If the resolution includes a grade change, the instructor completes the uncontested grade change form and submits it to the Records Office. The appeals process is concluded.
- If no resolution can be reached, the department chair writes a letter that summarizes the details of the meeting, clearly states their position, and sends the letter, the grade appeal form, the student's written justification to the college dean.

The dean will review all documents relating to the appeal and schedule a meeting with the student, the instructor, and the department chair.

- If the issue is resolved, the student, instructor, department chair, and dean sign off on the appeal form, and the dean submits the form to the appropriate office. If the resolution includes a grade change, the instructor completes the uncontested grade change form and submits it to the Records Office. The appeals process is
- If the appeal cannot be resolved, the dean will forward the appeal and all supporting documents, including a summary of the meeting as well as their position on the appeal to the administrator of the Grade Appeal Committee if it is an undergraduate issue and to the graduate dean if it is a graduate issue.

For Undergraduate Courses

The administrator on the Grade Appeal Committee will be responsible for distributing the grade appeal materials to the committee members and will call for a volunteer to chair the committee.

For Graduate Courses

The graduate dean will establish a Grade Appeal Subcommittee consisting of five (5) members of the standing Graduate Committee, select a Grade Appeal Subcommittee Chair, and distribute the grade appeal materials to the committee members. The Grade Appeal Committee chair will schedule the grade appeal hearing(s), conduct the hearing(s), and will submit the commit tee's decision to the appropriate office within thirty (30) calendar days from the date of receipt of the appeal documents. For the student to prevail, the student's evidence weighed against the instructor's evidence must demonstrate that the instructor failed to meet one or more of the three conditions above in a clear and convincing manner. Upon receipt of the committee's decision, the appropriate official will notify the student, instructor, department chair and dean of the committee's decision within five (5) class days from the receipt of the appeal decision from the committee.

As a final level of appeal, the student or the instructor may submit a written request for a procedural review to the appropriate office. The official's review will relate to procedural matters only. The request must be submitted within five (5) class days of notification of the decision. The official has ten (10) days to review and respond to the student and/or instructor. The decision of the official is final.

Responsibilities of Involved Parties: For each person/position involved in the appeal process, the following responsibilities apply.

Student Responsibilities

1. Contact the instructor via University email. The student may also contact the instructor by phone or in person, but for the purposes of the grade appeal process, the email date will be used to deter mine if the student met the stated deadline.
2. If there is no resolution, send the Grade Appeal form, the written justification, a copy of the contact email, and any other supporting documentation to the instructor's department chair.
3. Submit additional evidence for the appeal if requested by the chair or Grade Appeal Committee.
4. Respond to all University emails from ECU administrators.
5. Attend all requested meetings (with instructor/chair; instructor/chair/dean; Grade Appeal Committee) deemed necessary.
6. Meet all deadlines listed in the policy.

Course Instructor Responsibilities

1. Respond to the student when contacted.
2. If any interaction with the student results in a grade change, submit the Uncontested Grade Change form to the Office of Ad missions and Records.
3. Respond to the grade appeal with a rebuttal if desired.
4. Respond to request for information from the chair, dean, and/or Grade Appeal Committee.
5. Attend all requested meetings (with student/chair; student/chair/dean; Grade Appeal Committee) deemed necessary.

Department Chair Responsibilities

1. Determine if the appeal includes sufficient evidence that one or more of the three conditions may have occurred.
    a. If not, return to the student for additional information. If second submission is not acceptable, notify the student that the appeals process has concluded.
    b. If so, forward the documents to the instructor and schedule a meeting with the student and the instructor.
1. Meet with the student and instructor to actively pursue a resolution.
    a. If resolved, have all parties sign the grade appeal form and submit to the appropriate office.
    b. If no resolution can be reached, write a letter which summarizes the meeting and forward all documents to the dean of the contested course.
1. Meet with the student, instructor, and dean deemed necessary.

Dean Responsibilities

1. Schedule a meeting with the student, the instructor and the department chair.
2. Actively seek a resolution
3. If resolved, have all parties sign the grade appeal form and submit to the appropriate office.
4. If no resolution can be reached, write a letter which summarizes the outcome of the meeting and forward all documents to the graduate dean.

Grade Appeal Administrator Responsibilities

1. Distribute the grade appeal materials to the committee members.
2. Call for a volunteer to chair the committee.
3. Meet all deadlines listed in the policy

Graduate Dean Responsibilities

1. Select a Grade Appeal Subcommittee and assign a chair
2. Distribute all appeal documents to the subcommittee chair.
3. Notify the student of the Subcommittee's decision. A copy of the letter should be sent to the instructor, chair, and dean.
4. If the student or instructor appeals on procedural grounds, review and notify the student or instructor of the graduate dean's decision.
5. Meet all deadlines listed in the policy.

Grade Appeal Committee Chair Responsibilities

1. Schedule a Grade Appeal Committee meeting after all members have had an opportunity to review the materials. Identify questions that need to be addressed. Request any additional material (s) that may be needed.
2. Set the hearing date(s), reserve a room, contact and invite the student, the instructor, and any relevant witnesses.
3. The course instructor is not required to attend the hearing(s), and they cannot be present while the student is presenting their case to the Grade Appeal Committee. However, the instructor is welcome to present their position regarding the matter (if they choose)
    - If no resolution can be reached, the department chair writes a letter that summarizes the details of the meeting, clearly states their position, and sends the letter, the Grade Appeal form, the student's written justification for appeal, after the student has presented their case to the Grade Appeal Committee.
4. Record all testimony (but not the deliberations).
5. Write a summary letter with committee recommendation to the appropriate official. Include an attachment that lists all evidence that was examined as well as the official Grade Appeal. For the student to prevail, the student's evidence weighed against the instructor's evidence must demonstrate that the instructor failed to meet one or more of the three conditions above in a clear and convincing manner.
6. Meet all deadlines listed in the policy.

Grade Appeal Committee Member Responsibility

1. Review all documentation of the grade appeal.
2. Attend all meetings and hearings.
3. After reviewing all of the evidence, deliberate and decide regarding the appeal. For the student to prevail, the student's evidence weighed against the instructor's evidence must demonstrate that the instructor failed to meet one or more of the three conditions above in a clear and convincing manner.
4. Meet all deadlines listed in the policy.

Provost Responsibilities

1. Notify the student of the committee's decision. A copy of the letter should be sent to the instructor, chair, and dean.
2. If the student or instructor appeals on procedural grounds, review and notify the student or instructor of the provost's decision.
3. Meet all deadlines listed in the policy.

Suggested Deadlines for Fall/Spring Semesters: To allow sufficient time for the grade appeal process, the following deadlines will be enforced.

September 1/February 1	Student contacts instructor about the grade in question.
September 15/February 15	If a resolution is not reached a Contested Grade Change form must be submitted by the student.
End of September/February	Student has met with both instructor and department chair.
Mid October/March	Dean reviews all materials and then meets with all parties.
Mid November/April	Appeals committee has all materials and sets hearing date.
Mid December/May	All materials have been sent to the appropriate official and notification will be sent to the student by the end of the month.

Grade Changes (Uncontested): An uncontested grade change occurs when both the student and course instructor agree the change is needed. In these cases, the course instructor should submit an uncontested grade change form in Etrieve.

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Graduation Application Process

(Undergraduate & Graduate)

Students planning to graduate must file an electronic degree application by the dates announced at the start of each term/semester. The announcement of dates will come in an email from the registrar. Failure to submit a graduation application by the deadline could result in a student's name being omitted from the commencement program, and/or a delay in graduation of one term/semester. Students qualifying for two degrees during the same semester must make two separate applications. Students receiving two majors but one degree need only apply once. Depending upon the time of year when the application is submitted, students should expect to wait 2-4 weeks for confirmation that their application has been accepted. The application for graduation may be found in Colleague Self-Service.

Undergraduate: Graduation applications will only be accepted after a student has earned 90 credit hours and has registered for their final semester of courses.

Graduate: The deadlines for application submission will be the same as for undergraduates. Failure to graduate for any reason necessitates reapplication.

Unsuccessful Graduation/Application Resubmission: Five business days after final grades are posted for a student's anticipated last semester/term at ECU, if unsatisfied graduation requirements remain, the student will be required to submit a new graduation application for the next degree awarding cycle. This includes cases involving transfer transcripts not yet received by ECU. Oklahoma State Regents for Higher Education requires ECU to awarded degrees no later than 10 business days after a semester/term ends. To be compliant with this policy, graduating students must submit all required graduation materials to the Records Office no later than five business days after final grades post to the ECU transcript.

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Graduating Honors (Undergraduate)

A bachelor's degree candidate may receive the following honors. To be eligible, the grade point average (GPA) values listed below must apply to the graduate retention GPA as well as the East Central University (ECU) GPA . All GPA values are rounded to the nearest one-hundredth.

- Academic Achievement (3.50 – 3.79)
- High Academic Achievement (3.80 – 3.99)
- Highest Academic Achievement (4.00)

Honors Program: Honors students who complete the Honors Program will receive appropriate recognition at commencement and an honors designation on their transcript as well as diploma. In addition, Honors Program graduates with exceptional GPAs will receive the following achievement status:

- University Honors with Academic Achievement (3.50 – 3.79)
- University Honors with High Academic Achievement (3.80 – 3.99)
- University Honors with Highest Academic Achievement (4.0)

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International Study Abroad (Undergraduate)

East Central University (ECU) allows students to incorporate an international learning experience into their bachelor's degree with the Study Abroad Program. Students interested in the program should contact the School of Business to begin the process. Working with the program coordinator, students will determine and plan for the following:

- Travel Destination
- International University Orientation
- Course Selection
- Confirmation of ECU's Application of Credits Earned Toward Degree
- Travel to International Destination
- Living Arrangements While Abroad
- Financial Aid and Plans for Expenses while Abroad.

It is important that students know before leaving the United States how their international credits will be applied toward one of ECU's bachelor's degrees. Students who plan to study abroad should proactively seek this information, and do so before purchasing travel tickets or confirming housing plans. Failure to be familiar with the following could result in a student's graduation being delayed.

Foreign vs. United States (U.S.) Credit Hours: Credit hour standards often differ significantly among nations. For example, four hours of credit from many European colleges will be worth two hours of credit within the U.S. Students have a responsibility to know how many U.S. credit hours their international courses will be worth before traveling abroad.

Pre-Travel Credit Evaluation & ECU Credit Registration: Before purchasing a plane ticket, and no later than one month prior to leaving the United States, students must submit the following information to the Registrar by completing the Etrieve form titled *Request for UNIV Registration for International Study Abroad*. The Registrar will verify the student's study abroad status with the School of Business.

- List of courses to be completed at the foreign institution including foreign credit hours assigned to each course. The list of courses must include any subject prefixes, course numbers, as well as the title of each course. The credit hour value for each course awarded by the foreign institution must also be included.
- Number of weeks within the academic term courses are to be completed

Note: All information above must be provided with supporting documentation. All supporting documentation, be it web links or PDF files, must clearly have originated from the foreign institution. Participating students could be asked to provide additional information at the discretion of the Registrar.

While participating in the study abroad program, students will be enrolled both at ECU and the foreign institution.

- **ECU Enrollment:** After receiving the items listed above, the ECU Registrar will enroll the student for a number of credit hours appropriate based on the U.S. credit hour equivalency and course level (1000, 2000, 3000 or 4000). Those credit hours registered through ECU prior to traveling abroad will be from a combination of UNIV courses.
- **Foreign Institution Enrollment:** Each student will be responsible for enrolling him/herself at the foreign institution.

Navigating the process will require each student to work with the Study Abroad Coordinator, as well as the intended foreign institution, in order to proactively determine the courses to be completed. Leaving the U.S. without first knowing the courses to be completed while abroad is NOT an option. Students will not be approved for the study abroad experience without ECU first becoming aware of the courses to be completed at the foreign institution. Students who complete this process at the last minute are likely to have their study abroad experience delayed significantly.

If, after arriving at the foreign institution, a student realizes that the courses originally planned must change, an email must be sent to registrar@ecok.edu immediately with an explanation of why, as well as all required supporting documentation for the new courses. Failure to follow these instructions is likely to result in the award of fewer U.S. credit hours than originally expected. Students who are awarded fewer than expected U.S. credits due to a failure to follow instructions will not be awarded a refund at ECU.

Official International Transcript Submission to ECU: Students traveling abroad must submit an official transcript from the international institution. The official transcript must be received by one of the following methods.

- (Preferred) Email: The official transcript may be emailed directly to the ECU Registrar (registrar@ecok.edu). The email must come directly from the foreign institution. The address from which the email is sent will be verified. ECU employees may not submit the transcript on behalf of the student.
- Postage Mail: The official transcript may be mailed directly to the ECU Registrar (see address below). If mailed, it should be expected this will take time. Depending upon the country of origin and the logistics of international shipping, it could be 4-8 weeks before the transcript is received and the ECU transcript updated.

Official International Transcript Required Contents: The standards for transcribing academic credit will differ among nations. ECU will do its best to work with any foreign transcript so long as we can verify it as official. However, the time required to evaluate a foreign transcript will depend on the information contained therein.

Required Information

- Course identifying Information (e.g., subject, number and title for each course).
- Grade awarded for each course
- Credit hours awarded for each course (i.e., credits awarded by the foreign institution under their credit system)

If the ECU Registrar did not have the opportunity to determine the U.S. credit hours conversion prior to the student studying abroad, the following additional information must be included within the transcript. It will be the student's responsibility to make proper arrangements for official documentation from the international institution.

- Credit value of each course according to ECTS or CATS standards; OR
- Weekly in-class contact hours for each course, plus any weekly out-of-class work hours.

Recommended Information

- Transcript Key
- English Translation

Grades on ECU Transcript for International Coursework: At the end of each academic term a student studies abroad, the UNIV credit hours will be graded as I-incomplete. Upon receipt of the official international transcript, the UNIV grades will be changed to NR-no grade reported. Those courses completed while abroad will then be added to the ECU transcript along with the grade earned and corresponding grade point values. If the international transcript is

not received by ECU within one calendar year, the I-grades will remain on the record permanently (see Oklahoma State Regents Policy for Higher Education policy concerning I-grades). After one year the foreign coursework may not be added to the ECU transcript.

ECU Course Equivalency: Courses earned abroad during an exchange program are not awarded equivalency toward ECU courses. Instead, students who study abroad should discuss with their academic advisor how the foreign credits may best serve their degree plan, and then the advisor will submit course substitution requests as appropriate. Students are encouraged to plan proactively with their academic advisor - **prior** to enrolling at the foreign school - for how credits earned will count toward degree completion at ECU. Importantly, the course substitutions will **not** be submitted by the advisor until **after** the student returns, and also **after** the foreign courses are transcribed to the ECU transcript.

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Language of Instruction: English (Undergraduate & Graduate)

The official language of instruction at East Central University is English.

Leave of Absence - Non-Military (Undergraduate & Graduate)

The Leave of Absence (LOA) policy provides students an option to delay their education due to extenuating life circumstances without having their catalog year (i.e., degree requirements) change after a calendar year of non-attendance. The LOA will allow the student's original catalog year to be retained for a period not to exceed 24 months. Students who do not intend to remain unenrolled for more than one calendar year need not request a LOA. To request an LOA, students should complete a request form, which can be found on the Records Office web page.

Eligibility for LOA: Students may be eligible for a LOA for either of the following reasons. The LOA provisions will be the same in either case.

- **Medical Leave of Absence:**Student may consider a medical LOA if they are experiencing a medical situation that hinders their ability to successfully complete coursework.
- **Personal Leave of Absence:** Students may consider a personal LOA for family reasons, planned internship or educational experience not offered through East Central University (ECU), or other reasons that require a student to be away from school for a limited period of time exceeding one calendar year.

Eligibility also requires the following:

- The student must be enrolled at full-time status at the time the LOA is requested.
- The student must not be subject to any academic or student conduct violations.

Students requesting a LOA must acknowledge all of the following when submitting their request.

- Neither the request for a LOA nor the granting of it will result in enrolled courses for future terms/semester being automatically dropped. The student is responsible for dropping any future courses he/she may have registered for. Failure to do so will not serve as justification for ECU to cancel the student's account balance at a later date.
- The LOA does not guarantee any accommodations concerning federal financial aid. Students should consult the Office of Financial Aid prior to requesting a LOA.
- If a LOA is granted, it is the student's responsibility to notify residence life and any other office/organization on campus that they have association with.

Returning from a LOA: Turn return from a LOA students should first complete the readmission process via ECU's Admissions Office. After being readmitted, the returning student should submit to the Records Office a signed Readmit Student Request to Maintain Prior Catalog Year Form, which can be obtained on the Records Office web page. The form may be submitted to the Records Office in person, or via email (registrar@ecok.edu) – but only if sent from the student's ECU email address. The form must be received by the Records Office within six months of the student being readmitted. Students who decide to return early – within one calendar year of leaving the university – need not be readmitted, nor do they need to submit the catalog year form.

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Leave of Absence - Military (Undergraduate & Graduate)

Pursuant to Title 70 O.S., § 3248, State System institutions shall grant a leave of absence, which shall not exceed a cumulative five (5) years, to a student who is a member of the active uniformed military services of the United States and called to active duty. The student shall be eligible to:

- Withdraw from any or all courses for the period of active duty service without penalty to admission status or GPA and without loss of institutional financial aid (for refund of tuition and fees refer to Budget and Fiscal policy 4.18.4.I); OR
- Receive an "I" for any or all courses for the period of active duty status irrespective of the student's grade at the time the "I" is awarded; provided, however, that the student has completed a minimum of fifty percent (50%) of all coursework prior to being called to active duty and the student completes all courses upon return from active duty. The student's admission status and GPA shall not be penalized and the student shall not experience loss of institutional financial aid.

Notification of Military Service: The student (or an appropriate officer of the armed forces or official of the Department of Defense) must give oral or written notice of such service to the school as far in advance as is reasonable under the circumstances. This notice does not have to indicate whether the student intends to return to the school and may not be subject to any rule of timeliness. (Timeliness must be determined by the facts in each case.) Alternatively, at the time of readmission, the student may submit an attestation of military service that necessitated his absence from school. No notice is required if precluded by military necessity, such as service in operations that are classified or would be compromised by such notice.

Notification of Intent to Return to School: The student must also give oral or written notice of his/her intent to return to the school within three years after the completion of the period of service. A student who is hospitalized or convalescing due to an illness or injury incurred or aggravated during the performance of service must notify the school within two years after the end of the period needed for recovery from the illness or injury. A student who fails to apply for readmission within these periods does not automatically forfeit eligibility for readmission but is subject to the school's established leave of absence policy and general practices.

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Official Communication Policy (Undergraduate & Graduate)

Upon admission all East Central University (ECU) students are assigned an email account. That email address, along with mail sent via the US Postal Service and campus mail, are the official channels by which ECU communicates with students. Students who have attended ECU within the past calendar year, and who wish to communicate with the university by email, must use their assigned ECU address. The University will not communicate via third party email addresses if the student should have access to an ECU account.

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Registering/Enrolling in Courses (Undergraduate & Graduate)

East Central University (ECU) academic advisors are available to assist students with course selection and registration. Ultimately however, each student is responsible for the accuracy of his/her own course schedule. Furthermore, each student is responsible for being familiar with the following before registering for courses.

- Know the important calendar dates for registration, including the last day to add, drop and withdraw.
- Each student should confirm his/her ability to pay for courses and services. Students must be aware that monies owed constitute not only a debt to East Central University (ECU), but also to the State of Oklahoma. When a student registers for a course it prevents ECU from offering that course to another paying student. Students that register for courses, but who do not drop by the appropriate deadline, will be required to pay all monies owed to ECU.
- The requirement to accept a registration agreement and acknowledgment of financial responsibilities in Colleague Student Self-Service prior to registration.
- Students should know which advisors have been assigned to them, and if multiple advisors have been assigned, the purpose of each.
- Each student should be familiar with the degree requirements for his/her academic program. Only with knowledge of the degree requirements can students know they are registered for the correct courses.

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Registration Restrictions (Undergraduate & Graduate)

For a variety of reasons East Central University (ECU) may prevent a student from registering for further courses until certain actions are taken. Below is a list of all such restrictions currently utilized by ECU. Also shown is the exact message a student will see if attempting to register in Colleague Self-Service (CSS) while one of the following restrictions is active. Importantly, these restrictions will prevent a student from registering for any course. The list below does not include restrictions that may be applicable for specific courses.

Bursar Restriction: Students with a large outstanding account balance will be prevented from registering. Please see the Bursar's website for specific information on the maximum amount permitted before registration is blocked.

CSS: Registration Hold: Unpaid Bill (bursaroffice2@ecok.edu or ext. 5227)

Academic Suspension: Students placed on academic suspension will be blocked from further registration until such time as the suspension is lifted. Please see academic standing policies for further details.

CSS: Registration Hold: Academic Suspension (see catalog policy)

Non-Degree Seeking Student Exceeds Credit Limit: Non-Degree seeing students who exceed their allowed number of earned credit hours prior to full admission will be blocked from further course registration. To continue their education at ECU these students must seek full admission. Please see the non-degree seeking student credit limit policy for further details.

CSS: Registration Hold: Non-Degree Seeking (must apply for full admission)

Deficiency Course Requirement (UG Only): Students admitted to ECU who are required to complete a remedial/deficiency course will be blocked from online registration. To register, these students must meet with a professional academic advisor in the Academic Success Center.

CSS: Registration Hold: Basic Skills Course Incomplete (contact advisor in ASC)

International Student Restriction: At the discretion of the Director of International Students and Programs, international students may be blocked from further registration if requirements for reporting and certification are not met.

CSS: Registration Hold: International Documents Missing (intlstu@ecok.edu)

Immunization: Students will be blocked from further registration if documentation has not been submitted verifying compliance with Oklahoma's immunization requirements.

CSS: Registration Hold: Immunization Required (healthservices@ecok.edu)

Behavioral Conduct & Safety: At the discretion of the Office of Admissions and the division of Student Development, registration may be prevented due to health and safety related concerns.

CSS: Registration Hold: Dean of Students Approval Needed

Registration Agreement: Prior to enrolling in courses for each academic term/semester all students are required to accept a registration agreement in Colleague Self-Service. The agreement outlines student responsibilities including the requirement pay their bill. Online registration will not be available until the agreement has been accepted.

CSS: To Accept Your Registration Agreement (link will be provided to access agreement).

Advising Clearance (UG Only): Students are required to obtain registration clearance from their academic advisor prior to enrolling in classes online. Students will be blocked from online registration until clearance has been granted.

CSS: Registration Hold: Contact Advisor for Clearance to Enroll

New Student (UG Only): New students are required to meet with a professional advisor in the Academic Success Center prior to enrolling in courses. Some exceptions may apply.

CSS: Registration Hold: New Student (contact asc@ecok.edu or ext. 5236).

Concurrent Enrollment (UG Only): High School students enrolled part-time at ECU are not permitted to register online. These students will be registered by the Academic Success Center based on documentation submitted during the concurrent enrollment process. For further information about concurrent enrollment, students and parents should contact the Office of Admissions.

CSS: Registration Hold: Enrollment Form Needed (asc@ecok.edu or ext. 5236).

UNIV-1001 Enrollment Required (UG Only): First-Time freshmen are required to register for UNIV-1001 during their first semester.

CSS: Must Enroll in UNIV-1001 to Complete Enrollment

Missing ACT Documentation (UG Only): New students will not be permitted to register until all test documentation has been submitted.

CSS: Registration Hold: Missing ACT Documentation (contact Admissions Office)

Missing Official Transcripts: New transfer students must submit official transcripts from all institutions/universities previously attended. If documents have not been submitted, or if only unofficial documents have been received, online registration will be unavailable until all required documents are turned in.

CSS: Registration Hold: Missing Official Transcript (registrar@ecok.edu)

Academic Integrity: At the discretion of the Office of Academic Affairs, students may be prevented from further registration due to academic integrity violations.

CSS: Registration Hold: Academic Integrity (academic_affairs@ecok.edu)

Oklahoma Residency Verification Required: At the discretion of the Office of Admissions, new students may be prevented from registering if it is determined that additional documentation is required for the purpose of validating residency status.

CSS: Must Verify Residency Status (contact admissions office)

Student Information Validation Required: At the discretion of the registrar, students may be blocked from registration if critical information within their record needs to be validated or is missing. For example, if enrollment reports to the National Student Clearinghouse fine a matching social security number at another school under a different student's name. If this restriction is placed on a student's record an email will be immediately sent to their ecok.edu address. The restriction will be removed as soon as the requested documents have been provided.

CSS: Registration Hold: Student Data Validation Required (registrar@ecok.edu)

Graduate Courses: By default, graduate level courses will be reserved for students admitted to the graduate school. Undergraduate students seeking to enroll in graduate courses must seek permission from the Dean of the Graduate School. It is recommended that students consult with their academic advisor prior to contacting the dean.

CSS: Ineligible for Graduate Coursework (contact Graduate School)

Course Overload Limits: When enrolling in courses online, any student who attempts to exceed a course load limit will receive an error message. Please see the credit load policies in this catalog for further information.

CSS: College Dean Approval Required to Enroll in Additional Credit Hours

Student Assigned Registration Limits: ECU reserves the right to limit credit hours for specific students to an extent most appropriate for their academic success. For example, when appealing academic suspension it is not uncommon for such a limit to be a condition of readmission.

CSS: Not Permitted to Enroll in Additional Credit Hours.

Bachelor Degree Required for Graduate Enrollment: At the discretion of the Graduate School Dean, a student may be permitted to enroll in graduate courses prior to confirmation that their bachelor's degree has been awarded. In these cases, a specific number of allowed credit hours will be set. Students who attempt to exceed that limit will be prevented from registering online.

CSS: Must Complete Bachelor's Degree to Continue Graduate Course Enrollment

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Remediation Policy (Undergraduates)

The Oklahoma State Regents for Higher Education (OSHRE) wants to ensure students are prepared to succeed academically in college. Therefore, per OSHRE policy, students admitted to ECU who did not satisfactorily complete the high school core curriculum or make the required scores on the ACT or SAT must enhance their college readiness through a process called remediation. Remediation can include courses, supplemental instruction, tutoring, and/or other steps to improve college readiness and the chances of success in college coursework. The remediation process is not credit-bearing and may not be used toward meeting degree requirements.

ECU also provides corequisite support to assist students who need remediation to complete college-level courses. Corequisite models allow students to enroll in a college-level, credit-bearing course while receiving additional academic support they may need to succeed in it.

Students who have below a 19 on the ACT in any subject area (or below a 510 in either of the SAT subject areas) will need remediation.

If a student needs remediation, the student can take the ACCUPLACER test through the Academic Success Center upon admission. Every ECU student can take the ACCUPLACER one time for free, and one additional time (after a 30-day waiting period from the first test date) for a $15 retest fee, which is paid to the ECU Bursar. Each student is allowed a maximum of two testing sessions, as students who are not able to pass the ACCUPLACER test within two testing sessions would likely benefit most from completing a corequisite or remedial course. Because of the limit of two testing sessions, students are encouraged to take all the tests they need remediation for during each session. Since the ACCUPLACER platform offers multiple varieties of tests, only ACCUPLACER exams administered through ECU are considered for course placement.

A student must score a 245 on the English ACCUPLACER at ECU to remediate in English and a 250 on the reading ACCUPLACER to remediate a reading deficiency. To remediate in the subject of science, a student must score a 235 on the math portion of the ACCUPLACER and a 230 on the reading portion. Math can be fully remediated with an ACCUPLACER score of 250, or a student who scores above a 237 but below a 250 can enroll in an entry-level course along with a co-requisite course.

Students who need remediation must complete the required remedial courses, or earn a passing score on the ACCUPLACER test, within 24 credit hours of enrollment at ECU. If a student does not remediate within 24 credit hours of enrollment, an appeal must be submitted to explain the circumstances which led to the remediation not being complete. All appeals will be reviewed, but approval is not guaranteed. If an appeal is granted, it will be on the contingency that the student completes remediation during the following semester. A second appeal cannot be approved.

Other Information
- All academic remediation/deficiencies will be waived for LPN Nursing pathway students due to their prior work experience.
- Concurrent students are not eligible to take non-credit bearing courses.

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Student Complaints
(Undergraduate & Graduate)

ECU aims to provide a supportive campus culture that promotes student learning and development. However, should the need arise, students may file complaints with appropriate institutional officers. Complaints are typically addressed to the individual most directly involved with the complaint. A student should attempt an informal resolution with the appropriate faculty member, staff member or administrator. If the issue cannot be resolved at the level to which the complaint is made, it may be referred to the next higher level. Students left unsatisfied by the resolution provided may complete the Online Grievance Form, which will be reviewed by one of ECU's Vice President.

If issues are unable to be resolved internally at ECU, complaints may be directed to the Oklahoma State Board of Regents. Students may request contact information from institutional officers to file a complaint with the appropriate state agency or the institution's accrediting body.

- Student enrolled in on-campus programs or residing in the state of Oklahoma may follow the policy outlined here: https://okhighered.org/current-college-students/complaints/.
- Students enrolled in distance education and residing outside of the state of Oklahoma may follow the policy outlined here: https://okhighered.org/admin-fac/sara/#sara-complaints.
- Learn more about the student complaint process for distance education students residing outside of the state of Oklahoma here: https:nc-sara.org/sara-student-complaints-0/

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Student Responsibility Statement
(Undergraduate & Graduate)

All students attending East Central University (ECU) are responsible for knowing and abiding by, all policies and deadlines concerning their enrollment, coursework, conduct, and financial obligations. ECU makes every effort to ensure all such information is available to students, but it is expected that students will try to become familiar with such information. ECU is not responsible for any academic and/or financial consequences resulting from a student's lack of familiarity with relevant policies.

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Transcripts (ECU Clubs & Organizations)
(Undergraduate & Graduate)

If a member of an ECU club or other organization with eligibility requirements, it is the student's responsibility to provide their transcript to that club or organization for eligibility purposes. If an unofficial transcript is required, the student should download a copy online from Colleague Self-Service. If an official transcript is required, each student will be responsible for submitting an official transcript request. The Records Office will not issue transcripts in bulk for ECU clubs or organizations. An exception to this policy will not be made because the club or organization advisor has a signed consent to release.

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Transcripts & Third-Party Release Forms
(Undergraduate & Graduate)

Students often require official transcripts for the purpose of doing business with third-party organizations. In all such cases, current and former students should request an official transcript. ECU does charge for official transcripts. A signed consent to release form submitted by a third party organization will not result in a free official transcript being issued directly to that organization.

The ECU Records Office will review and consider accepting third-party consent to release forms for purposes not limited to a simple transcript request - each request will be considered individually. ECU reserves the right to reject any and all third-party claims to student information - with the exception of those required by law.

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Transfer Credit Policies
(Undergraduate & Graduate)

Unless designated Undergraduate (UG) or Graduate (GR), the policies below apply to both the UG and GR levels. Those policies applicable to only UG or GR are identified accordingly.

Official Transcript Requirement: Official transcripts from the originating institution will be required prior to transfer credit evaluation and transcription to the East Central University (ECU) transcript. For each official transcript received, ECU will only evaluate and transcribe the work earned while attending the originating institution.

Official transcripts will also be required for credit-for-prior-learning (CPL) by examination credentials. Scores sent electronically, and directly to ECU from the testing organization, will be considered to meet the requirement of an official transcript. If CPL credit has been previously transcribed at another Oklahoma regionally accredited institution, then in accordance with Oklahoma State Regents policy, the credit shall be considered transferrable on the same basis as if the credit had been earned through regular study. Thus, in this circumstance, credit will be transcribed to the ECU transcript prior to earning 12hrs of degree bearing credit from ECU. ECU's full CPL policy can be found in a later portion of this policy section.

Note on CPL vs. Technical College Credits: The provision above for CPL transcribed by a previously attended Oklahoma regionally accredited institutions, does not apply to credits from technical colleges/centers. Credit from technical colleges/centers will be considered independently of whether another school, in or outside of Oklahoma, previously gave credit.

Note on International Documents: International students should consult with the Office of International Students & Programs for specific rules concerning official transcripts. Generally speaking, yes, in all cases international students are required to submit official educational documents. However, for certain countries ECU may accept certified official copies of original educational documents. Furthermore, official documents from recognized international credential evaluating organizations may be accepted in place of an original document from the student's home country. Questions concerning these requirements should be directed to the Office of International Students & Programs.

Transfer Documents Become ECU Property: All documents submitted to East Central University (ECU) pertaining to prior coursework become the property of ECU. In accordance with FERPA guidelines, students may review all documents retained within their permanent record. However, official documents, nor copies of the same, will be provided back to the student. This policy applies to both domestic and international students.

Transfer Courses from Regionally Accredited Institutions (UG): Courses from colleges and universities accredited by HLC or another regional accreditor will be accepted and transcribed to the East Central University transcript. Importantly, this does not mean all such credit hours will count toward a bachelor's degree. For limits on transfer hours please see the relevant policy below. The seven recognized U.S. regional accrediting agencies are listed below.

- Higher Learning Commission
- Middle States Commission on Higher Education
- New England Commission of Higher Education
- Northwest Commission on Colleges and Universities
- Southern Association of Colleges and Schools Commission of Colleges
- Western Association of Schools and Colleges (WASC) Senior College and University Commission
    - Included under the scope of WASC is the Accrediting Commission for Community and Junior Colleges

Transfer Courses from Nationally Accredited Institutions (UG): By default, credits from such institutions are not transferrable to East Central University (ECU). Students may however request via Etrieve to have specific courses evaluated by academic faculty – approved courses will be accepted and transcribed at ECU. The process of evaluation occurs in two parts and is outlined below.

Part 1: The student's academic advisor, in consultation with the student, will submit an Etrieve form titled *Transfer Credit Evaluation for Nationally Accredited & Non-Accredited Schools* (a.k.a. The Gold Form). This form will identify those nationally accredited and/or non-accredited courses that the advisor believes could benefit the student's path to degree completion. Courses identified on this form will not be transcribed to the student's ECU transcript. Rather, inclusion on this form qualifies the courses for consideration during Part 2 of the process (see below).

Part 2: Those courses identified on the Etrieve form in Part 1 may be considered as possible course substitutions, which if approved, will allow those courses to count toward specific graduation requirements. Students should consult with their academic advisor for details regarding the course substitution process. Only if approved for a course substitution, will a nationally accredited or non-accredited course then be transcribed to the student's ECU transcript record.

Transfer Courses from Non-Accredited Institutions (UG): By default, credits from such institutions are not transferrable to East Central University (ECU). This includes institutions that may be accredited by an agency/association limited in scope to a specific state, but not recognized regionally or nationally. Students may however request via Etrieve to have specific courses evaluated by academic faculty – approved courses will be accepted and transcribed at ECU. The process of evaluation takes place in two parts and is outlined below.

Part 1: The student's academic advisor, in consultation with the student, will submit an Etrieve form titled *Transfer Credit Evaluation for Nationally Accredited & Non-Accredited Schools* (a.k.a. The Gold Form). This form will identify those nationally accredited and/or non-accredited courses that the advisor believes could benefit the student's path to degree completion. Courses identified on this form will not be transcribed to the student's ECU transcript. Rather, inclusion on this form qualifies the courses for consideration during Part 2 of the process (see below).

Part 2: Those courses identified on the Etrieve form in Part 1 may be considered as possible course substitutions, which if approved, will allow those courses to count toward specific graduation requirements. Students should consult with their academic advisor for details regarding the course substitution process. Only if approved for a course substitution, will a nationally accredited or non-accredited course then be transcribed to the student's ECU transcript record.

Note: Sophia Learning and Straighterline courses are not accepted at ECU. The process mentioned above for faculty approval does not apply to courses completed through these organizations. This note may also be found applicable to other unaccredited organizations as the discretion of ECU Academic Affairs. Any unaccredited organization claiming to be "ACE recommended" will fall into this category.

Transfer Courses for Non-Degree Seeking Students: Students admitted to ECU under a non-degree seeking status are not required to submit official transcripts. However, in the event that such a student does submit an official transcript, that work will be evaluated and transcribed to the ECU transcript. No exceptions to this rule will be made. Unlike degree seeking admittees, a hold will not be placed on the non-degree seeking student's record for official transcripts not received by ECU.

If, at a later date, the student changes his/her status and decides to seek a degree, it will be that students responsibility to submit official transcripts from all previously attended institutions. A student's failure to do this will very likely hinder the graduation timeline - either because needed transfer credit hours will have not been transcribed at ECU, or because the student is found to be in violation of the official transcript requirements for degree seeking students.

Transfer Courses for Post-Baccalaureate (Post-Bac) Students: These are student who have previously been awarded a bachelor's degree. When these students are admitted to ECU for the first time with the purpose of completing a graduate degree, only the undergraduate degree statement will be transcribed and that statement will appear on the graduate transcript.

If, however, a post-bac student is admitted to ECU for the purpose of completing further undergraduate work, the handling of any prior transfer courses and credits will depend on that student's intended goal, which will be recognized from the active program record assigned during the admissions process.

- If intending to complete another bachelor's degree (i.e., degree-seeking), then any and all official transcripts from previously attended schools must be submitted to ECU. The prior bachelor's degree statement, as well as all transferrable work, will be transcribed to the ECU transcript.
- If not intending to complete another bachelor's degree (i.e., non-degree seeking), then official transcripts from previously attended schools will not be required. This includes the transcript from the bachelor awarding institution. However, any official transcripts that are submitted will be transcribed at ECU. Please see the policy above titled *Transfer Courses for Non-Degree Seeking Students* for more information.

Transfer Courses & Accreditation Concerning Graduate Programs (GR): The School of Graduate Studies may accept the transfer of credit earned at other colleges and universities accredited for master's or higher-level study by the Higher Learning Commission or a comparable national accrediting association. A minimum of 21 credit hours applied to a graduate degree must be earned from ECU. Policy concerning grade requirements for graduate transfer courses can be found below.

Transfer Courses from Technical Schools/Colleges (UG): In compliance with OSRHE Chapter 3.6, transfer credit will be accepted from Oklahoma technology centers that ECU has a cooperative agreement with. Transfer credits will not be accepted from other technology schools/colleges within or outside Oklahoma.

In-Progress Courses: Official transcripts with in-progress courses will be accepted. Those courses with final grades will be evaluated and transcribed to the East Central University (ECU) transcript per the policies contained herein. Courses marked as in-progress at the time ECU receives the official transcript will not be recorded to the ECU transcript. The student will be permitted to enroll at ECU for one academic term/semester before being require to submit a final complete transcript. Students who do not submit a complete and final transcript will be prohibited from further course registration at ECU.

Transfer students are encouraged to be familiar with whether or not any courses are marked as in-progress on official transcripts submitted to ECU, as well as how those courses are designated by the originating institution. College and universities often use different notations such as "WIP" (Work In Progress), "In-Progress," or sometimes even "NR" (Not Reported), though "NR" is not commonly used in this manner. ECU transfer evaluators will rely on the following to determine if courses are in-progress.

- Official Transcript Key
- Print/Issue Date on Official Transcript
- Start Date of Transcribed Courses

Transfer Course Grades: Accepted vs. Not Accepted (UG): Effective Spring 2026, East Central University will transcribe all grades from the official transcript, with the *exception* of any grade for which both of the following are true.

- Does not factor into GPA calculations (i.e., GPA neutral); AND
- Does not award credit hours

Examples of grades that meet the above two requirements include, but may not be limited to, (I) Incomplete, W (Withdrawal), AW (Administrative Withdrawal), NP (No Pass) and NR (Not Reported). During the evaluation process ECU will examine the grading key of the transfer transcript to determine what other grade marks may fall into this category.

> 20 Years Prior Transfer Courses Not Accepted (UG) - *policy FAQ*

Academic terms completed more than 20 years ago will not be transcribed. Previously awarded academic degrees will be honored and notated on the ECU transcript regardless of how long ago they were earned. Qualifying prior degrees will satisfy the general education requirement. However, courses completed more than 20 years prior will not be transcribed at ECU, which means the student will *not* be credited with earned hours for individual courses.

ECU will calculate the 20 year period from the day the transfer transcript is received by our campus. For example, if ECU receives a transcript during Summer 2026, the oldest academic term ECU will accept transfer credit for is Summer 2006.

Effective Fall 2026, a block credit hour model is being applied to help students who meet the following requirements:

a. Have earned a prior regionally accredited associate or bachelor degree; AND
b. Some or all courses leading up to that degree were earned more than 20 years ago.

The following block credit model will *not* be retroactively applied to transfer transcripts that were subject to the 20 year rule prior to the start of Fall 2026.

Prior Regionally Accredited Associate's Degree: To qualify the degree must be an Associate of Arts or Associate of Sciences. Applied Associate degrees do not qualify. The "award date" ECU uses to apply the rules below will be the degree conferral date stated on the transfer transcript.

- *Awarded ≥ 20 Years Ago:* The student will receive a block of 60 lower division credit hours. The number of hours is not negotiable. A greater number of hours will not be awarded for a prior associate degree that required more than 60 credits at the originating institution. In accordance with the 20 year rule (see above) courses completed prior to the degree conferral date will not be transcribed at ECU.
- *Awarded < 20 Years Ago:* The number of block credits received will vary depending upon the number of transfer credit hours completed fewer than 20 years ago *but* before the degree conferral date. That number will be deducted from 60. The difference will equal the value of the credit block awarded to the student.

For most transfer students this calculation will be straightforward. However, for students who have previously attended several schools and who have pursued a variety of academic programs along the way, ECU reserves the right to determine the block credit hour value as we deem most appropriate. If the curriculum history is complex, this value may differ from the student's initial expectations.

- - Example: An Associate of Arts was earned 15 years ago. A total of only 10 credit hours leading up to the degree were earned fewer than 20 years ago. Those 10 credit hours will be transcribed to the ECU transcript on a course-by-course basis. The value of the credit hour block awarded for the prior associate's degree will be 50 hours.

Prior Regionally Accredited Bachelor's Degree: The "award date" ECU uses to apply the rules below will be the degree conferral date stated on the transfer transcript. The block of hours awarded due to a prior bachelor's degree will count toward ECU's senior college hour requirement for graduation.

- *Awarded ≥ 20 Years Ago:* The student will receive a block of 90 lower division credit hours. The number of hours is not negotiable. A greater number of hours will not be awarded for prior degrees that required more than 120 earned hours at the originating institution. In accordance with the 20 year rule (see above) courses completed prior to the degree conferral date will not be transcribed at ECU.
- *Awarded < 20 Years Ago:* The number of block credits received will vary depending upon the number of transfer credit hours completed fewer than 20 years ago *but* before the degree conferral date. That number will be deducted from 90. The difference will equal the value of the credit block awarded to the student.

For most transfer students this calculation will be straightforward. However, for students who have previously attended several schools and who have pursued a variety of academic programs along the way, ECU reserves the right to determine the block credit hour value as we deem most appropriate. If the curriculum history is complex, this value may differ from the student's initial expectations.

- Example: An Bachelor of Arts was earned 15 years ago. A total of only 30 credit hours leading up to the were earned fewer than 20 years ago. Those 30 credit hours will be transcribed to the ECU transcript on a course-by-course basis. The value of the credit hour block awarded for the prior degree will be 60 hours.

Transfer Course Grades (GR): Effective 1-20-26, East Central University (ECU) will transcribe all grades from the official transcript, with the ***exception*** of any grade for which both of the following are true.

- Does not factor into GPA calculations (i.e., GPA neutral); AND
- Does not award credit hours

Examples of grades meeting the above two requirements include, but may not be limited to, (I) Incomplete, W (Withdrawal), AW (Administrative Withdrawal), NP (No Pass) and NR (Not Reported). During the evaluation process ECU will examine the grading key of the transfer transcript to determine what other grade marks may fall into this category.

> 20 Years Prior Academic Terms: Academic terms completed more than 20 years ago will not be transcribed. Previously awarded academic degrees will be honored and notated on the ECU transcript regardless of how long ago they were earned. ECU will calculate the 20 year period from the day the transfer transcript is received by our campus - and the academic term that date falls within. For example, if ECU receives a transcript on 07/14/2026, the oldest academic term ECU will accept transfer credit for is Summer 2006.

Of those prior grades that are transcribed at ECU, it is left to the discretion of the graduate school which courses may be deemed transferrable for the purpose of completing an ECU program. The academic department overseeing the student's program may impose further limitations at their discretion. Not all graduate programs accept prior (transfer) courses toward degree completion. For those graduate programs that do accept prior (transfer) courses, each student will be required to complete a minimum of 21 ECU credit hours toward their degree. No prior (transfer) grade lower than "B" will be accepted toward ECU degree requirements. All transfer hours must be appropriate to the particular program in which the student is enrolled, as determined by the graduate degree program. The Dean of the School of Graduate Studies gives final approval for all prior (transfer) work permitted to count toward ECU degree requirements.

Physical Activity Transfer Courses (UG): All physical activity transfer courses to be transcribed in accordance with the grad policy outlined above, will appear on the ECU transcript with a grade of pass (P) or no-pass (NP) – regardless of the grade type used by the originating institution.

Physical Activity Transfer Courses (UG): For compliance with Oklahoma State Regents for Higher Education (OSRHE) policy requirements, all physical activity transfer courses will be transcribed at ECU with a grade of pass (P) or no-pass (NP).

Transfer Course Credit Hours: Credits awarded at East Central University (ECU) for transfer courses will always reflect the credit value awarded by the originating institution. The also applies when the transfer course has been assigned an "equivalency" with an ECU Course.

Quarter System Transfer Credits: Transfer credits from quarter system institutions will be divided by 1.5 to determine the appropriate number of semester credit hours.

International Transfer Courses: For coursework originating from an institution outside the borders of the United States, students are encouraged to obtain formal evaluations from World Education Services (WES) or a similar member organization of the National Association of Credential Evaluation Services (NACES). The following must be submitted to East Central University (ECU).

- An official copy of the WES or NACES member organization evaluation.
- An official copy of the original international transcript.

Note: Standards and practices applicable for domestic official transcripts will apply to both the original international transcript and the WES or NACES member organization evaluation. International students should follow instructions provided by the International Student Office for how to submit transcript related documents.

International Transfers With Prior Degrees: International students whose prior degree has been evaluated by a recognized international credential evaluation organization, and has been deemed equivalent to the same degree earned from a U.S. regionally accredited institution, will be granted all the rights and privileges of that prior degree - the same as if it had been earned from a U.S. regionally accredited institution.

Prior Associate's Degree & Bachelor's General Education (UG): Transfer students who have completed an Associate's of Art (A.A.) or Associate's of Science (A.S.) from an Oklahoma regionally accredited institution, will be considered to have fulfilled all the general education requirements for a bachelor's degree. This policy is not applicable to Applied Associate Degrees. Importantly, some East Central University programs require specific courses be completed toward general education. For these programs, students with a prior A.A. or A.S. degree may need to take additional courses from the general education curriculum. Students should review the general education and major program requirements sections of this catalog for further information.

Notation of Prior Degrees On ECU Transcript (UG & GR): Prior awards from external institutions will be notated to the ECU transcript in accordance with the following rules:

- **Currently Pursuing Undergraduate Curriculum at ECU:** Any previously earned Associate's and Bachelor's awards will be notated on the ECU transcript. This includes any prior Applied Associate's degrees, which do not qualify to waive ECU general education requirements.
- **Currently Pursuing Graduate Curriculum at ECU:** All prior Bachelor's and Master's awards reflected on official transcripts received by ECU, will be notated on the ECU transcript.

Transfer Courses & Multi-Discipline General Education Requirements (UG): For those general education requirements requiring courses from more than on academic discipline, transfer courses will apply toward such requirements based on the subject prefix of corresponding East Central University (ECU) equivalent courses. For all transfer courses with an ECU course equivalency, course substitutions may not be used as an alternative means of applying credits toward general education requirements.

Example: A transfer course originally completed under a Chemistry prefix (CHEM), but given credit at ECU as the equivalent of a Biology Course (BIOL), would be count as a Biology course if used to fulfill a multi-discipline general education requirement. This application of credit toward degree cannot be altered by a course substitution.

Maximum Transfer Credits Toward Bachelor's Degree (UG): Although East Central University (ECU) does not limit the number of transfer credit hours that can be transcribed to the ECU transcript, a minimum of 30 credit hours must be earned from ECU. Therefore, for a 120-hour bachelor's degree, a maximum of 90 transfer credit hours may apply toward graduation. Furthermore, at least 60 credit hours, excluding physical activity courses, must be earned from a baccalaureate degree awarding institution (i.e., from a four-year school).

Summary of Transfer Hour Limits Toward Bachelor's

- Maximum 90 overall transfer credit hours
- Of the 90-hours allowed, a maximum of 60 credit hours can come from a two-year school.

For bachelor's programs requiring 124 hours, the maximum transfer hours allowed is 94, and the maximum from a two-year school is 64.

Transfer Course Level (Lower/Upper Division; UG): Transfer credits will be classified at the level (lower/upper) at which they were originally earned. If a lower division course from a four-year institution is granted equivalency with an East Central University (ECU) course taught at the upper division level, the course credits will not count toward the minimum upper division hours required for a bachelor's degree. The credits may however satisfy any major/minor content requirements that the ECU course would otherwise be applied toward. The exception would be if the major/minor program specifically states that the requirement must be satisfied by upper division credit hours. Lower division credit hours earned from a two-year school are never permitted to count toward credit hour requirements or major/minor content requirements that ECU intends to be satisfied by upper division courses.

Degree Bearing Transfer Courses & ECU Developmental/Remedial (UG): A transfer course considered degree bearing (i.e., not developmental/remedial) by the originating institution may *not* be equated to a developmental/remedial course offered by ECU. Rather, the course must be accepted either as an equivalent to one of ECU's degree bearing courses or toward general transfer credit (GEN-TR). This policy became effective July 1 of 2025. Transfer course equivalencies granted by academic departments prior to this date will not be retroactively changed.

GPA Calculations & Transfer Credits: Transfer credits will be calculated into the Grad-Retention and Overall Cumulative GPA values.

Continuing Education Work: Transfer work transcribed with the label "Continuing Education" will not be recorded (i.e., transcribed) at ECU. ECU's policy on continuing education coursework dates back to pre-2017.

Credit for Prior Learning (CLP): East Central University (ECU) permits students to receive the following types of prior learning credit:

- College Board's College-Level Examination Program (CLEP; subject exams only)
- College Board's Advanced Placement (AP) Exams
- ECU Advanced Standing/Subject Examination Exams
- DANTES Exams (subject exams only)
- International Baccalaureate (IB) Exams
- American Council on Education (ACE) Transcripts
- Joint Services Transcript (JST; Based on ACE recommendations)
- Council on Law Enforcement Education & Training (CLEET) – *see below for more information*
- Challenge Portfolios (based on CAEL and LRC guidelines) – *see below for more information*
- OSDE Non-Traditional Teacher Certification Boot Camp – *see below for more information*
- Practical Nursing (LPN) License Holders (Bachelor's of Nursing Applicants Only) - see below for more information

The following are forms of CLP not accepted by ECU at this time.

- Industry Credentials & Certifications (NOCTI)
- National College Credit Recommendation Services (NCCRS)
- Sophia Learning
- Straighterline
- Study.com
- NSLS Leadership Education Program

When applicable, credit awarded for prior learning (i.e., number of semester hours and level) shall not exceed HLC and ACE recommendations. Examination scores used to validate prior learning must meet or exceed the minimum recommended by ACE for national examinations. Credits for all modes of prior learning will not be transcribed to the ECU transcript until after the student has successfully completed (i.e., at a C-grade or above) at least 12 degree bearing credit hours from ECU. All credit awarded for prior learning will be transcribed with a P-grade (Passed). Credits awarded shall be transcribed with the subject prefix, number and title of the relevant ECU course. Credits awarded will include a notation on the Ecu transcript indicating the mode of CLP.

Unless previously accepted and transcribed at another Oklahoma regionally accredited institution, an original copy of the credit by examination transcript must be submitted to ECU. CLP previously transcribed at another Oklahoma regionally accredited institution, shall, in accordance with Oklahoma State Regents policy, be considered transferrable on the same basis as if the credit had been earned through regular study. Thus, in this circumstance, credit will be transcribed to the ECU transcript prior to earning 12hrs of degree bearing credit from ECU.

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CLEET – Council on Law Enforcement Education
An official transcript must be submitted to ECU directly from CLEET. Students are not permitted to submit the document themselves. CLEET transcripts should be sent to registrar@ecok.edu.

For CLEET certifications earned in Oklahoma, transcripts may be requested by visiting the licensee portal and opting for the document to be sent to an external organization. Oklahoma CLEET requires a 10-day minimum processing time. For CLEET certification earned outside of Oklahoma, the student is responsible for contacting the appropriate agency and determining the procedure for having their transcript emailed to ECU.

Effective January 2026, the following 27 credit hour package will be awarded to all students with a CLEET certification regardless of *when* or from *what state* the certification was earned. The policy will not be retroactively applied to students who submitted their CLEET transcript prior to January 2026. The credit award package outlined below in exchange for CLEET certification is only available to Criminal Justice majors.

- Oklahoma CLEET certification awarded (27 credit hours)
  - CRJS 2453 Police Function
  - CRJS 3423 Introduction to Law Enforcement
  - CRJS 4293 Police Administration
  - CRJS 4333 Criminal Investigation I
  - CRJS 4343 Criminal Investigation II
  - CRJS P4946 Internship-Cops
  - CRJS P4946 Internship-Cops

- The CLEET courses above will be credited to the ECU transcript with the following notations.
  - CLEET 1 CLEET Certification 1
  - CLEET 2 CLEET Training Course 2
  - CLEET 3 CLEET Training Course 3
  - CLEET 4 CLEET Training Course 4
  - CLEET 5 CLEET Training Course 5
  - CLEET 6 CLEET Training Course 6
  - CLEET 7 CLEET Training Course 7
- Revoked or Suspended CLEET Certification: College credits are awarded for having earned a certification – not for having an active certification. For this reason, a revoked or suspended certification status will not prevent students from being awarded college credit in accordance with the policies stated herein.

Challenge Portfolio

Challenge portfolios create opportunities for students to earn credit toward courses by portfolio. Portfolios may include documentation, expository essay, interview and/or skills demonstration. Undergraduates can challenge up to 15 credit hours and graduate students up to three hours. The decision to offer a challenge portfolio option is left to the discretion of each academic department and the respective college dean. Those departments allowing a student to challenge by portfolio should provide to their dean each of the following.

- A list of courses they would like the student to challenge.
- All eligibility requirements for each course. For example, does the student need to have two years' worth of work or volunteer experience at a social service agency, etc.).
- All course level learning outcomes the student will need to master and rubrics for the same.
- The names of two faculty members who will assess the portfolio.

Students who would like to create a challenge portfolio must:

- Schedule a meeting with the college dean to determine if they meet eligibility requirements and discuss the challenge process.

At a minimum, each challenge portfolio must include:

- A title page with the student's name, contact information, ECU ID number, major program, and the course to be challenged.
- A table of contents.
- An autobiographical statement (three to five pages, double spaced) that includes the student's career goals and educational plan.
- A critical reflection of what the student has learned during the process of mastering the learning outcomes. The learning statement may be from one to four pages double spaced. It must explain, specifically, how the student believes he/she has met the learning outcomes and also indicate which level has achieved on the rubric.
- A resume (if learning outcomes were met at a place of employment)

Challenge portfolios must be professional written and formatted using APA or MLA style. Students will be assessed a fee for submitting the portfolio. Unsuccessful portfolios may be revised and resubmitted up to two times at a reduced fee. If a challenge is successful, the student will work with the academic department chair to attach the portfolio, along with the rubrics completed by faculty, to the Challenge Portfolio Etrieve form.

Teacher Certification Non-Traditional "Boot Camp" – Oklahoma State Department of Education (OSDE)

The Oklahoma State Department of Education (OSDE) conducts a non-traditional route to certification program called "Boot Camp" in Special Education. Boot Camp includes 120 hours of instruction in the following required areas.

- Introduction to Special Education
- Individualized Education Plan/Special Education Legal & Ethical Issues (includes 30 hours of field experience)
- Behavioral Management
- Effective Teaching & Reading Strategies

The instructional and field experience hours required in Boot Camp correspond to the hourly requirements of a graduate course as three credit hours equal to 150 minutes per week/16 weeks of the year for a total of 2,400 minutes (40 hours). The OSDE requirement of 150 hours equals nine credit hours of East Central University Coursework. The following courses and descriptions are common content equivalents to the OSDE Boot Camp. Some Boot Camp programs may vary in content. With the college dean's approval, alternative course equivalents may be awarded. The overall number of credit hours awarded will never exceed nine.

- EDUC 5093 Identification of and Strategies for Students with Behavior Disorders
- EDUC 5333 Legal Aspects of Special Education
- EDUC 5233 Survey of Teaching Reading

Determination of course equivalency will be the responsibility of the Director of Special Education and the Dean of the College of Education and Psychology. Students requesting equivalency verification will submit documentation to these individuals.

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Advanced Standing Examination (ASE) Credit

ASE is a pathway by which students may petition for the opportunity to earn credit toward an East Central University (ECU) course by examination. Students with prior experience in a professional field of work, or who have earned credit at an unaccredited institution, may find ASE to be a valuable tool.

The courses eligible for ASE are left to the discretion of the relevant academic department and college dean. Students interested in earning credit via the ASE process should complete the request form in Etrieve. Credits earned via ASE will be charged at the current rate determined by ECU administration at the time the exam is administered. Below are further notes concerning the ASE process.

- ASE credit will not be considered as part of the regular study load for the semester or term in which the credit is recorded.
- No graduate level credit may be earned via ASE.
- ASE may not be earned toward courses not currently offered by ECU.
- A student is not eligible to receive ASE credit in any course unless he or she is eligible to enroll in that course.
- No student may earn ASE credit toward a course he or she already has credit.
- No student will be permitted to permitted to repeat an ASE.
- Prior to earning ASE credit, a student must have already successfully completed a minimum of 12 credit hours at ECU. Successful completion is determined by an ECU retention GPA of 2.00 or higher.
- Students must be enrolled in courses at ECU during the term an ASE is completed.
- Credits earned via ASE will not count toward ECU's minimum requirement of 30 hours completed in residence for graduation.
- All course credit earned via ASE will be designated on the ECU transcript with a grade of "P."

Practical Nursing (LPN) License Holders

This nursing pathway is available for applicants into Bachelor of Nursing program. The policies of this program are governed by the Memorandum of Understanding between the Oklahoma State Regents for Higher Education and the Oklahoma Department of Career and Technology Education dated November 6, 2024. A copy of this MOU is kept by the ECU Registrar. Students must hold a currently valid and unencumbered LPN license to be eligible. Eligible students, upon submitting their transcript from a participating Oklahoma Technical College, will be awarded the following 22 credit hours. For more information, including a list of participating Oklahoma Technical Colleges, prospective students should contact the Nursing Department.

Total: 22 hours of credit toward the BSN degree with the opportunity for an additional four (4) credit hours
BIOL 2184 Human Anatomy
NRSG 1142 Introduction to Professional Nursing
NRSG 2104 Foundations in Nursing
NRSG 2224 Physical Assessment
NRSG 3118 Med-Surg I

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International Baccalaureate (IB)
ECU only awards credit for IB courses complete at the Higher Level (HL) with a minimum score of four (4). Standard Level (SL) courses will not be accepted. Those IB courses listed below have been previously evaluated for ECU credit - the corresponding ECU course is also listed. IB courses (HL only) not listed below will be evaluated by the ECU Registrar on a case by case basis.

IB Course	4	5	6	7
ENG A Lang & Lit	ENG 1113	ENG 1113	ENG 1113	ENG 1113

Non-Coursework Information from Original Transfer Transcript: Supplemental information outside what is mentioned in the above policies (e.g., academic standing comments from original transcript), will not be transcribed to the East Central University transcript.

Transfer Matrices: A matrix allows transfer students to search through guaranteed East Central University (ECU) course equivalencies for their originating institution. ECU current provides students access to the following matrices:

- Oklahoma State Regents for Higher Education (OSRHE) Matrix
  - The OSRHE matrix applies only to Oklahoma public colleges in institutions of higher learning. ECU will always honor and equivalencies listed within the OSRHE matrix.
- ECU Institutional Matrix
  - The ECU institutional matrix is a complete archive of all past transfer course equivalencies (active and inactive) for institutions across the country and beyond.
  - Each course equivalency with in the matrix has a start and end date.
  - Active Equivalencies (currently available) will have a start date but no end date.
  - Inactive Equivalencies (not currently available) will have both a start and end date).

For transfer courses not included in either of the above matrices, evaluation of potential ECU course equivalencies will not be completed until an official transcript from the originating institution is received by ECU. Transfer transcript processing evaluation may take multiple months due to the consistently high volume of incoming transfer coursework.

OSRHE Chapter 3.11 UG Transfer & Articulation
OSRHE Chapter 3.16 Credit for Prior Learning

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Veterans Educational Benefits (Undergraduate & Graduate)

East Central University (ECU) is approved for students who are eligible for a variety of Veterans Administration benefits. The Office of Veterans Affairs will provide information, as well as assistance, in the proper filing of all forms for those who are eligible for educational benefits. Information is available concerning all G.I. Bills® which pertain to educational benefits. Questions about other veteran's benefits are encouraged and appropriate resources will be suggested for follow-up information.

Veterans are encouraged to use other services and programs which include counseling, advisement, job placement, outreach, recruitment, VA paid tutoring, and VA paid work-study. The Veterans Administration Regional Office in Muskogee extends the use of a free call-in line (1-888-GIBILL1 or 1-888-442-4551) for all veterans who have questions pertaining to situations not expressly covered under benefits administered by the office at East Central University. East Central University is compliant with Section 702 of the Veterans Access, Choice, and Accountability Act of 2014, Veterans, Active Duty Military Personnel along with their dependents who are using either the MGIB, Chapter 30 or Post 9/11, Chapter 33 (or 33T for dependents) educational benefits will not be charged tuition and fees in excess of the resident rate for terms beginning after July 1, 2015 (December 31, 2015). East Central University is compliant with PL 116-315 Section 1005 and PL 117-68. East Central University is compliant with PL 115407 38 USC 3679(e)(1)(A).

GI Bill is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at http://www.benefits.va.gov/gibill

The Department of Veterans Affairs administers a variety of educational benefit programs. Many Veterans and active duty personnel can qualify for more than one education benefits program. Go to the GI Bill website for more information.

Students using VA Education benefits must provide all prior transcripts and training records for evaluation and review. This includes post-secondary and military transcripts. All transcripts must be provided before a student can be certified for VA benefits. ECU will evaluate these records, and when possible, grant appropriate credit for the previous education and/or training, shorten the length of the training program, and notify the student regarding the amount of credit being granted for previous training.

Chapter 30 - Montgomery GI Bill (Active Duty)
The MGIB program provided up to 36 months of education benefits. This benefit may be used for degree and certificate programs, flight training, apprenticeship/on-the-job training and correspondence courses. Generally, benefits are payable for 10 years following your release from active duty.

V.A. Web Resource – Chapter 30 Information

Chapter 31 – Veteran Readiness and Employment
The Vocational Rehabilitation program is for veterans who have service-connected disabilities and require further education to attain suitable, stable employment. This program may provide vocational and other training services and assistance including tutorial assistance, tuition assistance, tuition, books, fees, supplies, licensing fees and equipment and other training materials necessary.

V.A. Web Resource - Chapter 31 Information

Chapter 33 – (Post 9/11 GI Bill)
This program provides VA Educational Benefits to eligible veterans and service members who served at least 30 continuous days on active duty after September 10, 2001, and to certain qualifying dependents. Tuition and fees (based on a combination of length of service and highest rate at a public institution in the state) are paid directly to the school; eligible students received a monthly housing allowance and books and supplies stipends.

V.A. Web Resource – Chapter 33 Information
V.A. Web Resource – Transfer of Eligibility

Chapter 35 – Survivors and Dependents Education Assistance Program
If you are a child or spouse of a veteran or service member who has died, is captured or missing, or has disabilities, you may be able to get help paying for school through the DEA Program – also called Chapter 35. Chapter 35 benefits are available for up to 36 months.

V.A. Web Resource – Chapter 35 Information

Chapter 1606 – Montgomery GI Bill© Selected Reserve
The Montgomery GI Selected Reserve (MGIB-SR) program offers up to 36 months of education and training benefits. If you are a member of the Army, Navy, Air Force, Marine Corps or Coast Guard Reserve, Army National Guard, or Air National Guard, you may be eligible for this benefit. Chapter 1606 are available for up to 36 months.

V.A. Web Resource – Chapter 1606 Information

Veterans Affairs Office & School Certifying Official
The Veterans Affairs Office is the primary point of contact for veterans, active duty, reservists and National/Air Guard members and their dependents. The Veteran Affairs Office is located in Room 113 of the Administration Building. ECU's School Certifying Official (SCO) is Patrick Hicks (phicks@ecok.edu; 580-559-5162).

Tuition Assistance (TA)
An educational benefit for active duty service members. Each branch of service has slightly different rules governing the benefit. The service members must pursue the benefit through their educational service office at their duty station to be approved. The approval must occur prior to enrolling for courses at ECU.

If you are using TA to pay for your education and withdraw from a class after the drop deadline, but prior to completing 60 percent of the course, the Department of Defense (DOD) requires that ECU return any unearned TA funds to the department based on how much of the course you completed. The amount of unearned TA funds is calculated based on the date you withdrew. If you fail a course for non-attendance, you unofficial withdrew and the amount of unearned TA funds will be calculated from the date of your last participation in the course. Your TA eligibility is determined based on the following formula (see below). When completing ECU's online drop/withdrawal form students will be required to self-identify as participating in the TA program.

- Days Completed Before Withdrawal/Last Participation
- Total Number of Days of the Course = Percent of TA Earned

16-Week Course Drop/Withdraw Submission

- By Course Drop Deadline = 100% Return to DOD
- During Weeks 3-4 = 75% Return to DOD
- During Weeks 5-8 = 50% Return to DOD
- During Week 9 = 40% Return to DOD (60% of course has been completed)
- During Weeks 10-16 = 0% Return to DOD

8-Week Course Drop/Withdraw Submission

- By Course Drop Deadline = 100% Return to DOD
- During Week 2 = 75% Return to DOD
- During Weeks 3-4 = 50% Return to DOD
- During Week 5 = 40% Return to DOD (60% of course has been completed)
- During Weeks 6-8 = 0% Return to DOD

Per Oklahoma State Regents for Higher Education Chapter 4 policy (4.15.4, H-1), tuition and fee refunds resulting from schedule changes are to be issued to students in the full amount, and no refunds are available after the course drop deadline. Therefore, after the course drop deadline, the student will be responsible for paying to ECU the portion of TA funds returned to DOD. TA students who did not drop their courses by the deadline listed in the Academic Catalog may owe a portion of their tuition both to ECU and to their military branch.

ECU's SCO can assist with the following:

- A. Education Chapter Benefits
- DOC Tuition Assistance (TA)
- Applying for or Transferring V.A. Benefits
- Ordering and Evaluating JST Transcripts
- Certifying Enrollments to the V.A.
- Amending Enrollments for Increase/Decrease in Hours During the Term
- Enrollment Questions and Planning
- Liaison with V.A. Concerning Pay and Tuition/Fee Issues
- Submitting tuition and fee rates to V.A.

Other Campus Resources for Veterans

- Title IV funding as it relates to T.A. and V.A. Benefits
- Degree plans for T.A. and VR&E (Chapter 31) Students
- Academic Counseling
- Student Support Services (SSS)

- Veterans Student Support Services (VSSS)

Statement on Admissions Recruitment Incentives & Tactics:ECU does not engage in the use of commissions, bonuses, or other incentive payment programs given to employers or contractors for the purpose of securing enrollments of service members. ECU also does not engage in high-pressure recruitment tactics. All individuals who receive communication have either already given consent with third-party vendors, or directly with ECU, and can opt out of any and all communication at any time.

The Dole Act & Electronic Transcripts: The Dole Act (see language below) requires an electronic transcript in some form (official or unofficial) to be available to veterans. Students who attended ECU prior to Fall 2021 are able to receive an electronic official transcript, but not an unofficial. Students who have attended after Fall 2021 can receive an electronic unofficial transcript but not an official. These differences are due to system limitations, which ECU hopes to resolve in the near future.

The language below was provided to ECU by the Department of Veteran Affairs

Digital Transcripts

Per section 207 of P.L. 118-210, the Elizabeth Dole Home and Community Based Services for Veterans and Caregivers Act, some schools are required to make available to each eligible person or Veteran a copy of their official transcript in a digital format upon request. This is effective August 1, 2025.

- *All accredited IHLs must make the transcript available to any VA beneficiary enrolled in any program approved for VA benefits.*
- *For non-accredited IHLs, the law requires the school to make available the transcript to any VA beneficiary enrolled in a standard degree program only (excludes non-college degree programs).*
- *The law does not apply to stand-alone Non-College Degree schools.*

Providing a PDF of the student's transcript via an email to the student satisfies the requirement for a 'digital transcript'. The law does not require you to provide an official (stamped/sealed) copy. The law also does not prevent the school from charging for the transcript or using a third-party service provider.

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ECU ACADEMIC COLLEGES

2026-2027 COLLEGE OF EDUCATION & PSYCHOLOGY

2026-2027 College of Education & Psychology
Jerry Mihelic, Dean

Department of Education
Department of Kinesiology
Department of Psychology

2026-2027 Education (EDUC) Courses
2026-2027 Education Psychology (EDPSY) Courses
2026-2027 Education Library Sci. (EDLBS) Courses
2026-2027 Kinesiology (KIN) Courses
2026-2027 Psychology (PSYCH) Courses
2026-2027 Psychology Sociology (PYSOC) Courses
2026-2027 Psychology Human Resources (HRPSY) Courses

Department of Education

Majors Offered
Early Childhood Education - Bachelor of Science
Elementary Education - Bachelor of Science

Minor Offered
Education

Departmental Information
The Department of Education serves the University in three essential functions. The first function is to prepare students in the three areas of specialization the department offers at the undergraduate level: Elementary Education and Early Childhood Education. The areas of specialization lead to teacher licensure and certification in Oklahoma. The second function is to provide professional education courses which enable competent educators in all of the teacher education programs at the University. The third and final function is the offering of eight options at the master's level (see Section on School of Graduate Studies). The graduate program prepares individuals for a variety of occupations in public schools, related positions in institutions, business, industry, or hospitals.

Each teacher certification program offered at East Central University is nationally accredited by The Council for the Accreditation of Educator Preparation. The teacher preparation program addresses both national standards and Oklahoma's required 10 competencies. All standards are delivered within ECU's PRIDE conceptual framework where faculty are committed to preparing Professional, Reflective, Innovative and Dedicated Educators. Integrated throughout the program are technology standards and best practices in STEM education. Students preparing to teach in secondary schools acquire a content knowledge base and competency in their respective specialty fields to teach at the middle school, junior high, or high school level. Elementary Education majors are prepared to teach in elementary, middle school, or junior high through eighth grade. Early Childhood Education majors prepare to teach in preschools, kindergartens, and grades one through three. Field experiences provide supervised interactions with public school children before and during student teaching.

All teacher certification programs provide academic backgrounds for students wishing to pursue graduate level education. These advanced studies lead to an expanded professional knowledge base and set of skills which may provide access and entry into professional careers in education. The professional careers include school administration, supervision, library media, guidance and counseling, special education, school psychology and psychometry, and research. The department also offers a doctorate in Rural Education.

Elementary Education Program
Elementary Education majors develop skill and competency in educating children in grades one through eight. The student acquires an academic foundation in language arts, mathematics, science, and social studies by completing at least twelve semester hours in each of these content areas. Elementary Education majors expand their teaching knowledge and skills in the use of teaching methods, materials, various assessment instruments, and appropriate technologies toward meeting the educational needs of elementary students. They develop perspective and skills in planning, organizing, implementing, and evaluating learning activities and lessons. Students also learn appropriate classroom management skills that provide a setting and climate conducive to learning and growth.

Early Childhood Education Program
Students who major in Early Childhood Education complete courses concentrating on the development and education of young children. This program leads to state certification for teaching children in preschool, kindergarten, and grades one, two, and three. The study focuses students on (a) developing an understanding of the unique characteristics and needs of pre-primary and primary level children, (b) learning to assess emerging skills, and (c) planning and executing learning activities appropriate for young learners at various stages of development. Early Childhood majors complete twelve semester hours in each of these areas: science, mathematics, social studies, and language arts. The student who majors in Early Childhood Education will gain practical experiences with prekindergarten through third grade children before and during the student teaching experience.

Requirements for Retention & Graduation in Teacher Education
Appeal, Dismissal & Suspension - Teacher Education

Criteria for Admission to Teacher Education
Students who are considering teacher education as a career must make an application for admission into the Teacher Education Program. Applications for admission will be completed while enrolled in EDUC 2012, Diversity in American Education. Applications for Teacher Education are considered in light of the student's disposition for the teaching profession, work in Block I, college grade point average, English Composition grades or HNRS 2313 in place of ENG 1213, grade in Fundamentals of Human Communication, personnel records, and other pertinent data, including but not limited to, OSRHE requirements. An interview, which includes an evaluation of ethics, is held with the student by a team of education faculty. After full consideration, the applicant is either admitted to the teacher education program, conditionally admitted, or referred for a second interview. After a second interview if an applicant is denied, a student can appeal to the Professional Education Committee (see section titled, "Suspension, Dismissal and Appeals").

A student must meet the following criteria to be admitted to the Teacher Education Program
1) Submit a completed "Admission for Teacher Education Application" form. Applications are submitted to students during EDUC 2012 and can be obtained from the Department of Education.

2) Have completed at least 44 credit hours with a 2.5 GPA or higher.

3) Achieve a "C" or above in ENG 1113 Freshman Composition I, ENG 1213 Freshman Composition II or HNRS 2313 Enduring Questions: Perspectives from Rhetoric and Research (Honors Students Only), and COMM 1113 Fundamentals of Human Communication. The student can be currently enrolled in these courses but may not progress to professional block II without achieving a "C" or better upon completion of each course.

4) Receive a satisfactory recommendation from an education faculty review committee. This review committee will conduct an interview and review a student's disposition record when considering an applicant.

5) Provide documentation of experiences working with children/youth. (completion of EDUC 2211 Field I or concurrent enrollment will satisfy this state requirement) as required by the state.

6) Provide a background check showing they have not been convicted of a felony, any crime involving moral turpitude or a felony violation of the narcotic laws of the United States or the State of Oklahoma within the preceding ten-year period.

7) Meet one of the requirements as outlined by OSRHE 3.21.2 in the OSRHE Academic Affairs Policy and Procedures manual.

If a person is denied entry into the Teacher Education Program a new application for admission may be submitted. In addition the person may submit a written appeal for reconsideration. Appeal procedures are available upon request from department chair.

Requirements for Retention & Graduation in Teacher Education
Students admitted to the Teacher Education Program must maintain their eligibility by meeting the Education Department's dispositional and academic standards. The Teacher Education Program has an ongoing informal evaluation, and specified reviews of teacher education majors regarding continued eligibility for retention, certification, and graduation in teacher education. The following is the review procedure for retention:

1) A continuous informal evaluation occurs for each student admitted to the Teacher Education Program. This evaluation includes each professor being sensitive to student problems or concerns. If a professor observes a problem or concern and considers that it does not meet the Education Department's professional dispositional and academic standards, the professor will file a dispositional concern with the Chair of the Department of Education. The Education Chair or designee will investigate the matter.

2) As a student progress through the program, reviews consist of the following two parts: (a) an examination of the student's grade point average, and (b) performance review by the Education Chair or designee, which may include the student's professional disposition. A student not maintaining an overall grade point average of 2.5 or better in all college work attempted may not enroll in professional education or pedagogical courses (e.g. methods, teaching) in one's major. Students are required to receive a "C" or better in professional education coursework and a "C" or better for coursework in one's major unless otherwise allowed by the program. If a "D" or below is received, a student shall retake the course.

- Unsatisfactory professional disposition may impact eligibility for program retention. An unfavorable evaluation by the Education Chair or designee may lead to either a recommendation to continue in the program under a plan of improvement or a recommendation for dismissal from the program.

3) When the student submits an Application for Student Teaching, an additional review is completed.

4) The evaluation process continues through the student teaching semester.

A student recommended for dismissed from the Teacher Education Program as a result of the review procedure may appeal to the Professional Education Committee.

Plan of Improvement, Suspension, Dismissal and Appeals

Plan of Improvement
If it is determined that a teacher candidate needs a plan of improvement, the following process will be followed:

- The director of teacher education or designee will form a review committee
- The committee will develop a plan of improvement as guided by the template (appendix B - contact department for details)
- The committee or representative will meet with the teacher candidate to discuss the developed plan and obtain signature(s)
- If the conditions are not met in the stated timeline, the committee will make a recommendation to either extend the plan or to dismiss or suspend the teacher candidate from the program

A candidate who is removed from the Teacher Education Program may appeal to the Teacher Education Committee for a hearing and submit evidence of cause for reconsideration.

Suspension from the Teacher Education Program
A candidate shall be suspended when the Education Chair maintains a reasonable belief that grounds exist for a suspension from the Teacher Education Program. The Education Chair shall notify the candidate of the suspension in writing, and said suspension shall not extend beyond ten (10) business days. On or before day 10 of the suspension, the Education Chair shall in writing either reinstate the candidate to the Teacher Education Program or recommend a review by the Professional Education Council (PEC). To the extent possible, a candidate reinstated after the initiation of the suspension from the Teacher Education Program will be restored to their previous position and status without action detrimental to their studies, progress, and evaluation of their work. The Education Chair will decide if the applicant or candidate will be allowed to attend classes, including field experiences and student teaching, during the suspension.

Dismissal from the Teacher Education Program
The obligation for maintaining academic integrity, professional standards and ethics, and legal responsibilities should be considered fundamental in the preparation of future educators. ECU's Teacher Education Program assumes this obligation to students, parents, guardians, public schools, and the State of Oklahoma. The Teacher Education Program will dismiss from the program those candidates deemed unsuitable teacher education students.

East Central University may dismiss from the Teacher Education Program any candidate whose personal conduct is deemed detrimental to:

1.) The welfare of students in the public schools;

2.) The teacher education program's effective working relationship with the public schools;

3.) The candidate's future success in the program;

4.) The candidate's ability to effectively teach;

5.) The teacher education program's role in training future educators; or

6.) The profession of teaching. Behavior that may constitute grounds for dismissal from the teacher education program includes, but is not limited to, conduct that may result in felony conviction.

A candidate being considered for dismissal from the Teacher Education Program for personal conduct shall be notified in writing by the Education Chair. Such written notice shall include:

1.) General description of the reasons for the consideration; and

2.) The date, time, and location of a review by the Professional Education Committee (PEC), which shall be held not more than ten (10) business days after the candidate receives notification of his or her consideration for dismissal.

At the PEC review, the candidate will be provided the opportunity to submit applicable evidence and call any witnesses. The PEC will also review other relevant information and may do so in private, if needed. Following the PEC review, the PEC Chair will notify the candidate in writing about the committee's decision regarding his or her dismissal from the Teacher Education Program and, if needed, the process to appeal the decision.

Appeals

The appeal procedures for students denied admittance to or dismissed from the Teacher Education Program are as follows:

1.) The applicant or candidate initiates the appeal process by providing written notice to the Dean of the College of Education and Psychology. If appealing a denied admittance to the Teacher Education program, the written notice shall be submitted within ten (10) business days following the Education Chair's notification to the applicant about denied admittance to the Teacher Education Program. If appealing a dismissal from the Teacher Education Program, the written notice shall be submitted within ten (10) business days following the Professional Education Council (PEC) Chair's notification to the applicant about being dismissed from the Teacher Education Program. A written notice received after ten (10) business days will not be considered.

2.) The Dean of the College of Education and Psychology will set a hearing within ten (10) business days of receipt of written notice for appeal and notify the applicant or candidate in writing of the date, time, and location.

3.) At the hearing, the Education Chair (denied admittance appeals) or Professional Education Council Chair (dismissal appeals) will be provided the opportunity to submit applicable evidence and call any witnesses. Then, the applicant or candidate will be provided the opportunity to submit applicable evidence and call any witnesses.

4.) At the end of the hearing, the Dean of the College of Education and Psychology will announce his or her decision about the appeal and provide written notification not more than five (5) business days to all parties. Said written notice shall include a finding of facts and the decision

5.) The Dean of the College of Education and Psychology maintains the right to adjust the appeal procedures for extenuating circumstances, provided the adjustments do not eliminate an applicant or candidate's right to a hearing.

The Education Chair will decide if the applicant or candidate will be allowed to attend classes, including field experiences and student teaching, during the pendency of the hearing.

Application for Student Teaching
A teacher candidate must file an "Application for Admission to Student Teaching" during the preceding semester in which they expect to student teach. This normally occurs during Block III. Approval for student teaching must be granted prior to enrolling in student teaching courses.

A teacher candidate must meet the following criteria to be admitted to the student teaching:

1.) Created a Single Sign On account with the Oklahoma State Department of Education (OSDE);

2.) Have a background check showing they have not been convicted of a felony, any crime involving moral turpitude or a felony violation of the narcotic laws of the United States or the State of Oklahoma within the preceding ten-year period.

3.) Have a 2.5 GPA (Grad. Retn.) or better;

4.) Admitted and not currently on a Student Plan of Improvement in the Teacher Education Program;

5.) Completed all pedagogical courses (e.g. methods, teaching) in one's major.

6.) Verify foreign language requirement by demonstrating conversation skills at a novice high level, earning a "C" or better in college-level foreign language coursework, passing an exit exam from a college-level course, or demonstrating 2 years of foreign language at the high school level with a "C" or better for both years.

7.) Earned a "C" or better for coursework in one's major unless otherwise allowed by program.

8.) Earned a "C" or better in the following Professional Education courses:

EDUC 2012 Diversity in American Education
EDUC 2211 Field Experience I
EDUC 2402 Survey of Exceptional Children
EDUC 2631 Foundations of Educational Technology
EDUC 3001 Field Experience II
EDUC 4042 Strat for Effective Teach in Elementary and Early Childhood Ed; OR
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Strategies for Implementing Educational Technology
EDPSY 3513 Educational Psychology
PSYCH 3463 Child and Adolescent Psychology

At the end of the student teaching admission process, the teacher candidate will either be approved, conditionally approved, or denied. The department will notify each teacher candidate in writing about their approval status to student teaching.

This notification will occur prior to the end of Block III, meaning a teacher candidate will not have met Block III requirements by then. The department will make decisions regarding approval into student teaching as if the teacher candidate will complete Block III requirements. If a teacher candidate fails to complete Block III requirements after receiving an approval status notification, the department will notify the teacher candidate that their approval status has been changed to either conditionally approved or denied.

Applicants may be conditionally approved if they have not met one or more criteria but plan to do so prior to student teaching. If conditionally approved, the student will meet with the Education Chair to discuss the unmet criteria and the time line for meeting the requirements. This conditionally approved status for student teaching will extend no further than the last day of the semester preceding student teaching.

When the conditionally approved student meets the criteria, on or before the established time line, they shall notify the Education Chair. The Education Chair will evaluate the student's progress and, if verified, will notify the student in writing about their approval status.

If the student conditionally admitted fails to meet the criteria on or before the established time line, they shall not participate in student teaching for the requested semester.

Professional Education Sequence

EDUC 2402 Survey of Exceptional Children
PSYCH 3463 Child & Adolescent Psychology

The following courses to be taken when a sophomore or junior:
EDUC 2012 Diversity in American Education (complete same term as EDUC 2211 & 2632)
EDUC 2631 Foundations of Education Technology (complete same term as EDUC 2012 & 2211)
EDUC 2211 Field Experience I (complete same term as EDUC 2012 & 2631)

The following courses to be taken when a junior:
EDPSY 3513 Educational Psychology (complete same term as EDUC 3001)
EDUC 3001 Field Experience II (complete same semester as EDPSY 3513)

The following courses to be taken when a senior:
EDUC 4042 Strategies for Effective Teaching Elem/Early Childhood
- To be completed same term as EDUC 4611 & 4632 for all elem/early childhood education teacher cert majors; OR
EDUC 4052 Effective Teaching in Secondary Education
- To be completed same term as EDUC 4611 & 4632 for all secondary education teacher cert majors.
EDUC 4632 Education Technology Integration Strategies
- To be completed same term as EDUC 4042 & 4611
EDUC 4611 Field Experience III
- To be completed same term as EDUC 4042 & 4632

The following courses to be taken when a senior, either the first or second semester - no other courses shall be taken.
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II

The first, second or third pair of the following courses.
EDUC 4954 Supervised Student Teaching Elementary Schools
EDUC 4954 Supervised Student Teaching Elementary Schools
EDUC 4964 Supervised Student Teaching Grades PK-12
EDUC 4964 Supervised Student Teaching Grades PK-12
EDUC 4974 Supervised Student Teaching Secondary Schools
EDUC 4974 Supervised Student Teaching Secondary Schools

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2026-2027 Early Childhood Education - Bachelor of Science (120 Credit Hours)

Required General Education Courses (40 Credit Hours)
For this program students are required to take certain courses toward the completion of their general education.
ENG 1113 Freshman Composition I
ENG 1213 Freshman Composition II or HNRS 2313
PS 1113 US Government
PSYCH 1113 General Psychology
KIN 2183 Basic Nutrition
UNIV 1001 Tiger Connect

Choose one of the following
HIST 2483 US History Survey to 1877
HIST 2493 US History Survey Since 1877

Choose one of the following
HIST 1123 Modern Western Civilization
HIST 1113 Foundations of Western Civilization
HIST 2613 Explorations World History & Culture
GEOG 1113 Elements of Human Geography
SOC 1113 Introduction to Sociology

Choose one of the following
HUM 2313 Multicultural American Literature
HUM 2323 Global Literature or HNRS 1313
HUM 2413 Responding to Literature

Choose one of the following
MATH 1413 Survey of Mathematics
MATH 1513 College Algebra
MATH 1613 Functions & Modeling

Choose 12hrs from the following
BIOL 1114 General Biology
CHEM 1114 General Chemistry
EHS 1114 Intro to Environmental Science
GEOG 1214 Earth Science
PHSCI 1114 General Physical Science
PHYS 1314 Astronomy
Note: Student must meet each of the five General Education Student Learning Outcomes at least once.

Major in Early Childhood Education (33 Credit Hours)
EDLBS 4913 Children's Literature
EDUC 3013 Methods of Emergent Literacy
EDUC 3033 Soc & Guide Young Child
EDUC 3043 Educ, Dev, & Obs Young Child
EDUC 3463 Foundations of Reading
EDUC 3483 Methods of Reading
EDUC 3493 Reading Assessment for Instruction
EDUC 3503 Methods Elem Math - Primary
EDUC 3603 Sci & Soc Stu For Early Childhood
EDUC 3753 Meth of Early Childhood Education
EDUC 3333 Methods in Creative Arts

Related Work (12 Credit Hours)
MATH 2713 Mathematical Concepts I
MATH 2723 Mathematical Concepts II
MATH 2733 Mathematical Concepts III
MATH 1113 Fundamentals of Human Communication

Professional Education (30 Credit Hours)
EDUC 2402 Survey of Exceptional Child
PSYCH 3463 Child and Adolescent Psychology
EDUC 2012 Diversity in American Education
EDUC 2631 Foundations of Educational Technology
EDUC 2211 Field Experience I
EDPSY 3513 Educ Psychology
EDUC 3001 Field Experience II
EDUC 4042 Strategies for Effective Teaching in Elem/Early Childhood Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching - Seminar I
EDUC 4282 Student Teaching - Seminar II Classroom Management
EDUC 4954 Supervised Student Teaching Elem Schools
EDUC 4954 Supervised Student Teaching Elem Schools

Elective Courses (5 Credit Hours)
An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Demonstrate novice high competency in a foreign language or complete a Foreign Language or American Sign Language course with a C-grade or higher. Students should consult with their major program advisor for further details.

2026 - 2027 Early Childhood Education - Check Sheet
2026 - 2027 Early Childhood Education - 4-Year Plan

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2026-2027 Elementary Education - Bachelor of Science (120 Credit Hours)

Required General Education Courses (40 Credit Hours)
For this program students are required to take certain courses toward the completion of their general education.
ENG 1113 Freshman Composition I
ENG 1213 Freshman Composition II or HNRS 2313
PS 1113 US Government
PSYCH 1113 General Psychology
KIN 2183 Basic Nutrition
UNIV 1001 Tiger Connect

Choose one of the following
HIST 2483 US History Survey to 1877
HIST 2493 US History Survey Since 1877

Choose one of the following
HIST 1123 Modern Western Civilization
HIST 1113 Foundations of Western Civilization

HIST 2613 Explorations World History & Culture
GEOG 1113 Elements of Human Geography
SOC 1113 Introduction to Sociology

Choose one of the following
HUM 2313 Multicultural American Literature
HUM 2323 Global Literature or HNRS 1313
HUM 2413 Responding to Literature

Choose one of the following
MATH 1413 Survey of Mathematics
MATH 1513 College Algebra
MATH 1613 Functions & Modeling

Choose 12hrs from the following
BIOL 1114 General Biology
CHEM 1114 General Chemistry
EHS 1114 Introduction to Environmental Science
GEOG 1214 Earth Science
PHSCI 1114 General Physical Science
PHYS 1314 Astronomy
Note: Student must meet each of the five General Education Student Learning Outcomes at least once.

Major in Elementary Education (33 Credit Hours)
EDUC 3333 Methods in Creative Arts for Yng Child
EDLBS 4913 Children's Literature
EDUC 3463 Foundations of Reading
EDUC 3483 Methods of Reading
EDUC 3493 Reading Assessment for Instruction
EDUC 3713 Methods in Elem Soc Stu
EDUC 3753 Methods in Early Childhood Education
EDUC 3013 Methods of Emergent Literacy
EDUC 3613 Methods in Elem Natural Science
EDUC 3503 Methods in Elem Math/Primary
EDUC 2513 Methods in Elem Math/Intermediate

Related Work
MATH 2713 Mathematical Concepts I
MATH 2723 Mathematical Concepts II
MATH 2733 Mathematical Concepts III
COMM 1113 Fundamentals of Human Communication

Professional Education (30 Credit Hours)
EDUC 2402 Survey of Exceptional Child
PSYCH 3463 Child & Adolescent Psychology
EDUC 2012 Diversity in American Education
EDUC 2631 Foundations of Educational Technology
EDUC 2211 Field Experience I
EDPSY 3513 Educ Psychology
EDUC 3001 Field Experience II
EDUC4042 Strategies for Effective Teaching in Elem/Early Childhood Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching - Seminar I
EDUC 4282 Student Teaching - Seminar II
EDUC 4954 Supervised Student Teaching Elem Schools
EDUC 4954 Supervised Student Teaching Elem Schools

Elective Courses (5 Credit Hours)
An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Demonstrate novice high competency in a foreign language or complete a Foreign Language or American Sign Language course with a C-grade or higher. Students should consult with their major program advisor for further details.

2026-2027 Elementary Education - Check Sheet
2026-2027 Elementary Education - 4-Year Plan

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2026-2027 Minor in Education (19 Credit Hours)

Required Courses
EDUC 2402 Survey of Exceptional Children
PSYCH 1113 General Psychology
PSYCH 3463 Child & Adolescent Psychology

Select 11 additional hours from the following:
EDUC 3013 Methods of Emergent Literacy

EDUC 3033 Socialization and Guidance Young Child
EDUC 3043 Education, Development, and Observation Young Child
EDUC 3333 Meth in Creative Arts Yng Child
EDUC 3463 Foundations o f Reading
KIN 3233 Adapted Physical Education

If selected from the list below, only one additional PSYCH course will be counted toward an EDUC minor.
PSYCH 3063 Physiological Psychology
PSYCH 3613 Psychology of Learning & Cognition
PSYCH 3833 Behavioral Science Statistics
PSYCH 4112 Psychology of Exceptional Children

Special Requirements
Must earn three hours of upper division work at ECU towards minor to complete minor residency requirement.

Note: Content area methods and Field Experience courses can be considered with department approval.

2026-2027 Minor in Education - Check Sheet

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Department of Kinesiology

Major Offered
Kinesiology - Bachelor of Science

Minor Offered
Kinesiology

Departmental Information

Physical Activity
An integral part of the educational experience – contributes effectively to a student's general development. The Department of Kinesiology gives students the means to educate the total person for living in an enlightened society. The study of human movement is the unique content of the Kinesiology program. Choices in Wellness is the course that is offered for the general education requirement and provides students with the knowledge and skills necessary to make lifestyle choices which positively affect one's health and well-being. The Kinesiology Department also provides support courses for other majors or teaching concentrations.

Kinesiology Program
The Kinesiology program prepares students for careers in the fitness/wellness profession, as well as research-oriented careers. Prospective employers include health clubs, recreational facilities, sports organizations/athletic departments, hospital-based wellness programs, cardiac rehabilitation programs, sports medicine clinics, as well as preparing students for various medical professions such as: athletic training, physical therapy, physical assistant, and physician's assistant.

Many Kinesiology majors use interdisciplinary studies to prepare for working with special populations such as senior citizens or owning their own fitness business such as personal training. The coursework for this degree includes a core of courses in the broad field of Kinesiology concentrating on knowledge and skills necessary for appropriate exercise testing, prescription, and leadership.

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Return to Department of Education

2026-2027 Kinesiology - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Courses (63 Credit Hours)
KIN 1963 Intro to Kinesiology
KIN 2122 Choices in Wellness
KIN 2223 Sports Nutrition
KIN 2273 First Aid
KIN 2413 Applied Anatomy
KIN 2433 Theory of Coaching
KIN 2713 Care and Prevention of Athletic Injuries
KIN 3103 Technology in Kinesiology
KIN 3233 Adapted Physical Education
KIN 3303 Fundamentals of Sports Administration
KIN 3353 Research & Evaluation of Kinesiology
KIN 3563 Health Promotion
KIN 3613 Motor Learning
KIN 3723 Biomechanics
KIN 3733 Physiology of Exercise
KIN 3883 Legal Aspects of Kinesiology
KIN 4153 Organization and Administration
KIN 4223 Strength & Conditioning
KIN 4284 Practicum
KIN 4593 Psychology of Sports
KIN 4623 Exercise Testing & Prescription

Electives (19 Credit Hours)

An elective is any college-level course not required by the degree, but utilized to reach the minimum 120 credit hours for graduation. Elective courses are chosen according to the interest of the student.

Note: Kinesiology majors are not required to complete a minor course of study.

2026-2027 Kinesiology - Check Sheet
2026-2027 Kinesiology - 4-Year Plan

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Return to Department of Education

2026-2027 Minor in Kinesiology (18 Credit Hours)

Core Courses
KIN 1963 Introduction to Kinesiology
KIN 2273 First Aid
KIN 2413 Applied Anatomy
KIN 2713 Care & Prevention of Athletic Injuries

Choose 2 of the following:
KIN 2433 Theory of Coaching
KIN 3303 Fundamentals of Sports Administration
KIN 3613 Motor Learning
KIN 4223 Strength & Conditioning
KIN 4593 Psychology of Sports

Special Requirements
Must earn three hours of upper division work at ECU towards minor to complete the minor residency requirement.

2026-2027 Kinesiology Minor - Check Sheet

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Return to Department of Kinesiology
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Department of Psychology

Major Offered
Psychology - Bachelor of Science
Psychology - Behavioral Health - Bachelor of Science

Minor Offered
Psychology

Departmental Information
The Department of Psychology is actively involved in fulfilling the three functions of a University: Teaching, Research, and Service. These three functions merge as professors have students participate in research, use research findings and student research to enrich classes, and provide a service to the community by teaching needed skills and providing needed services. As a behavioral science, it employs the scientific method to greatly enhance the problem-solving abilities of people. Further, since psychology involves the study of behavior, it enables people to understand themselves better and to understand others. General Psychology is the course that fulfills the general studies function. It is a general course in which the student learns the principles of behavior and how to apply these to everyday living. The Department of Psychology provides support courses for majors in other areas. For example, majors in elementary education, nursing, and professional programs in human services, take courses in psychology to develop the understanding and skills necessary to function in their professions. The Department of Psychology provides a major field of study with two options (i.e., Traditional, Behavioral Health) leading to the Bachelor of Science Degree. Just as in the minor field of study, some students majoring in psychology do not intend to become professional psychologists. These students may use psychology to enter professional schools such as medicine, dentistry, law, or theology. Others use psychology as a liberal education and enter business and industry or use this knowledge and these skills to become effective parents or citizens in the communities in which they live. Finally, of course, students choose to major in psychology because they want to go on to graduate school and make psychology their professional career.

Psychology Program
Psychology is the science of human behavior. As a field, it attempts to develop technologies that will help understand the dynamics of human behavior as a means of developing a profession that will promote human welfare. As such, the undergraduate program at East Central University prepares its students through classwork, student professional organizations such as Psi Chi, field trips, assisting the faculty in professional endeavors such as research and application, and close relationships with the faculty to help understand and get to know, on a broad basis, the field of psychology. This training prepares the student to work at an entry level in the following areas: mental health clinics, hospitals, counseling centers, corrections, and many other areas including being prepared to enter graduate school.

The mission of the Psychology Program is an integral part of the overall mission of East Central University. The mission of the university includes providing a number of baccalaureate, pre-professional and graduate programs. The program addresses this goal by providing an undergraduate degree program in Psychology. Instruction in Psychology at the undergraduate level utilizes the following formats: lecture, video and multimedia material, field trips, research and library report writing, and direct hands-on experience both in the research laboratory and clinic setting.

College of Education & Psychology Internship Hours
The internship hours in CEP are calculated and governed by the various accreditation agencies (National and State). The agencies include regulations regarding the qualifications of mentors, supervisors, and placements.

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Return to Department of Kinesiology
Return to Department of Education
Return to Department of Psychology

2026-2027 Psychology (General) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (44 Credit Hours)
PSYCH 1113 General Psychology
HRPSY 3253 Psychology of Aging
PSYCH 2313 History & Systems of Psychology
PSYCH 2403 Sociocultural Psychology
PSYCH 4001 Psychology Senior Seminar
PSYCH 4133 Abnormal Psychology
PSYCH 4413 Psychology of Personality

Required for Concentration in Psychology (10 Credit Hours)
PSYCH 3114 Experimental Psychology
PSYCH 3833 Behavioral Science Statistics
PSYCH 3933 Writing & Design for Psych Research

Psychology Electives (15 Credit Hours)
Set 1 - Select one or two of the following:
PSYCH 3463 Child & Adolescent Psychology
PSYCH 4443 Child Development
PSYCH 4453 Adolescent Development

Set 2 - Select two of the following:
PSYCH 3023 Introduction to Health Psychology
PSYCH 3053 Intro to Clinical & Counseling Psychology
PSYCH 3063 Physiological Psychology
PSYCH 3613 Psychology of Learning & Cognition
PSYCH 3703 Introduction to Human Sexuality
PSYCH 4213 Psychological Tests & Measurement
PSYCH 4323 Behavioral Management
PSYCH 4983 - Seminar Selected Topics
PSYCH 2213 Social Psychology

Three (3) to six (6) hours of approved 3000-4000 level electives in psychology (may include additional courses from Set 2). EDPSY 3513 and PSYCH 4112 may not be taken for psychology degree credit.

Related Work (3 Credit Hours)
Select on of the following:
MATH 1223 Intro to Probability & Statis; OR
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

General Electives
An elective is any college-level course not required by the degree, but utilized to reach the minimum 120 credit hours for graduation. Elective courses are chosen according to the interest of the student.

Special Requirements
Students must take a adequate number of upper level hours. there are 32-25 upper level hours built into the Psychology degree, therefore students must take a minimum of 5-8 hours of upper level courses in order to meet the 40-hour upper level requirement. While not required, a minor in a field related to a future carrier is recommended.

Note: Psychology majors are not require to complete a minor course of study.

2026 - 2027 Psychology (General) - Check Sheet
2026 - 2027 Psychology (General) - 4-Year Plan

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Return to Department of Education
Return to Department of Psychology

2026-2027 Psychology (Behavioral Health) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (19 Credit Hours)
PSYCH 1113 General Psychology
HRPSY 3253 Psychology of Aging
PSYCH 2313 History & Systems of Psychology
PSYCH 2403 Sociocultural Psychology
PSYCH 4001 Psychology Senior Seminar
PSYCH 4133 Abnormal Psychology
PSYCH 4413 Psychology of Personality

Required for Concentration in Psychology (12 Credit Hours)
PSYCH 3023 Introduction to Health Psychology
PSYCH 3053 Intro to Clinical & Counseling Psychology
PSYCH 3463 Child & Adolescent Psychology
PSYCH 4213 Psychological Tests & Measurements

Three (3) hours of approved 3000-4000 level electives in psychology, EDPSY 3513 and PSYCH 4112 may not be taken for psychology degree credit.

Related Work (3 Credit Hours)
Select one of the following:
MATH 1223 Intro to Probability & Stats; OR
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

General Electives (49 Credit Hours)
An elective is any college-level course not required by the degree, but utilized to reach the minimum 120 credit hours for graduation. Elective courses are chosen according to the interest of the student.

Special Requirements
Students must take an adequate number of upper level hours. There are 25 upper level hours built into the psychology degree, therefore students must take a minimum of 15 hours of upper level courses in order to meet the 40 minimum requirement. Student are encouraged to take courses from BIOL, BUS, CRJS, HURES, EDUC and SOC to enhance the breadth of their psychology degree.

Note: Psychology majors are not require to complete a minor course of study.

2026-2027 Psychology (Behavioral Health) - Check Sheet
2026-2027 Psychology (Behavioral Health) - 4-Year Plan

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Return to Department of Psychology

2026-2027 Minor in Psychology (21 Credit Hours)

Required Course
PSYCH 1113 General Psychology

Select three of the following:
HRPSY 3253 Psychology of Aging
PSYCH 2313 History & Systems of Psychology
PSYCH 3063 Physiological Psychology
PSYCH 3463 Child & Adolescent Psychology
PSYCH 3613 Psychology of Learning & Cognition
PSYCH 3703 Introduction to Human Sexuality
PSYCH 4133 Abnormal Psychology
PSYCH 4213 Psychological Tests & Measurements
PSYCH 4323 Behavioral Management
PSYCH 4413 Psychology of Personality
PSYCH 4443 Child Development
PSYCH 4453 Adolescent Development
PSYCH 4983 - Seminar Selected Topics
PYSOC 2213 Social Psychology

Electives
Nine (9) hours of approved 3000-4000 level electives in Psychology (may include additional courses from the list above). EDPSY 3513 and PSYCH 4112 may not be taken for psychology degree credit.

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

2026-2027 Psychology Minor - Check Sheet

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Return to Department of Psychology

2026-2027 SCHOOL OF BUSINESS

2026-2027 Harland C. Stonecipher School of Business
Michael Scott, Dean

Department of Accounting
Department of Business Administration

General Information
The Harland C. Stonecipher School of Business is located in the Chickasaw Business and Conference Center. The School is also home to the Wilburn L. Smith Center for Entrepreneurship and the Kellogg & Sovereign Consulting, LLC Financial Lab. Students are encouraged to join the Business Leaders Association. Students of high academic achievement will be invited to join the international honor society Delta Mu Delta. Both the Accounting Program, and the Business Administration Program, are accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

2026-2027 Accounting (ACCT) Courses
2026-2027 Business (BUS) Courses
2026-2027 Business Communication (BUCOM) Courses
2026-2027 Business-Economics (BSEC) Courses
2026-2027 Business Law (BUSLW) Courses
2026-2027 Economics (ECON) Courses
2026-2027 Finance (FIN) Courses
2026-2027 Information Technology Management (ITM) Courses
2026-2027 Management (MGMT) Courses
2026-2027 Management Information Systems (MIS) Courses
2026-2027 Marketing (MKTG) Courses
2026-2027 Military Science (MS) Courses

School of Business Internship Hours
Students may obtain from one to three credits from internship opportunities. The general requirement is that the internship must include (1) actual work to be completed under the supervision of the place of employment offering the internship and (2) an academic component related to the field of study under the supervision of the SSB internship supervisor. The nature of the actual work and academic component will vary from internship to internship, and the details of each are determined through input from the internship company, supervisor, and student. The hours of credit are determined by the amount of work required.

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Department of Accounting

Major Offered
Accounting - Bachelor of Science
Minor Offered
Accounting

Certificates Offered
Accounting (Managerial Accounting)
Accounting (Treasury Management)
Accounting (Fraud Examination)

Departmental Information
The primary purpose of accounting is to measure and communicate financial information about profit and non-profit organizations to interested persons. Accounting professionals operate within a broad socioeconomic environment. Therefore, emphasis within the accounting program is placed upon a combination of conceptual knowledge and practical applications of accounting theory and concepts as they relate to satisfying the information needs of a disparate group of users. The wide selection of courses in the accounting department enables the student to become familiar with such fields as taxation, financial accounting, managerial accounting, auditing, and governmental/not-for-profit accounting. The Accounting Program prepares the student for entry level professional positions and provides the prerequisite courses for admission to graduate study. Students majoring in accounting are required to take a combination of business and accounting related courses, which enhance their knowledge of the various business functions. Courses in computer technology and information systems, business communication, data analytics, management, marketing, finance, business law, and economics are taken by all accounting majors. The Department also offers a minor in Accounting, and three certificate programs: Fraud Examination, Managerial Accounting, and Treasury Management.

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2026-2027 Accounting Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Eligibility to sit for the CPA exam in the state of Oklahoma requires the completion of a minimum of 120 hours of college credit including a bachelor's degree. Additionally, at least 24 of the 120 hours must consist of accounting courses above principles including one course of auditing or assurance. Educational requirements for licensure include a minimum of 150 hours of college credit including a bachelor's degree and a minimum of 30 hours of accounting above principles including one course of auditing or assurance. The total number of hours required for ECU's Bachelor of Science (BS) degree with a major in Accounting is 120. Upon completion of ECU's BS degree, students will meet the eligibility requirements to sit for the exam in the state of Oklahoma. ECU's Master of Science in Accounting (MSA) requires the completion of an additional 30 hours, including a minimum of 15 hours of graduate-level accounting courses. As such, MSA graduates will meet the educational requirements for licensure as set forth by the Oklahoma Accountancy Board.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting

BSEC 2603 Bus & Econ Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTB 3313 Principles of Marketing

Required in Accounting Major (33 Credit Hours)
ACCT 3203 Cost Accounting I
ACCT 3303 Intermediate Accounting I*
ACCT 3383 Federal Income Tax Accounting
ACCT 3403 Intermediate Accounting II
ACCT 3413 Business Ethics for Accountants*
ACCT 3843 Accounting Information Systems
ACCT 4303 Advanced Accounting
ACCT 4503 Auditing
BSEC 3103 Foundations of Data Analytics*

Six (6) additional upper-level accounting hours selected from the following:
ACCT 3423 Community Tax Preparations
ACCT 3453 Advanced Computer Acct. Applications
ACCT 3713 Governmental & Non-Profit Accounting
ACCT 4123 Skills for Accounting Research
ACCT 4203 Advanced Cost Accounting
ACCT 4353 Oil and Gas Accounting
ACCT 4453 Short-Term Financial Management
ACCT 4621-3 Internship in Accounting
ACCT 4981-4 Seminar in Accounting
ACCT 4991-4 Individual Study in Accounting

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

Other Requirements & Notations
Courses in the required core as well as those denoted with a * are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the 33 hours of courses with ACCT prefixes. Student majoring in Accounting must take at least 50 credit hours of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Accounting Major Check Sheet
2026-2027 Accounting Major 4-Year Plan

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2026-2027 Accounting Minor (18 Credit Hours)

Required Courses
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
ACCT 3203 Cost Accounting I
ACCT 3303 Intermediate Accounting I

In addition to the courses above, the student must complete six (6) hours of approved upper-division accounting courses.

2026-2027 Accounting Minor Check Sheet *(Contact Department)*

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2026-2027 Certificate in Managerial Accounting (21 Credit Hours)

Required Courses
ACCT 2203 Managerial Accounting
ACCT 3203 Cost Accounting
ACCT 3303 Intermediate Accounting I
FIN 3113 Financial Management
ACCT 4203 Advanced Cost Accounting

Elective Courses
Students will select two courses from the following:
ACCT 3413 Business Ethics for Accountants - OR - BUS 4213 Business Ethics
ACCT 3453 Advanced Computer Acct. Applications - OR - MIS 3453 Computer Business Applications

ACCT 4303 Advanced Accounting
ACCT 4503 Auditing
MGMT 3013 Principles of Management
MIS 3433 Management Information Systems
ECON 2013 Principles of Microeconomics
Students may also be permitted to include other upper level Accounting or Business Administration courses with preapproval from the department.

2026-2027 Certificate in Managerial Accounting Check Sheet

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2026-2027 Certificate in Treasury Management (18 Credit Hours)

Required Courses
ACCT 3303 Intermediate Accounting I
ACCT 4453 Short-Term Financial Management
ACCT 3413 Business Ethics for Accounting; OR
FIN 3113 Financial Management

Elective Courses
Students will select two courses from the following:
ACCT 3403 Intermediate Accounting II
ACCT 3453 Advanced Computer Acct Applications - OR - MIS 3453 Advanced Computer Business Applications
ACCT 3713 Governmental & Non-Profit Accounting
ACCT 3843 Accounting Information Systems
ACCT 4303 Advanced Accounting
BUSLW 3253 Business Law
MIS 3433 Management Information Systems
ECON 2013 Principles of Microeconomics
Students may also be permitted to include other upper level Accounting or Business Administration courses with preapproval from the department.

2026-2027 Certificate in Treasury Management Check Sheet

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2026-2027 Fraud Examination Certificate (18 Credit Hours)
The Fraud Examination Certificate is designed for those who are interested in pursuing specialized skills in the prevention, detection, and investigation of occupational fraud. This certificate equips students with advanced knowledge in fraud risk assessment and examination aimed at safeguarding businesses from the costly impacts of fraud. Students will gain the expertise needed to analyze complex financial transactions, understand investigative techniques and legal issues, resolve fraud allegations, and design effective anti-fraud programs.

Certificate Required Courses (9 hours):
ACCT 3413 - Business Ethics for Accountants (or) BUS 4213 - Business Ethics
ACCT 4103 - Fundamentals of Fraud Examination
BSEC 3103 - Foundations of Data Analytics

Elective Classes (9 hours):
In consultation with advisor, choose 3 courses (9 hours) from the list below:
ACCT 3303 - Intermediate Accounting I
ACCT 3403 - Intermediate Accounting II
ACCT 3713 - Governmental & Non-Profit Accounting
ACCT 3843 - Accounting Information Systems
BUSLW 3213 - Legal Environment of Business
MIS 3433 - Management Information Systems
MIS 3453 - Advanced Computer Business Applications
MGMT 3013 - Principles of Management
MGMT 3103 - Organizational Behavior

2026-2027 Certificate in Fraud Examination Check Sheet

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Department of Business Administration

Majors Offered
Business Administration (Entrepreneurship) - Bachelor of Science
Business Administration (Finance) - Bachelor of Science
Business Administration (Business Administration) - Bachelor of Science
Business Administration (Management) - Bachelor of Science
Business Administration (Marketing) - Bachelor of Science
Business Administration (Human Resource Management) - Bachelor of Science
Business Administration (Healthcare Management) - Bachelor of Science
Information Technology Management (Data Analytics) - Bachelor of Science
Information Technology Management (Information Systems) - Bachelor of Science
Minors Offered
Business Administration
Business Administration for Music Majors

Data Analytics
Entrepreneurship
Finance
Human Resources Management
Information Systems
Management
Marketing
Military Science
Project Management
Promotions Management

Certificates Offered
Entrepreneurship Certificate
Banking & Finance Certificate
Global Business Certificate
Human Resources Management Certificate
International Business Immersion Certificate
Leadership Certificate
Management Information Systems Certificate
Project Management/Management Certificate
Promotions Management Certificate
Real Estate Certificate

Departmental Information
The Department of Business Administration at East Central University offers programs leading to Bachelor of Science degrees in Business Administration and Information Technology Management. The Business Administration degree includes concentrations in Entrepreneurship, Finance, General Business/Business Administration, Marketing, Management, Human Resource Management, and Healthcare Management. The Information Technology Management degree includes concentrations in Information Systems and Data Analytics.

The department also offers a wide range of minors and certificate programs designed to support student career goals and professional development. Minors are available in areas such as Business Administration, Entrepreneurship, Finance, Human Resource Management, Information Systems, Management, Marketing, Data Analytics, Project Management, Promotions Management, Military Science, and others. Certificate programs include Banking & Finance, Entrepreneurship, Global Business, Human Resources Management, Management Information Systems, Project Management, Promotions Management, Real Estate, and International Business Immersion.

The Department of Business Administration prepares students for professional success by providing a strong foundation in business knowledge, analytical thinking, and leadership through engaged and applied learning. The department is committed to creating an interactive and dynamic learning environment where students actively participate in the learning process and develop the skills necessary to succeed in a rapidly changing and diverse global economy.

Aligned with its vision to be recognized for developing adaptable, career-ready graduates who contribute to the success of organizations and communities, the program emphasizes practical application, critical thinking, and leadership development. Small class sizes, dedicated faculty, and a strong real-world focus provide students with meaningful opportunities for engagement and personalized instruction.

Students complete primary general education and business core courses during the first two years, followed by concentration coursework in the final two years. The curriculum integrates traditional and innovative teaching approaches to ensure students gain a solid understanding of business principles, effective communication skills, proficiency in relevant technologies, and the ability to make sound, ethical decisions in a global business environment.

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2026-2027 Business Administration - Entrepreneurship - B.S. (120 Credit Hours)
The Entrepreneurship concentration provides learning opportunities to assist students in developing their skills to create and run successful companies. Topics include opportunity recognition, the entrepreneurial mindset, proof of concept, financial planning, building a brand, management and organization planning, and market planning using curriculum developed and supported by the Ewing Marion Kauffman Foundation. Students in the capstone class compete for cash prizes in the Oklahoma Love's Cup Competition. The 120 credit hours includes ECU's 40-hour general education program.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Entrepreneurship (30 Credit Hours)
BSEC 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics*
ENTR 3103 Introduction to Entrepreneurship
ENTR 4413 Business Planning & Strategy For Entrepreneurship
ENTR 4503 Venture Creation
FIN 4623 Applied Finance*

MGMT 3063 Production/Operations Management*
MIS 3453 Advanced Computer Bus Applications*
Choose 3 hours of Upper Level Finance
Choose 3 hours of Upper Level Marketing

Required Business Administration Electives (6 Credit Hours)
The student will select six (6) additional hours from Accounting, Business, Administration or Information Technology Management at the upper division level.

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

Electives
Students will select two to eight (2 to 8) additional credit hours in consultation with his/her major program advisor.

Special Requirements and Notation
Courses in the required core as well as those denoted with a "*" are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Major Program Check Sheet - Entrepreneurship Concentration
2026-2027 Major Program 4-year Plan - Entrepreneurship Concentration

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2026-2027 Business Administration - Finance - B.S. (120 Credit Hours)
The Finance concentration provides students with knowledge and practice in the application of methods and techniques used in all areas of finance. Basic underlying financial theories and concepts are examined in the core courses and are reinforced and expanded in the concentration courses. Concentration course topics include corporate finance, investments, financial institutions, insurance, personal financial planning, and real estate development. The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Finance (33 Credit Hours)
BSEC 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics*
FIN 3003 Financial Markets & Institutions
FIN 3223 Investment Analysis
FIN 3913 Principles of Insurance & Risk Management
FIN 4113 International Financial Management
FIN 4623 Applied Finance*
MGMT 3063 Production/Operations Management*

The student will select nine (9) hours from the following:
ACCT 3303 Intermediate Accounting I*
BSEC 4003 Advanced Data Analytics*
FIN 3013 Fundamentals of Financial Planning
FIN 3833 Commercial Bank Management
FIN 4103 Essentials of Banking & Finance
FIN 4263 Real Estate Development & Investment
ITM 3473 Data Visualization*
ITM 3613 Data Comm & Computer Networks*
MGMT 3043 Human Resource Management
MIS 3453 Advanced Computer Business Applications*
MKTG 3813 Professional Selling*

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

Electives
Students will select two to eight (2 to 8) additional credit hours in consultation with his/her major program advisor.

Special Requirements and Notation
Courses in the required core as well as those denoted with are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Student majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Major Program Check Sheet - Finance Concentration
2026-2027 Major Program 4-year Plan - Finance Concentration

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2026-2027 Business Administration - Business Administration - B.S. (120 Credit Hours)
The General Business concentration provides greater flexibility in developing a program tailored to the student's needs and objectives. Students take advanced courses from each of the other concentrations to gain a broad understanding of business. The 120 credit hours includes ECU's 40-hour general education program.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communications
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Business Administration (18 Credit Hours)
BSEC 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics*
ENTR 3103 Introduction to Entrepreneurship*
MGMT 3023 Project Management I*
MGMT 3203 Introduction to Leadership*
MGMT 3063 Production/Operations Management*

Required Business Administration Electives (18 Credit Hours)
Students will select eighteen (18) hours of Accounting, Business Administration or Information Technology Management upper-level courses.

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR MATH 1613 Functions & Modeling

Electives
Students will select two to eight (2 to 8) additional credit hours in consultation with their major program advisor.

Special Requirements and Notation
Courses in the required core as well as those denoted with a "*" are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Major Program Check Sheet - Business Admin Concentration
2026-2027 Major Program 4-year Plan - Business Admin Concentration

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2026-2027 Business Administration - Management - B.S. (120 Credit Hours)
The Management concentration provides students with the knowledge and professional skills for effective performance in both public and private sector organizations. Managerial skills for large and small businesses are addressed from both a theory and applications approach. The concentration requirements include electives from upper-level business courses to provide the student with the broad-based knowledge necessary in the profession. The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics

FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration of Management (27 Credit Hours)
BSEC 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics*
ENTR 3103 Introduction to Entrepreneurship
MGMT 3043 Human Resource Management
MGMT 3063 Production/Operations Management*
MGMT 3103 Organizational Behavior
MGMT 3203 Introduction to Leadership
MGMT 4623 Leadership
MIS 3453 Advanced Computer Business Applications*

Required Business Administration Electives (9 Credit Hours)
In consultation with their major program advisor, students will select nine (9) hours of Accounting, Business Administration or Information Technology Management at the upper division level.

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

Electives
In consultation with their major program advisor, students will select two to eight (2 to 8) additional credit hours of relevant coursework.

Special Requirements and Notation
Courses in the required core as well as those denoted with a * are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Major Program Check Sheet - Management Concentration
2026-2027 Major Program 4-year Plan - Management Concentration

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2026-2027 Business Administration - Marketing - B.S. (120 Credit Hours)
The Marketing concentration prepares students for careers in advertising and promotion, consumer and business-to-business marketing, sales, marketing research, or retailing. The courses required for marketing expose students to the major concepts, tools, and academics that are the foundation for the effective practice of modern marketing. In addition, the Marketing concentration provides a real-world focus and hands-on experience in the development and execution of marketing strategies and programs. The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Marketing (27 Credit Hours)
BUS 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics
ITM 3473 Data Visualization
MGMT 3063 Production/Operations Management*
MKTG 3113 Consumer Behavior
MKTG 3813 Professional Selling
MKTG 4413 Marketing Research

Choose two courses (6 credit hours) from the following courses:
BSEC 4003 Advanced Marketing Management
MKTG 3123 Event Management
MKTG 3423 Integrated Marketing Communication
MKTG 4113 Sports Marketing
MKTG 4123 Retail Management
MKTG 4223 Sales Management

Required Business Administration Electives (9 Credit Hours)
In consultation with their major program advisor, students will select nine (9) hours of upper level coursework from Accounting, Business Administration or Information Technology Management.

Related Work
BUCOM 2013 Professional Speaking
MATH 1613 Functions & Modeling - or - MATH 1513 College Algebra

Electives
In consultation with their major program advisor, students will select two to eight (2 to 8) additional credit hours of relevant coursework.

Special Requirements and Notation
Courses in the required core and also denoted with a * are considered related work for double majors, minors, and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirements.

2026-2027 Major Program Check Sheet - Marketing Concentration
2026-2027 Major Program 4-year Plan - Marketing Concentration

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2026-2027 Business Administration - Human Resource Management - B.S. (120 Credit Hours)
The Human Resource Management concentration within the B.S. in Business Administration prepares students for careers in HR by aligning coursework with Society for Human Resource Management (SHRM) standards. Students develop expertise in key areas such as recruitment, employee training, compensation, labor law, and leadership. This concentration equips graduates with the practical skills and knowledge needed to excel in HR roles across diverse industries.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Human Resource Management (30 Credit Hours)
BSEC 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics*
BUSLW 4253 Employment and Labor Law
MGMT 3043 Human Resource Management
MGMT 3063 Production/Operations Management*
MGMT 3103 Organizational Behavior
MGMT 4003 Recruitment, Selection, and Retention
MGMT 4313 Compensation and Benefits
MGMT 4323 Human Resource Training and Development
MGMT 4623 Leadership

Required Business Administration Electives
In consultation with their major program advisor, students will select three (3) hours of Accounting, Business Administration or Information Technology Management at the upper division level.

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra OR MATH 1613 Functions & Modeling

Electives
In consultation with their major program advisor, students will select five to fourteen (5 - 14) additional credit hours of relevant coursework.

Special Requirements and Notations
Courses in the required core as well as those denoted with a * are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Major Program Check Sheet - Human Resource Management Concentration
2026-2027 Major Program 4-year Plan - Human Resource Management Concentration

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2026-2027 Business Administration - Healthcare Management - B.S. (120 Credit Hours)
The Healthcare Management concentration within the B.S. in Business Administration prepares students for leadership roles in one of the fastest-growing global industries. The program combines core business principles with specialized courses in healthcare systems, finance, regulation, and operations. Graduates gain the skills to navigate the unique challenges of healthcare organizations and contribute to efficient, effective delivery of care.

Required Core Courses (42 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUS 4303 Business Strategy & Policy
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Healthcare Management (30 Credit Hours)
BSEC 3103 Foundations of Data Analytics*
BUS 4213 Business Ethics*
HMGMT 3003 Health Information Systems
HMGMT 3013 Introduction to Healthcare Management
HMGMT 4003 Financial Management in Healthcare
HMGMT 4013 Healthcare Regulatory Environment
MGMT 3043 Human Resource Management
MGMT 3063 Production/Operations Management*
MGMT 3103 Organizational Behavior
MGMT 3433 Introduction to Leadership

Required Business Administration Electives (6 Credit Hours)
In consultation with their major program advisor, students will select six (6) hours of Accounting, Business Administration or Information Technology Management at the upper division level.

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra OR MATH 1613 Functions & Modeling

Electives
In consultation with their major program advisor, students will select two to eight (2 - 8) additional credit hours of relevant coursework.

Special Requirements and Notations
Courses in the required core as well as those denoted with a * are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration). Students majoring in Business Administration must take at least 40 percent (48 credit hours) of their coursework in non-business courses. However, BUCOM 2013, BUCOM 3133, ECON 2003, ECON 2013, FIN 1113 and MIS 1903 will be considered non-business courses for this requirement.

2026-2027 Major Program Check Sheet - Healthcare Management Concentration
2026-2027 Major Program 4-year Plan - Healthcare Management Concentration

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2026-2027 Information Technology Management - Data Analytics - B.S. (120 Credit Hours)
The Data Analytics concentration prepares students for careers that use computer and information skills to analyze data for business decisions. The curriculum integrates the knowledge of basic business courses in accounting, finance, marketing, management, information technology, with data analytics. The graduate will be able to function in the corporate environment, small business sector, or research areas. The 120 credit hours includes ECU's 40-hour general education program.

Required Core Courses (45 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communication
BUS 1113 Foundations of Business
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
ITM 4653 Database Theory and Applications
ITM 4753 Software Dev & Team Dynamics
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Data Analytics (30 Credit Hours)
BSEC 3103 Foundations in Data Analytics*
BSEC 4003 Advanced Data Analytics*
BUS 4213 Business Ethics*
CMPSC 1113 Computer Programming I
ITM 3473 Data Visualization
MGMT 3023 Project Management I*
MIS 3453 Advanced Computer Business Applications*

In consultation with their program advisor, students will select nine (9) hours from the following:
FIN 3223 Investment Analysis
FIN 4626 Applied Finance
ITM 3423 Web Development
ITM 3613 Data Comm & Computer Networks
ITM 3823 Cybersecurity
ITM 3843 Cloud Management
MKTG 4413 Marketing Research
MKTG 4623 Marketing Analytics & Strategy

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

Electives
In consultation with their major program advisor, students will select five to fourteen (5 – 14) two to eight (2 - 8) additional hours of relevant coursework.

Special Requirements and Notation
Courses in the required core as well as those denoted with a "*" are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration).

2026-2027 Major Program Check Sheet - Data Analytics Concentration
2026-2027 Major Program 4-year Plan - Data Analytics Concentration

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2026-2027 Information Technology Management - Information Systems - B.S. (120 Credit Hours)
The Information Systems concentration prepares students for careers that apply computer knowledge and information technology to the business environment. The curriculum integrates the knowledge of basic business courses in accounting, finance, marketing, and management with information technology. The IS graduate will be able to function in the corporate environment or in the small business sector. The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (45 Credit Hours)
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
BSEC 2603 Business & Economic Statistics
BUCOM 3133 Written Business Communications
BUS 1113 Foundations of Business
BUSLW 3213 The Legal Environment of Business
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
FIN 3113 Financial Management
ITM 4653 Database Theory and Applications
ITM 4753 Software Dev & Team Dynamics
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MKTG 3313 Principles of Marketing

Required for Concentration in Information Systems (30 Credit Hours)
BSEC 3103 Foundation of Data Analytics*
BUS 4213 Business Ethics*
CMPSC 1113 Computer Programming I
ITM 3423 Web Development
ITM 3473 Data Visualization
ITM 3613 Data Comm & Computer Networks
ITM 3823 Cybersecurity
ITM 3843 Cloud Management
MGMT 3023 Project Management I*
MIS 3453 Advanced Computer Business Applications*

Related Work
BUCOM 2013 Professional Speaking
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling

Electives

In consultation with their major program advisor, students will select five to fourteen (5 - 14) additional hours of relevant coursework.

Special Requirements and Notation
Courses in the required core as well as those denoted with a "*" are considered related work for double majors, minors and certificates in the Stonecipher School of Business. For graduation, a minimum grade point average of 2.25 is required in the core courses (excludes courses required for area of concentration).

2026-2027 Major Program Check Sheet - Information Systems Concentration
2026-2027 Major Program 4-year Plan - Information Systems Concentration

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2026-2027 Minor in Business Administration (18 Credit Hours)

Required Courses
ACCT 2103 Financial Accounting
BUS 1113 Foundations of Business - must be completed prior to 60 hours earned
ECON 2003 Principles of Macroeconomics
MGMT 3013 Principles of Management
MKTG 3313 Principles of Marketing

Electives
Students will select an additional three (3) hours from Accounting, Business Administration, or Information Technology Management upper-level courses.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Business Administration Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Business Administration for Music Majors (18 Credit Hours)

Required Courses
Select one of the following:
ACCT 2103 Financial Accounting
BUS 1113 Foundations of Business - must be completed prior to 60 hours earned

Complete each of the following:
MGMT 3013 Principles of Management
MIS 1903 Computer Business Applications
MKTG 3313 Principles of Marketing
MKTG 3333 Digital Marketing

Electives
Students will select an additional three (3) hours from Accounting, Business Administration, or Information Technology Management upper-level courses.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Business Admin. for Music Majors Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Data Analytics (18 Credit Hours)

Required Courses
BSEC 2603 Business & Economic Statistics
BSEC 3103 Foundations of Data Analytics
ITM 3473 Data Visualization
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems

Electives
Students will select three (3) additional hours from upper level courses in Business Administration, Information Technology Management or Computer Science.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Data Analytics Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Entrepreneurship (18 Credit Hours)

Required Courses
ENTR 3103 Introduction to Entrepreneurship - or - ENTR 4503 Venture Creation
ENTR 4413 Business Planning & Strategy for Entrepreneurship
MGMT 3013 Principles of Management
MKTG 3313 Principles of Marketing

Electives
Students will select six (6) hours from Accounting, Business Administration, or Information Technology Management upper-level courses.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Entrepreneurship Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Finance (18 Credit Hours)

Required Courses
ACCT 2103 Financial Accounting
BSEC 2603 Business & Economic Statistics
ECON 2003 Principles of Macroeconomics
FIN 3113 Financial Management

Electives
In consultation with their advisor, students will select six (6) hours of upper level finance courses.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Finance Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Human Resources Management (18 Credit Hours)

Required Courses
BUSLW 4253 Employment & Labor Law
MGMT 3013 Principles of Management
MGMT 3043 Human Resources Management
MGMT 3103 Organizational Behavior
MGMT 4313 Compensation & Benefits
MGMT 4232 Human Resources Training & Development

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Human Resources Management Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Information Systems (18 Credit Hours)

Required Courses
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems

Students will select 12 hours from the following:
ACCT 2103 Financial Accounting
BSEC 3103 Foundations of Data Analytics
ENTR 3103 Introduction to Entrepreneurship
ITM 3423 Web Development
ITM 3473 Data Visualization
ITM 3613 Data Communications & Computer Networks
ITM 3823 Cybersecurity
ITM 3843 Cloud Management
ITM 4653 Data Base Theory & Applications
ITM 4753 Software Development & Team Dynamics
MGMT 3013 Principles of Management
MGMT 3023 Project Management I
MIS 3453 Advanced Computer Business Applications

Special Requirements

At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Information Systems Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Management (18 Credit Hours)

Required Courses
MGMT 3013 Principles of Management

Student will select nine (9) hours from the following:
ENTR 3013 Introduction to Entrepreneurship
MGMT 3043 Human Resources Management
MGMT 3063 Production/Operations Management
MGMT 3103 Organizational Behavior
MGMT 4623 Leadership

Electives
Students will select six (6) hours of upper level Accounting, Business Administration, or Information Technology Management upper-level coursework.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Management Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Marketing (18 Credit Hours)

Required Courses
MKTG 3313 Principles of Marketing

Student will select nine (9) from the following:
MKTG 3113 Consumer Behavior
MKTG 3213 Event Marketing
MKTG 3423 Integrated Marketing Communications
MKTG 3813 Professional Selling
MKTG 4113 Sports Marketing
MKTG 4213 Retail Management
MKTG 4413 Marketing Research

Electives
Students will select six hours of upper level Accounting, Business Administration, or Information Technology Management upper-level courses.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Marketing Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Military Science (20 Credit Hours)

Required Courses
MS 1000 Military Science Leadership Lab - must be completed each semester
MS 1313 Intro to Military Leadership and Personal Development
MS 2122 Foundations of Leadership
MS 3422 Foundations of Tactical Leadership
MS 3315 Military Leadership & Management
MS 3325 Military Tactics & Operations

Students will select three (3) hours from the following:
HIST 3133 Contemporary American History
HIST 4713 Civil War & Reconstruction in the United States
PS 4353 Study of War

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Military Science Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Project Management (18 Credit Hours)

Required Courses
ACCT 2103 Financial Accounting
MGMT 3013 Principles of Management
MGMT 3023 Project Management I
MGMT 4013 Project Management II

Electives
Students will select six (6) hours of upper level Business Administration, Information Technology Management or Computer Science coursework.

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Project Management Minor Check Sheet *(Contact Department)*

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2026-2027 Minor in Promotions Management (18 Credit Hours)

Required Courses
MGMT 3013 Principles of Management
MGMT 4623 Leadership
MKTG 3313 Principles of Marketing
MKTG 3423 Integrated Marketing Communications

Students will select six (6) hours from the following:
MCOM 3343 Digital Publishing; OR
MCOM 3843 Advertising Copy & Layout
MCOM 3893 Public Relations
MCOM 4813 Public Relations Writing

Special Requirements
At least three (3) hours of upper division coursework from ECU must be applied toward the minor.

2026-2027 Promotions Management Minor Check Sheet *(Contact Department)*

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2026-2027 Entrepreneurship Certificate (24 Credit Hours)

Required Courses
ACCT 2103 Financial Accounting
ENTR 3103 Introduction to Entrepreneurship
ENTR 4413 Business Planning & Strategy for Entrepreneurship; OR
MGMT 3013 Principles of Management
MKTG 3313 Principles of Marketing

Electives
Students will select an additional nine (9) hours from Accounting, Business Administration, or Information Technology Management upper-level courses.

2026-2027 Entrepreneurship Certificate Check Sheet

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2026-2027 Banking & Finance Certificate (21 Credit Hours)

Required Courses
ACCT 2103 Financial Accounting
BSEC 2603 Business & Economic Statistics
FIN 3113 Financial Management
FIN 4103 Essentials of Banking & Finance (spring semester only)

Electives
Students will select nine (9) credit hours from the following:
ACCT 3453 Advanced Computer Accounting Applications
ECON 2003 Principles of Macroeconomics
FIN 3833 Commercial Bank Management
FIN 3913 Principles of Insurance & Risk Management
FIN 4263 Real Estate Development & Investment
MGMT 3013 Principles of Management
MGMT 3043 Human Resources Management
MIS 3433 Management Information Systems
MIS 3453 Advanced Computer Business Applications
MKTG 3313 Principles of Marketing

MKTG 3813 Professional Selling

2026-2027 Banking & Finance Certificate Check Sheet

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2026-2027 Global Business Certificate (18 Credit Hours)

Required Courses
BUS 1113 Foundations of Business
BUS 4103 Global Business*
MGMT 3013 Principles of Management
MKTG 3313 Principles of Marketing

Electives
Students will select an additional six (6) hours of U.S. Equivalent Credit from the host institution.

2026-2027 Global Business Certificate Check Sheet

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2026-2027 Human Resources Management Certificate (24 Credit Hours)

Required Courses
BUSLW 4253 Employment & Labor Law
MGMT 3013 Principles of Management
MGMT 3043 Human Resources Management
MGMT 4003 Recruitment, Selection, and Retention
MGMT 4313 Compensation & Benefits
MGMT 4323 Human Resources Development

Electives
Students will select two courses (6 credit hours) from the following:
BUS 4213 Business Ethics
ENTR 4413 Business Planning & Strategy for Entrepreneurs
MGMT 3433 Introduction to Leadership
MGMT 4623 Leadership
MIS 3453 Advanced Computer Business Applications
MKTG 3313 Principles of Marketing

2026-2027 Human Resources Management Certificate Check Sheet

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2026-2027 Leadership Certificate (12 Credit Hours)
The Leadership Certificate is open to students of all majors who wish to enhance their leadership skills and understanding of organizational dynamics. The program provides a foundation in management principles, organizational behavior, and leadership techniques. Students will learn to effectively lead teams, communicate strategically, and address challenges in various organizational contexts. Through a combination of coursework and practical application, participants will be equipped to assume leadership roles across diverse industries. This certificate is ideal for those looking to develop essential skills that will help them stand out in their future careers.

Required Courses

MGMT 3013 Principles of Management
MGMT 3103 Organizational Behavior
MGMT 3203 Introduction to Leadership
MGMT 4623 Leadership

2026-2027 Leadership Certificate Check Sheet

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2026-2027 Management Information Systems Certificate (24 Credit Hours)

Required Courses
MGMT 3023 Project Management I
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems
MIS 4653 Data BAse Theory & Application - OR - CMPSC 4213 Data Base Design
MIS 4753 MIS Development Project - OR - CMPSC 3943 Software Design & Development
CMPSC 1113 Computer Programming I

Electives

Students will select an additional six (6) hours from Accounting, Business Administration, or Information Technology Management upper-level courses.

2026-2027 Management Information Systems Certificate Check Sheet

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2026-2027 Project Management/Management Certificate (21 Credit Hours)

Required Regular Courses
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
MGMT 3013 Principles of Management
MGMT 3023 Project Management I
MGMT 4013 Project Management II

Electives
Student will select an additional six (6) hours from Accounting, Business Administration, or Information Technology Management upper-level courses.

2026-2027 Project Management/Management Certificate Check Sheet

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2026-2027 Promotions Management Certificate (24 Credit Hours)

Required Courses
MCOM 3343 Imaging for Media
MCOM 3053 Social Media Management
MCOM 3893 Public Relations
MGMT 3013 Principles of Management
MKTG 3313 Principles of Marketing
MKTG 3423 Integrated Marketing Communications

Electives
Students will select an additional six (6) hours from Accounting, Business Administration, Information Technology Management, or MCOM upper-level courses.

2026-2027 Promotions Management Certificate Check Sheet

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2026-2027 Real Estate Certificate (15 Credit Hours)

Required Courses
FIN 3123 Principles of Real Estate
FIN 4263 Real Estate Development and Investment
MKTG 3813 Professional Selling
BUSLW 3213 Legal Environment of Business; OR
LS 4183 Real Estate Law

Elective Courses
In consultation with your advisor, choose any three hours of upper-level Accounting, Business Administration, or Information Technology coursework.

2026-2027 Real Estate Certificate Check Sheet

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2026-2027 International Business Immersion Certificate (12 Credit Hours)

Required Courses
BUS 1113 Foundations of Business
ENTR 3103 Introduction to Entrepreneurship

Select ONE of the following:
MGMT 3013 Principles of Management
MKTG 3313 Principles of Marketing
BUS 4613 International Business Consulting (Program Fee Required)

Notes:
The International Business Immersion Certificate includes an international travel component as part of BUS 4613 International Business Consulting. Students should plan for required international travel, which may involve additional costs, time commitments, and eligibility requirements beyond standard tuition and fees. Participation in international travel is subject to university policies, including academic, conduct, health, and risk management requirements. Students are encouraged to consult with an academic advisor early to discuss program expectations, travel readiness, financial planning, and course sequencing.

Students must meet all course prerequisites and university certificate requirements.

2026-2027 International Business Immersion Certificate Check Sheet

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2026-2027 COLLEGE OF HEALTH & SCIENCES

2026-2027 College of Health & Sciences
Kenneth D. Andrews, Dean

Department of Biology & Environmental Science
Department of Physical Sciences
Department of Mathematics & Computer Science
School of Nursing

2026-2027 Biology (BIOL) Courses
2026-2027 Chemistry (CHEM) Courses
2026-2027 Computer Science (CMPSC) Courses
2026-2027 Computer Science Mathematics (CPSMA)
2026-2027 Environmental Health Science (EHS) Courses
2026-2027 Geographic Information Systems (GIS) Courses
2026-2027 Mathematics (MATH) Courses
2026-2027 Medical Technology (MEDTE) Courses
2026-2027 Nursing (NRSG) Courses
2026-2027 Physics (PHYS) Courses
2026-2027 Teach Bio. & Physical Sci (B/C/P) Courses

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Department of Biological & Environmental Sciences

*****Content shown below for the Department of Biological & Environmental Sciences is for the prior catalog year (2025-2026). The department did not submit updates in time for the 2026-2027 catalog.*****

Majors Offered
Biology (General) - Bachelor of Science
Biology (Ecology) - Bachelor of Science
Biology (Health Sciences) - Bachelor of Science
Biology (Medical Laboratory Scientist) - Bachelor of Science
Biology (Molecular Biology) - Bachelor of Science
Biology (Teacher Certification) - Bachelor of Science
Env. Health Science - Bachelor of Science
Env. Health Science - (Env. Mgmt. & Nat. Resource) - Bachelor of Science
Env. Health Science (Public Health) - Bachelor of Science

Minors Offered
Biology
Environmental Health Science
Public Health
Environmental Management & Natural Resources

Certificates Offered
Certificate in Geographic Information Systems (G.I.S.)

Departmental Information
The Department of Biological & Environmental Sciences provides undergraduate training for students interested in the life sciences who may wish to pursue careers in this area. Biological & Environmental Sciences is a continually expanding discipline with a variety of career opportunities. The faculty and facilities of the Department permit the investigation of Biological & Environmental Sciences at the subcellular, cellular, organismal, population, and community level. Courses taught in the Department emphasize scientific principles and concepts that aid in understanding structure, function and behavior of individual organisms, and how individual organisms interact within the natural environment. Several scholarships are available to qualified students. Departmental scholarships include the Thomas J. McKnight Biology Scholarship, the Carlock Scholarship, the Dr. Gunar Naib Bohan Scholarship, the Dr. James Clark Scholarship, the Dr. Terry Cluck Tri-Beta Scholarship, the Dr. Bill and Sondra Cole Biology Scholarship, the Delta Dental Pre-Dental Scholarship, the J.G. Duckett Pre-Med Scholarship, the Dr. Benny and Rita Edwards Scholarship, the Karla Kinkead Elizarde Clinical Lab Science Scholarship, the Francisco-Hatchett Scholarship, the Shana Hackworth/Heather Marco Memorial Scholarship, the Don Noble and Elmer Brown Biology Scholarship, the Dr. Carl Osborn Memorial Scholarship, the Harvey Price Memorial Scholarship, the Dr. Raniyah Ramadan Scholarship, the Ramsay Pre-Med Scholarship, the Anita J. and W. Dean Robinson Scholarship, the Watson Family Science Scholarship and the Fred and Mary Pfeffer Scholarship. Other scholarships are available through the Academic Scholarship Program and the East Central University Foundation. For students who plan to teach, there are scholarships available through the College of Education and Psychology.

There are several clubs and societies available for Biological & Environmental Sciences students. The ones currently active are the Tri-Beta Club, the Pre-Health Professions Club, the Society for Wildlife and Ecological Biologists, and the EHS Club and Epsilon Nu Eta.

Biology Degree Program
The Bachelor of Science in Biology degree program offers majors in six bachelor degree concentrations. A Bachelor of Science is designed for students who plan to become practicing biologists in industry or government, or plan to pursue a graduate degree in biology. This degree concentration is usually chosen by those students who need pre-professional training before entering the schools of medicine, dentistry, veterinary medicine, other health-related professional schools, or those seeking a career in biomedical, ecological or other biological field research. In addition to the broad Bachelors or Science in Biology umbrella degree, the department offers specialized training by following the degree concentrations listed below.

Ecology Concentration
A Bachelor of Science in Ecology prepares students to apply for advanced degree or to work in government and/or nonprofit organizations along with conservation of natural resources.

Health Science Concentration
A Bachelor of Science in Health Sciences is offered for students applying for further training in the health professions such as medical school, physicians associates/assistant, dental and veterinary medicine.

Medical Laboratory Science Concentration
A Bachelor of Science for Medical Laboratory Science prepares students to conduct and supervise complex medical tests, apply for Medical Laboratory Scientist certification, and work in accredited medical laboratories; manage clinical laboratories; and consult with physicians and clinical researchers on diagnoses, disease causation and spread, and research outcomes. This degree concentration requires three years of prescribed study on campus followed by a year of clinical training in an approved hospital or School of Clinical Laboratory Science.

This concentration requires a minimum of ninety-four semester hours credit of prescribed study on the campus, followed by a clinical component (30 hours) which consists of a year of approved professional training in Clinical Laboratory Science. The professional training must be done in a school of clinical laboratory science approved by the University and by the Oklahoma Consortium of Clinical Laboratory Science Affiliates.

Requirements for admission to the clinical component of medical laboratory science:
1.) Complete the general education requirements.

2.) Complete prescribed science and math courses or equivalent courses.

3.) Complete a sufficient number of approved electives to complete the minimum requirement of ninety-four semester hours.

4.) Grade average must be a 2.5 or better overall and in the specific work in science and math.

5.) Ten semester hours of the ninety-four must be done in upper division courses (3000 and 4000 level).

Attainment of the requirements above does not guarantee admission to the clinical component of the program. The number of applicants placed is based on the number of applicants accepted by affiliated Schools of Clinical Laboratory Science.

Molecular Biology Concentration
The Bachelor of Science for Molecular Biology prepares students for graduate research and/or employment in the rapidly growing fields of biotechnology, agribusiness, industry, law enforcement, and molecular biology.

Teaching Certification Concentration
A Bachelor of Science for Teacher Certification gives a prospective science teacher an appropriate academic background in biology and in the methods of teaching.

Environmental Health Science Program
The Bachelor of Science in Environmental Health Science (EHS) provides graduates with the interdisciplinary education needed for professional careers in areas such as: hazardous materials management, environmental program planning, industrial food safety, disease vector control, occupational safety and health, and water resources management. Environmental Health Sciences program graduates have been selected for professional positions in public health departments, private industries, state and federal environmental agencies, the United States Public Health Service Commissioned Corps and in private environmental consulting firms. In addition, the program prepares EHS majors for graduate study in a wide variety of disciplines.

The EHS program is one of 31 baccalaureate programs accredited by the National Environmental Health Science and Protection Accreditation Council and has maintained accreditation since 1975. EHS majors must complete a total of 55 hours of core courses in environmental health and environmental science which includes a supervised, professional internship at an approved site. The internship provides students with an opportunity to integrate their academic preparation with actual work experiences. EHS majors must also complete supporting courses in biology, chemistry, physics, and mathematics. A minor is advised, but not required.

In addition to the larger EHAC accredited umbrella degree of the Bachelor of Science in Environmental Health Science, the department also offers accredited programs in the specialized degree concentrations including the Bachelor of Science in EHS for Environmental Management and Natural Resources, and a Bachelor of Science in EHS for Public Health as described below.

Public Health Concentration
The Bachelor of Science in Public Health prepares students for careers in health departments as public health/wellness professionals, epidemiologists, institutional wellness consultants or use the degree to apply to health professional schools such as medical school or graduate school in Public Health.

Environmental Management and Natural Resources Concentration
A Bachelor of Science in Environmental Management and Natural Resources prepares students for work in forestry, park rangers, environmental protection, policy and regulation.

Certificate in Geographic Information Systems (G.I.S.) Program
The Geographic Information Systems certificate program at East Central University aims to cultivate expertise in utilizing spatial software within real-world contexts. Courses are offered in both traditional and electronic modalities optimized for working adults. Graduates of this program will emerge equipped with a diverse skill set, ready to enter the wordforce armed with a valuable portfolio of spatial skills and practical experience. Program participants have access to fieldwork equipment, including GPS devices, drones, and surveying tools and dedicated GIS scholarship opportunities. Students receive strong academic support, with advisors and support staff assisting with program enrollment, course selection, and career guidance.

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The 120 credit hours includes ECU's 40 hour general education program.

Required Biology Core (20 Credit Hours)
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 3434 Genetics
BIOL 4883 Biology Senior Seminar

Select one of the following:
BIOL 3514 General Physiology; OR

BIOL 3634 Human Physiology

Required for Biology/General Concentration (11 Credit Hours)
BIOL 2344 Microbiology
BIOL 4313 Cell and Molecular Biology
BIOL 4414 General Ecology

Required Electives (16 Credit Hours)
Sixteen (16) hours of elective biology with minimum of 11 hours in 3000-4000 level courses (NOT BIOL 4473 or BIOL 4713).

Recommended Related Electives
CHEM 4114 Organic Chemistry II
CHEM 4213 Biochemistry
CHEM 4221 Biochemistry Lab
BIOL 3703 Biostatistics

Required Related Work (23-25 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
PHYS 1114 General Physics I
PHYS 1214 General Physics II

Select one of the following:
MATH 1513 College Algebra*; OR
MATH 2825 Calculus & Analytic Geometry I

General Electives (21-23 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not be counted in this major.
Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelor's degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

** With Department approval, students may omit MATH 1513 and replace with MATH 2825.*

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The 120 credit hours includes ECU's 40 hour general education program.

Required Biology Core (20 Credit Hours)
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 3434 Genetics
BIOL 4883 Biology Senior Seminar

Select one of the following:
BIOL 3514 General Physiology; OR
BIOL 3634 Human Physiology

Required for Ecology Concentration (13 Credit Hours)
BIOL 3703 Biostatistics
BIO 4123 Evolution
BIOL 4414 General Ecology
BIOL 4983 Research Experience

Required Electives (16 Credit Hours)
Choose from the following:
BIOL 1214 Botany
BIOL 2103 Horticulture
BIOL 2344 Microbiology
BIOL 3034 Medical Botany
BIOL 3134 Field Zoology
BIOL 3143 Ethnobotany
BIOL 3214 Field Ornithology
BIOL 3234 General Entomology
BIOL 3245 Comparative Vertebrate Anatomy
BIOL 3254 Medical Entomology
BIOL 3314 Mammalogy
BIOL 3324 Herpetology
BIOL 3524 Mycology
BIOL 3674 Plant Ecophysiology
BIOL 3934 Limnology
BIOL 4113 Vertebrate Embryology
BIOL 4614 Animal Parasitology
GEOG 1214 Earth Science
GIS 2253 Initial Concepts in GIS

GIS 3613 Digital Mapping
GIS 3953 Spatial Analysis
GIS 4953 Automating GIS Workflows

Required Related Work (23-25 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
PHYS 1114 General Physics I
PHYS 1214 General Physics II

Choose one of the following:
MATH 1513 College Algebra*; OR
MATH 2825 Calculus & Analytical Geometry I

General Electives (19-21 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not be counted in this major.
** With Department approval, students may omit MATH 1513 and replace with MATH 2825.*

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2025-2026 Biology/Health Science - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Biology Core (20 Credit Hours)
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 3434 Genetics
BIOL 4883 Biology Senior Seminar

Select one of the following:
BIOL 3514 General Physiology; OR
BIOL 3634 Human Physiology

Required for Health Science Concentration (15-17 Credit Hours)
BIOL 2344 General Microbiology
BIOL 4313 Cell and Molecular Biology

Select one of the following:
BIOL 2184 Human Anatomy; OR
BIOL 3245 Comparative Verterbrate Anatomy

Select one of the following:
BIOL 4414 General Ecology; OR
BIOL 4545 Advanced Molecular Biology

Required Electives (9-12 Credit Hours)
Select three of the following:
BIOL 2113 Medical Terminology
BIOL 3013 Research Methods and Bioethics
BIOL 3034 Medical Botany
BIOL 3254 Medical Entomology
BIOL 3623 Biochemistry of Human Disease
BIOL 3654 Histology
BIOL 3683 Immunology
BIOL 4113 Vertebrate Embryology
BIOL 4553 Pathogenic Microbiology

Required Related Work (29-32 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
PHYS 1114 General Physics I
PHYS 1214 General Physics II
PSYCH 1113 General Psychology

Select one of the following:
MATH 1513 College Algebra*; OR
MATH 2825 Calculus & Analytic Geometry I

Select one of the following:
EHS 3703 Biostatistics & Envir. Calculations
MATH 1223 Intro. to Probability & Statistics
PSYCH 3833 Behavioral Science Statistics
SOC 3833 Statistics for Social Sciences

General Electives (15-20 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.
** With Department approval, students may omit MATH 1513 and replace with MATH 2825.*

Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

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The 120 credit hours includes ECU's 40 hour general education program.

Required Biology Core (20 Credit Hours)
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 3434 Genetics
BIOL 4883 Biology Senior Seminar

Select one of the following:
BIOL 3514 General Physiology; OR
BIOL 3634 Human Physiology

Required for Medical Lab Scientist Concentration (41-42 Credit Hours)
BIOL 2344 Microbiology
BIOL 3683 Immunology
BIOL 4881 Senior Seminar
MEDTE 4117 Clinical Microbiology
MEDTE 4125 Clinical Chemistry I
MEDTE 4236 Clinical Hematology
MEDTE 4246 Clinical Immunology
MEDTE 4325 Clinical Chemistry II
MEDTE 4351 Topics in Med Tech

Select one of the following:
BIOL 2184 Human Anatomy; OR
BIOL 3245 Comparative Vertebrate Anatomy

Required Related Work (19-21 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
CHEM 4213 Biochemistry
CHEM 4221 Biochemistry Lab

Select one of the following:
MATH 1513 College Algebra*; OR
MATH 2825 Calculus & Analytic Geometry I

General Electives (10-13 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.
Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelor's degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

** With Department approval, students may omit MATH 1513 and replace with MATH 2825.*

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The 120 credit hours includes ECU's 40 hour general education program.

Required Biology Core (20 Credit Hours)
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 3434 Genetics
BIOL 4883 Biology Senior Seminar

Select one of the following:
BIOL 3514 General Physiology; OR
BIOL 3634 Human Physiology

Required for Molecular Biology Concentration (19-20 Credit Hours)

BIOL 2344 General Microbiology
BIOL 3013 Research Methods & Bioethics
BIOL 4313 Cell & Molecular Biology
BIOL 4545 Advanced Molecular Biology
BIOL 4881 Senior Seminar

Select one of the following:
BIOL 2184 Human Anatomy
BIOL 3245 Comparative Vertebrate Anatomy

Required Electives (9 Credit Hours)
Select nine (9) credit hours of the following:
BIOL 2243 Intro. to Biotechnology
BIOL 2773 Forensic Biology
BIOL 3553 Genomics & Bio-informatics
BIOL 3623 Biochemistry of Human Disease
BIOL 3683 Immunology
BIOL 4763 Biochemical Genetics
BIOL 4981-4 Seminar in Biology

Related Work (33-35 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
CHEM 4213 Biochemistry
CHEM 4221 Biochemistry Lab
PHYS 1114 General Physics
PHYS 1214 General Physics II
MATH 1513 College Algebra

Select one of the following:
MATH 2825 Calculus & Analytics Geometry; OR
MATH 2613 Calculus for Bus, Life & Social Sciences

Select one of the following:
EHS 3703 Biostatistics & Environmental Calc.
MATH 1223 Intro. to Probability & Statistics
PSYCH 3833 Behavioral Science Statistics
SOC 3833 Statistics for Social Sciences

General Electives (9-12 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.
With Department approval, students may omit MATH 1513 and replace with MATH 2825.
No minor program is required for this major.

Students interested in the 3+1 degree program (ECU and OSUCOM) can apply for early admission to the OSU College of Osteopathic Medicine and earn an ECU bachelors degree in biology by completing the first year of medical school at OSUCOM (D.O. Degree). Complete information on this program can be obtained from the Department of Biological and Environmental Sciences.

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The 120 credit hours includes ECU's 40 hour general education program.

Required Biology Core (20 Credit Hours)
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 3434 Genetics
BIOL 4883 Biology Senior Seminar

Select one of the following:
BIOL 3514 General Physiology; OR
BIOL 3634 Human Physiology

Required for Teacher Certification Concentration (11-12 Credit Hours)
B/C/P 4113 Method Teaching BIOL/PHYS/SCI
BIOL 4414 General Ecology

Select one of the following:
BIOL 2184 Human Anatomy; OR
BIOL 3245 Comparative Vertebrate Anatomy

Required Related Work (36-38 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
COMM 1113 Fund. of Human Communication
PHYS 1114 General Physics I

PHYS 1214 General Physics II
PHYS 1314 Astronomy
PSYCH 1113 General Psychology

Select one of the following:
MATH 1513 College Algebra*; OR
MATH 2825 Calculus & Analytic Geometry I

Select one of the following:
CHEM 1314 General Organic & Biochemistry
CHEM 3114 Organic Chemistry I
CHEM 3214 Quantitative Analysis I; AND
Three (3) additional hours of earth science electives.

Minor
Professional education is used as a minor (30 hours). For further details consult major program advisor.

General Electives (0-1 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not be counted in this major. A minor program is not required for this major.
*With Department approval, students may omit MATH 1513 and replace with MATH 2825.

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The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (29 Credit Hours)
EHS 1114 Introduction to Environmental Health Science
GIS 2253 Initial Concepts in GIS
EHS 3114 Epidemiology
EHS 3153 Policy and Practices in Environmental Health
EHS 3553 Environmental Contaminants
EHS 3703 Biostatistics
EHS 3803 Toxicoloogy and Waste Management
EHS 4703 Consumer Risk and Protection
EHS 4943 Field Experience in Environmental Health

Required Electives (Technical Areas; 11 Credit Hours)
Eleven (11) hours of elective 3000/4000 level coursework in EHS, BIOL or GIS. No more than 3 hours of credit in EHS 4991-4 may be used to meet the 11-hour requirement.

Required Related Work (30 Credit Hours)
CHEM 1114 General Chemistry I
CMPSC 1513 Computer Literacy
MATH 1513 College Algebra
BIOL 1114 General Biology
BIOL 2334 General Microbiology
CHEM 1214 General Chemistry II
CHEM 1314 General Organic & Biochemistry; OR
CHEM 3114 Organic Chemistry I
PHYS 1114 General Physics I

General Electives (22 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

* A minor program is not required for this major.

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The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (29 Credit Hours)
EHS 1114 Introduction to Environmental Health Science
GIS 2253 Initial Concepts in GIS
EHS 3114 Epidemiology
EHS 3153 Policy and Practices in Environmental Health
EHS 3553 Environmental Contaminants
EHS 3703 Biostatistics
EHS 3803 Toxicology and Waste Management
EHS 4703 Consumer Risk and Protection
EHS 4943 Field Experience in Environmental Health

Required for Environ & Nat. Res. Concentration (3 Credit Hours)
EHS 3543 Water Resources

Required Electives (Technical Areas; 6 Credit Hours)
Six (6) hours elective 3000/4000 level coursework in EHS, BIOL or GIS. No More than three (3) hours of credit in EHS 4991-4 may be used to meet the six (6) hour requirement.

Related Work (38 Credit Hours)
CHEM 1114 General Chemistry I
CMPSC 1513 Computer Literacy
MATH 1513 College Algebra
BIOL 1114 General Biology I
BIOL 1134 General Biology II
BIOL 2344 General Microbiology
CHEM 1214 General Chemistry II
PHYS 1114 General Physics I

Select one of the following:
BIOL 3934 Limnology; OR
BIOL 4414 Ecology

Select one of the following:
CHEM 1314 General Organic & Biochemistry; OR
CHEM 3114 Organic Chemistry

General Electives (16 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

* A minor program is not required for this major.

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The 120 credit hours includes ECU's 40 hour general education program.

Required Core Courses (29 Credit Hours)
EHS 1114 Introduction to Environmental Health Science
GIS 2253 Initial Concepts in GIS
EHS 3114 Epidemiology
EHS 3153 Policy and Practices in Environmental Health
EHS 3553 Environmental Contaminants
EHS 3703 Biostatistics
EHS 3803 Toxicology and Waste Management
EHS 4703 Consumer Risk and Protection
EHS 4943 Field Experience in Environmental Health

Required for Public Health Concentration (6 Credit Hours)
EHS 4203 Community Health
EHS 4503 Chronic Diseases & Global Health

Required Electives (Technical Areas; 3 Credit Hours)
Three (3) hours of elective 3000/4000 level coursework in EHS, BIOL or GIS.

Required Related Work (36-37 Credit Hours)
CHEM 1114 General Chemistry I
CMPSC 1513 Computer Literacy
KIN 1513 Basic Nutrition
MATH 1513 College Algebra
CHEM 1214 General Chemistry II
BIOL 2344 Microbiology
PHYS 1114 General Physics I
BIOL 1114 General Biology

Choose one of the following:
CHEM 1314 General Organic & Biochemistry; OR
CHEM 3114 Organic Chemistry

Choose one of the following:
BIOL 3254 Medical Entomology
BIOL 3434 Genetics
BIOL 3634 Human Physiology
BIOL 4543 Pathogenic Microbiology
PSYCH 3613 Learning & Cognition
PSYCH 3993 Writing & Design for Psych Research

General Electives (17-18 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

*A minor program is not required for this major.

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2025-2026 Minor in Biology (19 Credit Hours)

Required Courses
BIOL 1114 General Biology
BIOL 1214 General Botany
BIOL 1314 General Zoology
BIOL 2344 General Microbiology

Electives
Three (3) hours of upper level elective credits. May not include B/C/P 4113, BIOL 4473, 4713 or 4881.

Special Requirements
"Teachers" or "methods" courses may not be counted in the minor.
Must earn three (3) hours of upper division coursework at ECU towards the minor to complete minor residency requirement.

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2025-2026 Minor in Environmental Health Science (19 Credit Hours)

Required Courses
EHS 1114 Intro to Env Health Science
EHS 2313 Solid & Hazardous Waste Mgmt

Electives
Twelve (12) hours of elective coursework in Env. Health Science. Courses should be selected in consultation with advisor.

Special Requirement
"Teachers" or "methods" courses may not be counted in minor.
Must earn three (3) hours of upper division coursework at ECU towards the minor to complete minor residency requirement.

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2025-2026 Minor in Public Health (16 Credit Hours)

Required Courses
EHS 3114 Epidemiology
EHS 4203 Community Health
EHS 4503 Chronic Diseases & Global Health

Choose two of the following:
EHS 2613 Industrial Hygiene
EHS 3153 Environmental Health Administration
EHS 3703 Biostatistics
EHS 4143 Food, Hygiene & Consumer Protection

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2025-2026 Minor in Environmental Mgmt & Nature Resources (19 Credit Hours)

Required Courses
EHS 1114 Intro to Environmental Health Science
EHS 2713 Environmental Economics
EHS 3543 Water Resources

Electives
Nine (9) hours approved electives in Env. Health Science. Courses should be selected in consultation with program advisor.

Special Requirements
"Teachers" or "methods" courses may not be counted in minor.
Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

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2025-2026 Certificate in GIS (12 Credit Hours)
Stand alone certificate curriculum; house in the College of Health and Science's Department of Biological and Environmental Sciences.

Required Courses
GIS 2253 Initial Concepts in GIS
GIS 3613 Digital Mapping
GIS 3953 Spatial Analysis
GIS 4953 Automating GIS Workflows

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Department of Physical Sciences

Majors Offered
Chemistry - Bachelor of Science
Chemistry (Teacher Certification) - Bachelor of Science
Chemistry (Biochemistry) - Bachelor of Science
Physics - Bachelor of Science
Physics (Medical Physics) - Bachelor of Science
Physics (Teacher Certification) - Bachelor of Science

Minors Offered
Chemistry
Physics

Departmental Information
The Department of Physical Sciences is comprised of two disciplines--Chemistry and Physics. The department offers Bachelor of Science degree programs with a major and a minor in each of these academic areas. Specific features of each program are detailed below.

Chemistry
The Chemistry program offers both a major and a minor in chemistry, a major in chemistry with a biochemistry concentration, a major in chemistry for teacher certification, and courses needed for those wishing to teach biology, chemistry, physics, physical science, or general science at the public school level. The department also functions as a support and service department for required courses in biology, nursing, environmental science, and allied health programs. Additionally, the department provides pre-professional studies for students pursuing medicine, engineering, pharmacy, veterinary medicine, physical therapy, and medical technology. A quality program of study is made possible through small classes, opportunity for student/professor interaction, and the unique situation of having the Robert S. Kerr Environmental Research Center located in Ada, OK. Cooperative agreements with this governmental institution allow expanded opportunities for study, research, quality analytical instrumentation, and possible student employment while at ECU.

Chemistry Program
In compliance with the recommendations of the American Chemical Society for curricula in undergraduate chemical education, the department offers courses in all five major areas of chemistry: inorganic, analytical, organic, physical, and biochemistry.

Physics
Physics is one of the most fundamental and all-inclusive of the sciences. It is an attempt to understand the foundations of our universe through the study of motion, force, energy, sound, electricity, magnetism, thermodynamics, heat, light, and quantum mechanics. Physics students use advanced mathematics to solve challenging experimental or theoretical problems, so they often major in mathematics as well. The ability to analyze a problem and find the best possible solution is vital to success in many fields. As a result, physics graduates often work in such seemingly non-related areas as medicine, law, biology, business, or military science, as well as in engineering, mathematics, computer science, or industry.

In addition to the university's program of financial aid, the department provides positions for student workers. Several departmental scholarships are awarded annually, and the department participates in the OK-LSAMP program awarding scholarships and research stipends for qualifying minority students. Interested students should contact the Department Chairman for further information.

Physics Program
In addition to the university's program of financial aid, the department provides positions for student workers. Several departmental scholarships are awarded annually, and the department participates in the LS-OKAMP program awarding scholarships and research stipends for qualifying minority students. Interested students should contact the Department Chairman for further information.

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2026-2027 Chemistry (General) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Chemistry Core (20 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
CHEM 3214 Quantitative Analysis I
CHEM 4114 Organic Chemistry II

Required for General Concentration (14 Credit Hours)
CHEM 3484 Instrumental Analysis
CHEM 4213 Biochemistry
CHEM 4413 Advanced Inorganic Chemistry
CHEM 4514 Physical Chemistry I

Required Electives (3-4 Credit Hours)
Select at least three (3) hours from the following:
CHEM 4221 Biochemistry Laboratory
CHEM 4421 Advanced Inorganic Chemistry Laboratory
CHEM 4614 Physical Chemistry II
CHEM 4981-4 Seminar in Chemistry
CHEM 4991-4 Individual Studies in Chemistry

Related Work (22-30 Credit Hours)
BIOL 1114 General Biology
MATH 1513 College Algebra*
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytical Geometry I

MATH 3025 Calculus & Analytical Geometry II
PHYS 1114 General Physics I; OR
PHYS 2115 Engineering Physics I
PHYS 1214 General Physics II; OR
PHYS 2225 Engineering Physics II

Recommended Related Work: Geology, additional physics, biology (not BIOL 1114) and computer science.

Minor (18-33 Credit Hours)
A minor is required for this program. The minor with the chemistry major must be biology, environmental health science, mathematics or physics.

General Electives (0-15 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
"Teachers" or "methods" courses do not count in the major.

2026-2027 Chemistry (General) Check Sheet
2026-2027 Chemistry (General) 4-Year Plan

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2026-2027 Chemistry (Teacher Cert.) - Bachelor of Science (124-126 Credit Hours)
The 124-126 credit hours includes ECU's 40 hour general education program.

General Education
This major requires students to count specific courses toward their general education requirement. Seventeen (17) hours (BIOL 1114, CHEM 1114, COMM 1113, MATH 1513 and PSYCH 1113), counted in the major. Demonstrate novice high competency in a foreign language or complete a foreign language or American Sign Language course with a C or higher.

Required Core Courses (20 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
CHEM 3214 Quantitative Analysis I
CHEM 4114 Organic Chemistry II

Required for Teacher Certification Concentration (3 Credit Hours)
B/C/P 4113 Methods of Teaching Biological & Physical Science

Required Chemistry Electives (7 Credit Hours)
Seven (7) hours of chemistry electives. Courses should be determined in consultation with program advisor.

Related Work (41-43 Credit Hours)
BIOL 1114 General Biology
BIOL 1314 General Zoology
BIOL 2184 Human Anatomy
BIOL 3634 Human Physiology
COMM 1113 Fundamentals of Human Communication
GEOG 1214 Earth Science
MATH 1513 College Algebra*; OR
MATH 2825 Calculus & Analytic Geometry I
PHYS 1114 General Physics I
PHYS 1214 General Physics II
PHYS 1314 Astronomy

Minor
Professional education is used as the minor and no other minor is required.

Professional Education (30 Credit Hours)
EDUC 2402 Survey of Excep Child
PSYCH 3463 Child & Adolescent Psych
EDUC 2012 Foundations of Educ
EDUC 2631 Foundations of Educ Technology
EDUC 2211 Field Experience I
EDPSY 3513 Educ Psych
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4974 Sup Student Tchg Secondary School
EDUC 4974 Sup Student Tchg Secondary School

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Special Requirements
* With department approval, students may omit MATH 1513 and/or Math 1713 and begin with MATH 2825.

2026-2027 Chemistry (Teacher Cert) Check Sheet
2026-2027 Chemistry (Teacher Cert) 4-Year Plan

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2026-2027 Biochemistry - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Chemistry Core (20 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
CHEM 3214 Quantitative Analysis I
CHEM 4114 Organic Chemistry II

Required in Biochemistry Concentration (7 Credit Hours)
CHEM 4213 Biochemistry
CHEM 4221 Biochemistry Laboratory
CHEM 4523 Advanced Biochemistry

Recommended Electives
Select at least 11 credit hours from the following:
BIOL 3634 Human Physiology
BIOL 4313 Cell and Molecular Biology
CHEM 3484 Instrumental Analysis
CHEM 4413 Advanced Inorganic Chemistry
CHEM 4421 Advanced Inorganic Chemistry Laboratory
CHEM 4514 Physical Chemistry I
CHEM 4531 Advanced Biochemistry Laboratory
CHEM 4614 Physical Chemistry II
CHEM 4981-4 Seminar in Chemistry
CHEM 4991-4 Individual Studies in Chemistry
PHYS 3222 Medical Physics

Related Work (25-33 Credit Hours)
BIOL 1114 General Biology
BIOL 1134 General Biology II; OR
BIOL 2344 General Microbiology
BIOL 2184 Human Anatomy
MATH 1513 College Algebra*
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytic Geometry I
PHYS 1114 General Physics I; OR
PHYS 2115 Engineering Physics I
PHYS 1214 General Physics II; OR
PHYS 2225 Engineering Physics II

General Electives (9-17 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
"Teachers" or "methods" courses do not count in the major.
A minor program is not required for this major.

2026-2027 Biochemistry Check Sheet
2026-2027 Biochemistry 4-Year Plan

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2026-2027 Physics - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Physics Core (15 Credit Hours)
PHYS 2115 Engineering Physics I
PHYS 2225 Engineering Physics II
PHYS 3013 Modern Physics
PHYS 3412 Junior Physics Laboratory

Required for Physics Major (18 Credit Hours)
PHYS 3113 Mechanics I
PHYS 3713 Thermodynamics
PHYS 3813 Optics

PHYS Electricity & Magnetism-Field Theory
PHYS 4313 Introduction to Nuclear Physics
PHYS 4513 Quantum Mechanics

Required Electives (2 Credit Hours)
Two (2) hours of Physics electives (3xxx - 4xxx)

Related Work (27 - 33 Credit Hours)
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CMPSC 1113 Computer Programming I
MATH 1513 College Algebra*
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytic Geometry I
MATH 3025 Calculus & Analytic Geometry II
MATH 3033 Calculus & Analytic Geometry III
MATH 4113 Differential Equations

General Electives (22-28 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
"Teachers" or "methods" courses do not count in the major.
A minor program is not required for this major.

2026-2027 Physics Check Sheet
2026-2027 Physics 4-Year Plan

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2026-2027 Physics (Medical Physics) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Physics Core (15 credit Hours)
PHYS 2115 Engineering Physics I
PHYS 2225 Engineering Physics II
PHYS 3013 Modern Physics
PHYS 3412 Junior Physics Laboratory

Required for Medical Physics Concentration (15 Credit Hours)
PHYS 3222 Medical Physics
PHYS 3713 Thermodynamics
PHYS 4222 Xray & Nuclear Physics Lab
PHYS 4313 Introduction to Nuclear Physics
Five hours of Physics electives (3000-4000 Level)

Related Work (52-61 Credit Hours)
BIOL 1114 General Biology
BIOL 2184 Human Anatomy
BIOL 3634 Human Physiology
CHEM 1114 General Chemistry I
CMPSC 1113 Computer Programming I
COMM 1113 Fundamentals of Human Communication
MATH 1513 College Algebra*
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytic Geometry I
MATH 3025 Calculus & Analytic Geometry II
MATH 3033 Calculus & Analytic Geometry III
MATH 4113 Differential Equations

Select one of the following:
BIOL 2113 Medical Terminology
EHS 2413 Radiologic Health

Select one of the following:
MATH 3513 Mathematical Statistics
MATH 3583 Applied Statistics
SOC 3833 Statistics for the Social Sciences

General Electives (0-10 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
"Teachers" or "methods" courses do not count in the major.
A minor program is not required for this major.

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2026-2027 Physics (Medical Physics) 4-Year Plan

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2026-2027 Physics (Teacher Certification) - Bachelor o f Science (122-128 Credit Hours)
The 122-128 credit hours includes ECU's 40 hour general education program.

General Education
This major requires specific courses to be counted toward the general education requirement. Seventeen (17) hours (BIOL 1214 or 1314, CHEM 1114, COMM 1113, MATH 1513 or PSYCH 1113) counted in the major. Demonstrate novice high competency in a foreign language or American Sign Language course with a C or higher.

Required Physics Core (15 Credit Hours)
PHYS 2115 Engineering Physics I
PHYS 2115 Engineering Physics II
PHYS 3013 Modern Physics
PHYS 3412 Junior Physics Laboratory

Required for Teacher Certification Concentration (13 Credit Hours)
B/C/P 4113 Methods of Teaching Bio
PHYS 1314 Astronomy
PHYS 3113 Mechanics I
PHYS 4113 Electricity & Magnetism

Required Electives (2 Credit Hours)
Two (2) hours of physics electives (Not PHYS 3222 or 4222).

Related Work (32-38 Credit Hours)
BIOL 1114 General Biology
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II

Related Work Electives (7 Credit Hours)
Seven (7) hours of chemistry electives.

Minor
Professional Education coursework is used as the minor and no other minor is required.

Professional Education (30 Credit Hours)
EDUC 2402 Survey of Excep Child
PSYCH 3463 Child & Adolescent Psych
EDUC 2012 Foundations of Educ
EDUC 2631 Foundations of Educ Technology
EDUC 2211 Field Experience I
EDPSY 3513 Educ Psych
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4974 Sup Student Tchg Secondary School
EDUC 4974 Sup Student Tchg Secondary School

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2026-2027 Physics (Teacher Cert) Check Sheet
2026-2027 Physics (Teacher Cert) 4-Year Plan

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2026-2027 Minor in Chemistry (20 Credit Hours)

Required Courses
CHEM 1114 General Chemistry I
CHEM 1214 General Chemistry II
CHEM 3114 Organic Chemistry I
CHEM 3214 Quantitative Analysis I

Select one of the following:
CHEM 3484 Instrumental Analysis
CHEM 4114 Organic Chemistry II
CHEM 4213 Biochemistry; AND
    CHEM 4221 Biochemistry Lab
CHEM 4413 Advanced Inorganic Chemistry; AND
    CHEM 4421 Advanced Inorganic Chem Lab

CHEM 4514 Physical Chemistry I

"Teachers" or "methods" courses may not be counted in the minor.
Must earn three hours of upper-division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor in Chemistry Check Sheet *(Contact Department)*

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2026-2027 Minor in Physics (20 Credit Hours)

Required Courses
PHYS 2115 Engineering Physics I
PHYS 2225 Engineering Physics II
PHYS 3013 Modern Physics

Select one or both of the following:
PHYS 3411 Junior Physics Laboratory
PHYS 3511 Junior Physics Laboratory

Select two of the following:
PHYS 3113 Mechanics I
PHYS 3213 Basic Electronics
PHYS 3713 Thermodynamics
PHYS 3813 Optics
PHYS 4113 Electricity & Magnetism-Field Theory
PHYS 4313 Intro to Nuclear Physics

Special Requirements
Must earn three (3) hours of upper division work at ECU to complete the minor residency requirement.

2026-2027 Minor in Physics Check Sheet *(Contact Department)*

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Department of Mathematics & Computer Science

Majors Offered
Computer Science - Bachelor of Science
Mathematics (Applied/Pre-Actuary) - Bachelor of Science
Mathematics (General) - Bachelor of Science
Mathematics (Teachers Cert.) - Bachelor of Science
Mathematics (Data Science) - Bachelor of Science

Minors Offered
Computer Science
Mathematics

Departmental Information
The Department Mathematics and Computer Science currently offers five concentrations which leads to a Bachelor of Science degree: General Mathematics, Teacher Certification in Mathematics, Mathematics - Applied/Pre-Actuary, Data Science Applications, and Computer Science.

The Mathematics Program offers four concentrations which lead to a Bachelor of Science degree. The curriculum is flexible and can be adapted to a variety of student interests. After completing one of the four concentrations, program graduates typically enter the job market as applied mathematicians in business or industry, actuarial trainees, or certified teachers of secondary school mathematics. Some program graduates pursue study in graduate school leading to advanced degrees in mathematics, statistics, computer science, finance, or management science while others elect to pursue further study in a professional school such as law or medicine.

The Computer Science Program provides a solid education in all major areas of Computer Science with an emphasis on Software Engineering. Computer Science students complete a Bachelor of Science degree in four years. Our graduates are typically employed by large companies who need skilled software design specialists to work on the forefront of the field. Computing facilities include powerful Linux based and Windows based terminals as well as graphics workstations. Department computers have internet access and are loaded with mathematical and statistical software packages for use in classroom teaching, student research and downloadable for home use.

Mathematics Program - General Concentration
The General Mathematics concentration provides preparation for the student who plans to enter a graduate program in mathematics or to seek immediate employment. A student taking this concentration, in consultation with his or her advisor, should choose elective courses which meet the entrance requirements of the desired graduate program. This concentration is often part of a double major with Physics, Computer Science, or other sciences. In addition to the core courses required for all mathematics majors, students in this concentration also take courses emphasizing proof writing.

Mathematics Program - Teacher Certification Concentration
The Teacher Certification concentration, in conjunction with professional education courses, prepares students for teaching mathematics at the secondary level. Majors take courses in education, mathematics, and mathematics education. Curriculum emphasizes pedagogy, technology, diversity, and current trends in education. Graduates of this concentration are in high demand locally, state-wide, and nationally. Most graduates of this concentration quickly find employment in the county, or elsewhere in Oklahoma and surrounding states. In addition to the core courses required for all mathematics majors, students in this concentration also take courses specifically for education majors.

Mathematics Program - Applied Mathematics/Pre-Actuary Concentration
The Applied Mathematics/Pre-Actuary concentration prepares students for entry into the job market as an applied mathematician or actuarial trainee, for a career in finance, or for entry into a graduate program in applied mathematics, actuarial science, statistics, finance, or quantitative management science. In addition to the core courses required for all mathematics majors, students in this concentration also take courses in business.

Mathematics Program - Data Science Applications Concentration
The Data Science Applications concentration is for students interested in applying mathematics, statistics, and computer science to a wide range of business problems. With a broader focus, students in this concentration will be prepared to work in a variety of industries— analytics, data science and big data. Students finishing this program will have a variety of skills in mathematics, statistics, computer science, programming, and analytics. They will have specific skills related to data science in database design, data extraction, data wrangling, data scraping, data visualization, machine learning, deep learning, and artificial intelligence. Students will also gain the interdisciplinary skills to succeed in this fast-growing field. In addition to the core courses required for all mathematics majors, students in this concentration also take courses in computer science.

Computer Science Program
The Computer Science degree program prepares students for a career in the world of technology. Both online and in-seat courses are options for majors of this program. Lucrative salaries and opportunities to work on interesting and challenging projects are the rewards which await those who choose the Computer Science major. Technology touches essentially every aspect of life. Students have access to a powerful Linux-based mainframe as well as the University computer network. Majors have access to both labs and 24/7 remote access. The curriculum is designed using guidelines published by the Association of Computing Machinery (ACM). Courses provide students excellent training in the scientific and technical areas of computing and the preparation necessary to pursue graduate work in this field. The course of study is mathematical in nature with emphasis on software engineering.

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2026-2027 Computer Science - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Courses (27 Credit Hours)
CMPSC 1113 Computer Programming I
CMPSC 1133 Computer Programming II
CPSMA 2103 Data Structures
CPSMA 3103 Algorithm Analysis
CMPSC 3113 Operating Systems
CMPSC 3613 Computer Architecture
CMPSC 3943 Software Design & Development
CMPSC 4213 Data Base Design
CMPSC 4473 Theory of Programming Languages

Required Electives (18 Credit Hours)
Eighteen (18) hours in upper level Computer Science with at least twelve (12) hours in CMPSC courses.

Related Work (11-18 Credit Hours)
CPSMA 3913 Discrete Mathematics
MATH 1513 College Algebra*
MATH 1713 Trigonometry*

Select one of the following:
MATH 2825 Calculus & Analytical Geometry I; OR
MATH 2613 Calculus for Bus, Life & Soc. Sci.

If MATH 2613 is chosen from above, then choose one of the following:
MATH 1223 Intro to Probability & Statistics; OR
BSEC 2603 Business & Economic Statistics

Select one of the following:
BUCOM 3133 Business Communication & Report Writing
COMM 1113 Fundamentals of Human Communication
ENG 3183 Technical & Professional Writing

General Electives (26-36 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student. Students majoring in computer science are highly encouraged to take upper-level computer science electives to make themselves more attractive to industry recruiters.

Special Requirements
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
A minor program is not required for this major.

2026-2027 Computer Science Check Sheet
2026-2027 Computer Science 4-Year Plan

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2026-2027 Mathematics (Applied/Pre-Actuary) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Mathematics Core (22-28 Credit Hours)
MATH 1513 College Algebra*
MATH 1223 Intro to Probability & Statistics
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytic Geometry I
MATH 3025 Calculus & Analytic Geometry II
MATH 3033 Calculus & Analytic Geometry III
MATH 3713 Linear Algebra
MATH 4923 Perspectives in Mathematics

Required for Applied/Pre-Actuary Concentration (9 Credit Hours)
MATH 3513 Mathematical Statistics
MATH 3583 Applied Statistics
MATH 4113 Differential Equations

Required Mathematics Electives (15 Credit Hours)
Select two of the following:
CPSMA 3913 Discrete Mathematics
CPSMA 3933 Operations Research
CPSMA 4413 Numerical Methods
Nine hours approved courses from MATH, CMPSC, MIS, MGMT, MKTG, BUSLW or FIN (3000-4000)

Related Work (30 Credit Hours)
ACCT 2103 Financial Accounting
CMPSC 1113 Computer Programming I; OR
other computer programming course in a high level language (logical, functional or procedural, including Mathematica)
COMM 1113 Fundamentals of Human Communication
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics
ENG 3183 Technical & Professional Writing
FIN 3113 Financial Management
FIN 3913 Insurance Planning & Risk Management
MIS 1903 Computer Business Applications
MIS 3433 Management Information Systems

General Electives (10-16 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Math 1413 "teachers" or "methods" courses will not be counted in the major.
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
A minor program is not required for this major.
Actuaries must pass a series of exams administered by the Society of Actuaries (SOA) in order to achieve professional status as an actuary. The first exam, Exam P, covers probability and supporting calculus topics. Pre-actuary students should take this exam after completing MATH 3513 Mathematical Statistics. The second exam, Exam FM, covers interest theory and financial economics. This exam should be taken after FIN 3113 Financial Management. Other SOA exams cover subjects as risk and risk management.

2026-2027 Mathematics Applied/Pre-Actuary Check Sheet
2026-2027 Mathematics Applied/Pre-Actuary 4-Year Plan

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2026-2027 Mathematics (General) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Mathematics Core (22-28 Credit Hours)
MATH 1513 College Algebra*
MATH 1223 Intro to Probability & Statistics
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytic Geometry I
MATH 3025 Calculus & Analytic Geometry II
MATH 3033 Calculus & Analytic Geometry III
MATH 3713 Linear Algebra
MATH 4923 Perspectives in Mathematics

Required for General Mathematics Concentration (12 Credit Hours)
MATH 3093 Intro to Theorem Prov & Number Theory
MATH 3813 Modern Algebra
MATH 4113 Differential Equations
MATH 4133 Real Analysis

Required Mathematics Electives (12 Credit Hours)
Twelve (12) hours mathematics electives (3000-4000 level).

Related Work (3 Credit Hours)
CMPSC 1113 Computer Programming; OR
other computer programming course in a high language (logical, functional, or procedural, including Mathematica).

General Electives (34-37 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Math 1413 "teachers" or "methods" courses will not be counted in the major.
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.
A minor program is not required for this major.

2026-2027 Mathematics (General) Check Sheet
2026-2027 Mathematics (General) 4-Year Plan

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2026-2027 Mathematics (Teacher Certification) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Mathematics Core (22-28 Credit Hours)
MATH 1513 College Algebra*
MATH 1223 Intro to Probability & Statistics
MATH 1713 Trigonometry*
MATH 2825 Calculus & Analytic Geometry I
MATH 3025 Calculus & Analytic Geometry II
MATH 3033 Calculus & Analytic Geometry III
MATH 3713 Linear Algebra
MATH 4923 Perspectives in Mathematics

Required for Teacher Certification Concentration (17 Credit Hours)
MATH 3913 Discrete Mathematics
MATH 3093 Intro to Theorem Prov & Number Theory
MATH 3213 College Geometry
MATH 3263 Methods of Teaching Jr High Math
MATH 3013 Modern Algebra
MATH 4922 Methods of Teaching Secondary Math

Required Mathematics Electives (6 Credit Hours)
Six (6) hours of mathematics electives (3000-4000) level.

Related Work (9 Credit Hours)
CMPSC 1113 Computer Programming I; OR
other computer programming course in a high level language (logical, functional or procedural, including Mathematica).
COMM 1113 Fundamentals of Human Comm
PSYCH 1113 General Psychology

Minor
Professional Education is used as the minor and no other minor is required for this major.

Professional Education (30 Credit Hours)
EDUC 2402 Survey of Excep Child
PSYCH 3463 Child & Adolescent Psych
EDUC 2012 Foundations of Educ
EDUC 2631 Foundations of Educ Technology
EDUC 2211 Field Experience I
EDPSY 3513 Educ Psych
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4974 Sup Student Tchg Secondary School
EDUC 4974 Sup Student Tchg Secondary School

View School of Business Catalog for Course Descriptions

General Electives (7-13 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Math 1413 "teachers" or "methods" courses will not be counted in the major.
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

2026-2027 Mathematics (Teacher Certification) Check Sheet
2026-2027 Mathematics (Teacher Certification) 4-Year Plan

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Return to Department of Physical Sciences
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2026-2027 Mathematics (Data Science) - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour general education program.

Required Mathematics Core (22-28 Credit Hours)
MATH 1513 College Algebra*
MATH 1223 Intro to Probability and Statistics
MATH 1713 Trigonometry*
MATH 2825 Calculus and Analytic Geometry I
MATH 3025 Calculus and Analytic Geometry II
MATH 3033 Calculus and Analytic Geometry III
MATH 3713 Linear Algebra
MATH 4923 Perspectives in Mathematics

Required for Data Science Concentration (18 Credit Hours)
CPSMA 2103 Data Structures
CPSMA 3813 Data Mining
CPSMA 4313 Data Processing and Visualization
CPSMA 4513 Data Applications in Business
MATH 3513 Mathematical Statistics
MATH 3583 Applied Statistics

Required Mathematics Electives (6 Credit Hours)
Select two of the following courses.
CPSMA 3913 Discrete Mathematics
CPSMA 3933 Operations Research
CPSMA 4413 Numerical Methods

Related Work (12 Credit Hours)
CMPSC 1113 Computer Programming I
CMPSC 1133 Computer Programming II
CMPSC 3313 Advanced Computer Languages
CMPSC 4213 Data Base Design

Minor
A minor is not required for this program.

General Electives (22-31 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Math 1413 "teachers" or "methods" courses will not be counted in the major.
* With department approval, students may omit MATH 1513 and/or MATH 1713 and begin with MATH 2825.

2026-2027 Mathematics (Data Science) Check Sheet
2026-2027 Mathematics (Data Science) 4-Year Plan

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2026-2027 Minor in Computer Science (18 Credit Hours)

Required Courses
CMPSC 1113 Computer Programming I
CMPSC 1133 Computer Programming II
CPSMA 2103 Data Structures
Nine (9) hours of elective computer science courses.

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2025-2026 Minor in Computer Science Check Sheet *(Contact Department)*

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2026-2027 Minor in Mathematics (19 Credit Hours)

Required Courses
MATH 1513 College Algebra
MATH 1713 Trigonometry
MATH 2825 Calculus & Analytic Geometry I
MATH 3025 Calculus & Analytic Geometry II
Three (3) hours of mathematics electives above MATH 1713.

Special Requirements
In approved cases, upper division courses may be substituted for MATH 1513 and/or MATH 1713.
"Teachers" or "methods" courses are not to be counted in the minor.
Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor in Mathematics Check Sheet *(Contact Department)*

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School of Nursing

Majors Offered
Nursing - Bachelor of Science

Departmental Information

Accreditation
The ECU School of Nursing is approved by the Oklahoma Board of Nursing. Graduates of this state-approved program are eligible to write the National Council Licensure Examination (NCLEX) for registered nurses. Applicants for Oklahoma licensure must meet all state and federal requirements to hold an Oklahoma license and practice nursing. In addition to completing a state approved nursing education program that meets educational requirements and successfully passing the licensure examination, requirements include submission of an application for licensure, a criminal history records search including fingerprinting, and evidence of citizenship or qualified alien status [59 O.S. §§567.5 & 567.6]. To be granted a license, an applicant must have the legal right to be in the United States (United States Code Chapter 8, Section 1621). In addition, Oklahoma law only allows a license to be issued to U.S. citizens, U.S. nationals, and legal permanent resident aliens. Other qualified aliens may be issued a temporary license that is valid until the expiration of their visa status, or if there is no expiration date, for one year. Applicants who are qualified aliens must present to the Board office, in person, valid documentary evidence of:

1. A valid, unexpired immigrant or nonimmigrant visa status for admission into the United States;
2. A pending or approved application for asylum in the United States;
3. Admission into the United States in refugee status;
4. A pending or approved application for temporary protected status in the United States;
5. Approved deferred action status; or
6. A pending application for adjustment of status to legal permanent resident status or conditional resident status

The Board has the authority to deny a license, recognition or certificate; issue a license, recognition or certificate with conditions and/or an administrative penalty; or to issue and otherwise discipline a license, recognition or certificate to an individual with a history of criminal background, disciplinary action on any professional or occupational license or certification, or judicial declaration of mental incompetence [59 O.S. §567.8]. These cases are considered on an individual basis at the time application for licensure is made. Potential applicants to state approved education programs, with a criminal history, may obtain a determination of eligibility for licensure or certification from the Oklahoma Board of Nursing for a fee. The Petition for Determination of Eligibility for Licensure or Certification form can be accessed at: https://oklahoma.gov/nursing/criminal-history.html

The Oklahoma Board of Nursing
Mailing address: P.O. Box 52926
Oklahoma City, OK 73152
Physical address: 2501 N. Lincoln Blvd., Ste. 207
Oklahoma City, OK 73105
(405) 962-1800

The School of Nursing at East Central University located in Ada, Oklahoma is accredited by the: Accreditation Commission for Education in Nursing (ACEN) 3390 Peachtree Road NE, Suite 1400 Atlanta, GA 30326. 405-975-5000. The most recent accreditation decision made by the ACEN Board of Commissioners for the ECU School of Nursing is continuing accreditation. View the public information disclosed by the ACEN regarding this program at www.acennursing.us/accreditedprograms/ programSearch/htm

Pre-Licensure Nursing Program
The School of Nursing offers the Bachelor of Science with a major in Nursing degree to pre-licensure students. A minimum of 121 hours is required for graduation, to include 40 general education, 21 required related work, and 60 in the major. Courses prepare students to provide high-quality, professional nursing care in a variety of settings. See additional information at School of Nursing.

Pre-Licensure Admission Requirements
Selection of students admitted to the nursing program is based on the potential for success in completing the program and obtaining licensure. Acceptance is contingent upon meeting the required criteria and available enrollment space. Exceptions may be made at the discretion of the faculty as a group. Admission decisions are based upon, but not limited to, program and cumulative GPAs, required related work grades, earned degrees, relative experience, licensure, and certifications, and ECU student status. It is the student's sole responsibility to ensure that applications are complete and submitted on time for consideration.

Entry into the program takes place biannually in both the fall and spring semesters. Applications will be available as follows:

- Fall admission: November 1st – February 1st
- Spring admission: May 1st – September 1st

Applicants must meet all of the following requirements:

1. Be accepted to East Central University by the program deadline (Fall–May 1st; Spring-November 1st).
2. Transcript(s) reflecting a minimum retention grade point average of 2.7 in all course work completed at the time of application.
3. Minimum of 24 credit hours of general education/prerequisite and required related work courses at the time of application. All prerequisite courses must be completed by the end of the Spring semester for fall start or the end of the fall semester for a spring start.
4. No grade less than a "C" in any required prerequisite and required related work courses.
5. All application materials, to include transcripts and fully completed nursing application, must be received in the nursing office by the date and time outlined in the application information.

Other Requirements

1. Documentation of immunizations, (see application and/or FAQ on website) and other related requirements for clinical, attestations, and accreditation, must be completed by the dates and times outlined in the admission/acceptance information.
2. Current American Heart Association BLS for Healthcare Providers
3. State and national background check is required, instructions for completion will be provided in the admission packets. If applicant has a criminal history, of any kind, this must be disclosed to the Director, School of Nursing prior to submitting the application.
4. A urine drug screen is required, instructions for completion will be provided in the admission packet. Marijuana is an illegal drug at the federal level. Any agency receiving federal funds of any kind is prohibited from allowing marijuana use. Additionally, the use of any substance which might impair judgment and put patients at risk is prohibited
5. Method/mode of transportation to campus, clinical facilities, and to other assignments are the responsibility of the student, and are not restricted to or dependent upon others.
6. Professional liability insurance is required for all students for the duration of the program. Information will be available in the admission/acceptance information.

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2026-2027 Nursing - Bachelor of Science (121 Credit Hours)
The 121 credit hours includes ECU's 40-hour general education program.

General Education
This program requires specific courses to be applied toward general education requirements. Seventeen (17) hours (BIOL 1114, CHEM 1114 or CHEM 1324, KIN 2183, MATH 1513 or MATH 1613, and PSYCH 1113) counted in the major.

Required Core Courses (36 Credit Hours)
NRSG 1142 Introduction to Professional Nursing
NRSG 2104 Foundations in Nursing
NRSG 3118 Med Surg I
NRSG 3193 Pharmacology I
NRSG 3218 Med Surg II
NRSG 3393 Pharmacology II
NRSG 4164 Nursing-Childbearing Family
NRSG 4214 Psychiatric-Mental Health Nursing

Required in Nursing Major (24 Credit Hours)
NRSG 2224 Physical Assessment
NRSG 3883 Nursing Research
NRSG 4375 Meg Surg III
NRSG 4513 Prioritization & Critical Thinking
NRSG 4283 Community Health Nursing
NRSG 4382 Leadership in Nursing
NRSG 4954 Transition to Professional Practice

Related Work (38 Credit Hours)
BIOL 1114 General Biology
BIOL 2184 Human Anatomy
BIOL 2344 General Microbiology; OR
BIOL 3114 Epidemiology; OR
EHS 3114 Epidemiology
BIOL 3634 Human Physiology
CHEM 1114 General Chemistry; OR
CHEM 1324 Chemical Principles
KIN 2183 Basic Nutrition
MATH 1513 College Algebra; OR
MATH 1613 Functions & Modeling
PSYCH 1113 General Psychology
PSYCH 3463 Child & Adolescent Psychology

Three (3) hours introductory statistics OR one of the following:
BIOL 3703 Biostatistics
BSEC 2603 Business & Economic Statistics
EHS 3703 Biostatistics
MATH 1223 Intro to Probability Statistics
PSYCH 3883 Behavioral Science Statistics
SOC 3833 Stats for Social Sciences
*Three (3) hour Computer course to meet OSHRE computer proficiency requirement OR one of the following:
CMPSC 1113 Computer Programming
CMPSC 1513 Computer Literacy
MIS 1903 Computer Business Applications

Nursing Electives
NRSG 4113 LPN Transitions
NRSG 4673 Healthcare Communications
NRSG 4683 Current Topics in Nursing
NRSG 4981-5 Seminar in Nursing
NRSG 4991-4 Individual Studies in Nursing

Special Requirements
A minor program is not required for this major.

2026-2027 Nursing Check Sheet
2026-2027 Nursing 4-Year Plan

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2026-2027 COLLEGE OF LIBERAL ARTS & SOCIAL SCIENCES

2026-2027 College of Liberal Arts & Social Sciences
Mark Walling, Dean

Department of English & Languages
Department of History
Department of Politics, Law & Society
Department of Professional Programs in Human Services
Native American Studies
Interdisciplinary Studies
Department of Art, Design, Media & Communication
Department of Performing Arts

Department of English & Languages

Majors Offered
English - Bachelor of Arts
English (Teacher Certification) - Bachelor of Arts

Minors Offered
English
Humanities

Course Prefixes
2026-2027 English (ENG) Courses
2026-2027 French (FREN) Courses
2026-2027 German (GER) Courses
2026-2027 Humanities (HUM) Courses
2026-2027 Latin (LATIN) Courses
2026-2027 Philosophy (PHIL) Courses
2026-2027 Russian (RUSS) Courses
2026-2027 Spanish (SPAN) Courses

Departmental Information
The Department of English and Languages offers a major in English. It offers minors in English and Humanities, as well as course work in additional languages. Students in the department's major and minor programs enhance their reading and writing skills important in a variety of careers, absorb the cultural understanding necessary for success in a diverse society, and develop the critical thinking skills which will lead to professional and advanced academic success.

The major in English is appropriate for many professional and cultural objectives. By properly selecting courses, students may prepare for a variety of options:

graduate work in literature, writing, or linguistics;
certification for secondary teaching;
professional work in creative, expository, and technical writing; or
professional study in such areas as law or technical communication.

Because of the comprehensive variety of courses offered, students have opportunity within the major to explore areas of special interest: for example, American, British and World literatures, the English language, or technical and creative writing.

English Program
The Department of English and Languages offers undergraduate majors in English and English Teacher Certification. English majors develop broad cultural awareness and advanced reading and writing skills through study of poetry, drama, fiction, film, and critical theory. Additional study of creative and persuasive writing, and grammar and linguistics prepares students for graduate study in literature, rhetoric and composition, creative or technical writing, linguistics, or for study of law. English Teacher Certification majors take additional courses in methods of teaching English to attain state certification qualifying them to teach English at the middle and high school levels. The department also offers minors in English and Humanities.

Languages
The department offers basic courses in French, Spanish, and Russian. All foreign language studies provide awareness of the culture of the language and insight into the unique world view of different languages.

Humanities
The department offers a minor in the humanities, those branches of learning which deal with what is fundamentally human self-consciousness, language, reason, creativity, human values and aspirations. The department and the college offer a wide range of humanities courses to serve the minor and satisfy university general education requirements. Examples include courses in literature, film, language, history, philosophy, religion, art, music, and theater.

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Return to Department of English & Languages

2026-2027 English - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40-hour general education program.

Required Core Courses (18 Credit Hours)
ENG 3143 Introduction to Film
ENG 3193 Persuasive Writing & Logic
ENG 3213 Shakespeare
ENG 3363 Critical Approaches to Literature
ENG 4013 Grammar & Linguistics
ENG 4883 Publication & Portfolio Capstone

Required English Survey Electives (12 Credit Hours)
Four (4) of the following survey courses, including one from each category. Select one additional survey from American, British or World Literature.

American Literature
ENG 2433 American Literature to 1865
ENG 2433 American Literature since 1865

British Literature
ENG 2643 British Literature to 1800
ENG 2653 British Literature since 1800

World Literature
ENG 3913 World Literature to 1700
ENG 3923 World Literature since 1700
HUM 2323 Global Literatures

Senior-Level Electives (6 Credit Hours)
ENG 4000-Level
ENG 4000-Level

Any English Electives (6 Credit Hours)
ENG - any course
ENG - any course

Related Work (6 Credit Hours)
One 3-hour foreign language course
One additional 3-hour foreign language course (sequential preferred)
Students should consult with program advisor when selecting courses.

General Electives (32-38 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
A minor program of study is not required for this major. The OSRHE computer proficiency graduation requirement can be fulfilled by taking ENG 3183 Professional and Technical Writing as an elective.

2026-2027 English Check Sheet
2026-2027 English 4-Year Plan

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2026-2027 English (Teacher Certification) - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40-hour general education program.

Required Course Courses (18 Credit Hours)
ENG 3143 Introduction to Film
ENG 3193 Persuasive Writing & Logic
ENG 3213 Shakespeare
ENG 3363 Critical Approaches to Literature
ENG 4013 Grammar & Linguistics
ENG 4883 Publication & Portfolio Capstone

Required for English Teacher Certification Concentration (6 Credit Hours)
ENG 3733 Teaching Literature in Secondary School
ENG 4723 Teaching of Grammar and Composition in Secondary School

Required English-Teacher Certification Electives (12 Credit Hours)
Four (4) of the following survey courses, including one from each category. Select one additional survey from American, British or World Literature.

American Literature
ENG 2423 American Literature to 1865
ENG 2433 American Literature since 1865

British Literature
ENG 2643 British Literature to 1800
ENG 2653 British Literature since 1800

World Literature
ENG 3913 World Literature to 1700
ENG 3923 World Literature since 1700
HUM 2323 Global Literatures

Senior-Level Electives (3 Credit Hours)
ENG 4000-Level

English Elective (3 Credit Hours)
ENG - any course

Related Work (12 Credit Hours)

One 3-hour foreign language course
One additional 3-hour foreign language course (sequential preferred)
COMM 1113 Fundamentals of Human Communication
PSYCH 1113 General Psychology

Minor/Professional Education (30 Credit Hours)
Professional Education is used for the minor and no other minor is required for this major.

General Electives (0-8 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
The OSRHE computer proficiency graduation requirement will be met through the completion of the courses EDUC 4611 Field Experiences III and EDUC 4632 Education Technology (including equated or substituted courses), both of which are required courses in the professional education sequence.

2026-2027 English (Teacher Cert.) Check Sheet
2026-2027 English (Teacher Cert.) 4-Year Plan

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2026-2027 Minor in English (18 Credit Hours)

Select 18 hours from the following list:
ENG 2423 American Literature to 1865
ENG 2433 American Literature since 1865
ENG 2643 British Literature to 1800
ENG 2653 British Literature since 1800
ENG 3213 Shakespeare
ENG 3913 World Literature to 1700
ENG 3923 World Literature Since 1700
ENG 3143 Introduction to Film
ENG 3363 Critical Approaches
ENG 4523 Amer Lit (Subject named in title listing)
ENG 4543 British Lit (Subject named in title listing)
ENG 4553 World Lit (Subject named in title listing)
ENG 4813 Special Topics in Literature (Subject named in title listing)
ENG 4013 Grammar and Linguistics
ENG 4823 Special Topics in Language (Subject named in title listing)
ENG 2243 Introduction to Creative Writing
ENG 3373 Creative Writing: Genre (Subject named in title listing)
ENG 3113 Advanced Writing
ENG 3183 Technical and Professional Writing
ENG 3193 Persuasive Writing and Logic
ENG 3343 Composing Theories and Practices
ENG 4643 Internship (Subject named in title listing)
Note: ENG 1113 and ENG 1213 are not included in eligible courses for the minor.
Note: At least six credit hours counted toward the minor must be earned at the 3000-4000 level. Three hours of 3000-4000 level work must be earned from ECU to complete the minor residency requirement.

2026-2027 Minor in English Check Sheet

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2026-2027 Minor in Humanities (18 Credit Hours)
One of the courses taken to satisfy General Education requirements may apply toward the Humanities minor. Students will need 15 additional hours beyond the General Education requirements to complete the Humanities minor.

Select one of the following (3 Credit Hours):
HUM 2113 General Humanities I; OR
HUM 2123 General Humanities II

Select three courses from the following (9 Credit Hours):
Any general education course from the Cultural and Aesthetic Awareness (CA) category.

AND/OR - select from any of the following

ANTH 2713 Introduction to Cultural Anthropology
ART 2253 Art History Survey II
ART 4213 History of Art-Contemporary
ART 4983 Seminar in Art (Subject named in title listing)
COMM 3403 Theatre History Survey
COMM 4423 Intercultural Communication
ENG 2423 American Literature to 1865
ENG 2433 American Literature since 1865
ENG 2643 British Literature to 1800
ENG 2653 British Literature since 1800
ENG 3143 Introduction to Film
ENG 3363 Critical Approaches

MCOM 1733 Introduction to Mass Media
THEA 2333 Theatre in Life
Any ENG 4000 course
Any HIST (except HIST 3883)
Any Language (up to 6 hours)

Select any two 4000-level courses from the following subject prefixes (6 Credit Hours):
ART, COMM, ENG, HIST, HUM, or PHIL

Note: Must earn at least three hours of upper division work at ECU to complete the minor residency requirement.

2026-2027 Minor in Humanities Check Sheet

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Department of History

Majors Offered
History - Bachelor of Arts
History (Teacher Certification) - Bachelor of Arts

Minors Offered
History
Oklahoma Studies

Course Prefixes
2026-2027 History (HIST) Courses
2026-2027 Social Studies (SOSTU) Courses

Department Information
Success in any career today demands flexibility based in three skill areas: the ability to think critically, the ability to analyze information from a variety of sources and apply that analysis to solving problems, and the ability to communicate that analysis to others. These skills are particularly critical for careers in law, government, business, teaching, medicine, as well as for success in graduate or professional school.

Founded solidly in the tradition of liberal arts, the Department of History at East Central University emphasizes developing these skills. Each History and Native American Studies major may, with the help of faculty, tailor a program to best match individual career and intellectual interests. The department offers degrees in History, and History (Teacher Certification). In addition, the department offers courses in Native American Studies.

History Program
History offers students the richness of past experience to comprehend more lucidly humanity's progress and setbacks, great accomplishments and tragic failures. Historical study teaches judgment, examines values, and explores issues and events; it uncovers the sources of creativity and stagnation during the entire course of civilization's evolution. The significance of the past and its meaning for the possibilities of the present and future become a powerful tool of analysis and interpretation. The History program offers a wide range of courses in United States history, European history, and World history. A student may major or minor in history, selecting an area of concentration for either a BA or a BA with teacher certification

History as a major combined with other disciplines, provides excellent preparation for a productive and meaningful personal and professional life. Majors utilize their skills to teach history and related courses in elementary and secondary school. Graduates may also pursue advanced degrees in history in order to teach and conduct research at the college level. History majors also continue their education in other graduate and professional programs such as journalism, law, management, and public administration. Graduates also seek careers in business, public service, and informational and research positions.

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2026-2027 History - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program.

Required Core Courses (21 Credit Hours)
HIST 1113 Foundations of Western Civilization
HIST 1123 Modern Western Civilization
HIST 2483 U.S. History Survey to 1877
HIST 2493 U.S. History Survey since 1877
HIST 3333 Vistas in World History
HIST 3343 Vistas in U.S. History
HIST 3883 Writing in History

Required History Electives (21 Credit Hours)
Twenty-one (21) hours 3000-4000 level History Courses

Special Requirements
An earned grade of C or higher is required for all History courses to be counted in the History major.

2026-2027 History Check Sheet
2026-2027 History 4-Year Plan

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Return to Department of History

2026-2027 History (Teacher Certification) - Bachelor of Arts
The 120 credit hours includes ECU's 40 hour General Education program.

Required Core Courses (21 Credit Hours)
HIST 1113 Foundations of Western Civilization
HIST 1123 Modern Western Civilization
HIST 2483 U.S. History Survey to 1877
HIST 2493 U.S. History Survey since 1877
HIST 3333 Vistas in World History
HIST 3343 Vistas in U.S. History
HIST 3883 Writing in History

Required for Teacher Certification Concentration (3 Credit Hours)
HIST 2213 Oklahoma History

Required History Electives (18 Credit Hours)
Select 18 credit hours of 3000-4000 level History courses in consultation with a program advisor.

Related Work (21 Credit Hours)
COMM 1113 Fundamentals of Human Comm
PSYCH 1113 General Psychology
SOSTU 4873 Methods in Secondary Social Studies

Complete requirements in each of the following areas that have not been counted for General Education credit:

1. Economics
Select one of the following:
ECON 2003 Principles of Macroeconomics
ECON 2013 Principles of Microeconomics

2.) Geography
Select one of the following:
GEOG 1113 Elements of Human Geography
GEOG 2513 World Regional Geography

3.) Political Science
Select one of the following:
LSPS 3113 Constitutional Law: Issues of National Power
LSPS 3133 Civil Rights & Liberties
LSPS 3143 First Amendment Law
PS 3413 The U.S. Legislatures
PS 3633 The U.S. Presidency
PS 3723 Oklahoma Politics
PS 3913 International Relations

4.) Anthropology & Culture
ANTH 2713 Introduction to Cultural Anthropology

Minor/Professional Education (30 Credit Hours)
Professional Education is used as the minor and no other minor is required.
EDUC 2402 Survey of Excep. Child
PSYCH 3463 Child & Adolescent Psych
EDUC 2012 Diversity in American Education
EDUC 2613 Foundations of Education Technology
EDUC 2211 Field Experience I
EDPSY 3513 Education Psychology
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4974 Sup Student Tchng Secondary School
EDUC 4974 Sup Student Tchng Secondary School

General Electives (2 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
An earned grade of C or higher is required of all History courses to be counted in the History major.

2026-2027 History (Teacher Cert.) Check Sheet
2026-2027 History (Teacher Cert.) 4-Year Plan

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2026-2027 Minor in History (18 Credit Hours)

History Electives
Student will select eighteen hours of HIST courses in consultation with an academic advisor.

Special Requirements
"Teachers" or "methods" courses do not count in the minor.

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor in History Check Sheet

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2026-2027 Minor in Oklahoma Studies (18 Credit Hours)

Required Course
HUM 2513 Intro to Oklahoma Cultural Studies

Individual Study Courses
Select one of the following:
ENG 4993 Individual Study in English
HIST 4993 Individual Study in History

Electives
Twelve (12) hours of approved courses in history, English, geography or other areas with significant Oklahoma content. A minimum of 6 of these hours must be in Native American Studies. Courses should be selected in consultation with an academic advisor.

Special Requirement
Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor in Oklahoma Studies Check Sheet

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Department of Politics, Law & Society

Majors Offered
Political Science - Bachelor of Arts
Legal Studies - Bachelor of Science

Minors Offered
Political Science
Legal Studies
Sociology

Certificate Offered
Legal Studies

Course Prefixes
2026-2027 Political Science (PS) Courses
2026-2027 Political Science - Communication (PSCOM) Courses
2026-2027 Legal Studies (LS) Courses
2026-2027 Legal Studies - Political Science (LSPS) Courses
2026-2027 Anthropology (ANTH) Courses
2026-2027 Criminal Justice - Sociology (CJSOC) Courses
2026-2027 Geography - Sociology (GESOC) Courses
2026-2027 Psychology - Sociology (PYSOC) Courses
2026-2027 Sociology (SOC) Courses
2026-2027 Social Studies (SOSTU) Courses

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Department Information
The Political Science and Legal Studies programs offer degrees with very different objectives: the BA in political science and the BS in legal studies. Courses emphasize critical thinking and written and oral communication skills. Classes are typically discussion-based and service learning and simulations are often employed. The legal studies program is much more applied, teaching skills that will be applicable in the law office, such as legal business applications and knowledge of specialty law subjects. Most classes are based on lectures and focused projects. Both programs study the connection between law and politics and both programs are popular avenues to law school. Paralegals may not provide legal services directly to the public, except as permitted by law.

A certificate in Legal Studies is attractive to anyone seeking to work in a law office or a law-related setting. Paralegals can be qualified through practice test or coursework. Completing the certificate in legal studies would be a strong platform for future study in the area and provide a tangible credential.

The Department of Politics, Law and Society also offers a wide variety of courses and a minor in sociology. Sociology is the scientific study of the social causes and consequences of human behavior. The subject matter of sociology has a broad range. It includes the study of the intimate family, as well as the hostile mob. Crime and its causes are studied, as well as religion and its influences. Divisions of race and social class are included, as well as the sharing of beliefs in a common culture.

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Return to Department of Poli. Sci., Law & Society

2026-2027 Political Science - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program.

Required for Major & General Education (6 Credit Hours)
PS 1113 U.S. Government

PS 2113 Intro to Political Science
This major requires six (6) hours from PS 1113 and PS 2113 be counted toward general education. These courses will also be counted toward the major. Also recommended for general education is MATH 1413.

Required in Major (6 Credit Hours)
PS 3163 Political Science Research Methods
PS 4883 Political Science Capstone

Major Program Electives (24 Credit Hours)
Select 24 credit hours from the following:
LSPS 2153 Introduction to Law
LSPS 4113 International Law
LSPS 4883 Jurisprudence
LSPS 4981-4 Seminar
PS 2213 U.S. Government Issues & Their Politics
PS 2881-4 Special Studies in Government
LSPS 3113 Constitutional Law
LSPS 3133 Civil Rights & Liberties
LSPS 3143 First Amendment Law
PS 3173 Campaigns & Elections
PS 3183 Women in Politics
PS 3193 Tribal Politics
PS 3413 The U.S. Legislatures
PS 3253 Political Philosophy
PS 3613 U.S. Political Thought
PS 3633 The. U.S. Presidency
PS 3723 Oklahoma Politics
PS 3823 Introduction to Public Management
PS 3913 International Relations
PS 4113 Political Parties
PS 4163 Post Soviet-Block Politics
PS 4353 Study of War
PS 4433 Public Policy Making
PS 4513 Modern Political Thought
PS 4823 U.S. Foreign Policy
PS 4941-6 Internship
PS 4981-6 Seminar in Political Science
PS 4991-4 Individual Study in Political Science

Minor (18-21 Credit Hours)
A minor program of study is required for this major.

General Electives (29-32 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses will not count toward this major.

2026-2027 Political Science Check Sheet
2026-2027 Political Science 4-Year Plan

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2026-2027 Legal Studies - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program.

Required for Major (21 Credit Hours)
LS 3223 Legal Research & Writing I
LS 3233 Legal Research & Writing II
LS 3383 Legal Systems & Applications
LS 3563 Civil Procedure & Litigation
LS 4863 Legal Ethics
LS 4943 Legal Internship; OR
LS 3243 Native American Legal Clinic
LSPS 2153 Introduction to Law

Legal Specialty Courses (12 Credit Hours)
Select 12 hours from the following:
LS 4123 Torts
LS 4133 Evidence
LS 4143 Native American Law
LS 4173 Contracts
LS 4183 Real Estate Law
LS 4253 Family Law
LS 4283 Criminal Law
LS 4543 Wills, Estates, Trust & Probate
LS 4653 Administrative Law
LSPS 3143 First Amendment Law

LSPS 3113 Constitutional Law: Issues of National Power
LSPS 3133 Civil Rights & Liberties
LSPS 4113 International Law

Political Science Electives (9 Credit Hours)
Select nine (9) credit hours of political science coursework in consultation with program advisor. Courses selected must be at a more advanced level than PS 1113.

Controlled Electives (12 Credit Hours)
Select 12 hours from the following:
ACCT 2103 Financial Accounting
ACCT 2203 Managerial Accounting
ACCT 3383 Federal Income Tax Accounting
BIOL 2113 Medical Terminology
BUCOMM 3133 Business Comm & Report Writing
BUSLW 3213 The Legal Environment of Business
BUSLW 3253 Business Law
COMM 3213 Persuasion
CRJS 2233 Introduction to Criminal Justice
CRJS 4473 Legal Aspects of Criminal Justice Process
ENG 3193 Persuasive Writing & Logic
HURES 2103 Interviewing Techniques
LS 4143 Native American Law
LS 4981-3 Seminar in Law
LSPS 4883 Jurisprudence
MCOM 3853 Media Ethics & Law
Other PS, LS, LSPS, CRJS or Native American Studies courses not counted above.

General Electives (26 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not count toward this major.
A minor program of study is not required for this major.

2026-2027 Legal Studies Check Sheet
2026-2027 Legal Studies 4-Year Plan

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2026-2027 Minor in Political Science (18 Credit Hours)

Required Course
PS 2113 Introduction to Political Science

Electives
Select 15 credit hours of other political science courses (at least 6 hours of 3000-4000 level courses).

Special Requirements
"Teachers" or "methods" courses may not count toward this minor.
Must earn three hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor in Political Science Check Sheet

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2026-2027 Minor in Legal Studies (18 Credit Hours)
The legal studies minor provides students majoring in other degree fields the opportunity to explore law as a discipline at the undergraduate level and study the impact of law on their area of interest. The legal studies minor is open to pre-law students and students from any other discipline enrolled at ECU.

Required Courses
LS 3223 Legal Research & Writing I
LS 3563 Civil Procedure & Litigation
LSPS 2153 Introduction to Law

Electives
Select nine (9) hours of Legal Studies courses at the 3000-4000 level.

2026-2027 Minor in Legal Studies Check Sheet

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2026-2027 Minor in Sociology (18 Credit Hours)

Required Courses
SOC 1113 Introduction to Sociology
SOC 2113 Social Problems

Electives
Select twelve (12) hours of other sociology courses in consultation with academic advisor.

Special Requirements
"Teachers" or "methods" courses may not count toward this minor.

2026-2027 Minor in Sociology

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2026-2027 Legal Studies Certificate (15 Credit Hours)

Required Courses
LSPS 2153 Introduction to Law
LS 3223 Legal Research and Writing I
LS 3233 Legal Research and Writing II
LS 3383 Legal Systems Applications
LS 3563 Civil Procedure and Litigation

2026-2027 Legals Studies Certificate

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Department of Professional Programs in Human Services

Majors Offered
Criminal Justice - Bachelor of Arts
Human Services Counseling - Bachelor of Arts
Human Services Rehabilitation - Bachelor of Arts
Social Work - Bachelor of Social Work

Minors Offered for Department Majors
Addictions
Criminal Justice
Human Services Counseling
Social Work

Minors Offered for Non-Department Majors
Addictions
Human Services Counseling
Social Work

Course Prefixes
2026-2027 American Sign Language - Human Resources (ASLHR) Courses
2026-2027 Criminal Justice-Sociology (CRJS) Courses
2026-2027 Human Resources (HURES) Courses
2026-2027 Human Resources - Psychology - Education (H/P/E) Courses
2026-2027 Social Work (SOWK) Courses
2026-2027 Counseling (COUNS) Courses

Departmental Information
The Department of Professional Programs in Human Services offers educational programs that share the common goal of preparing graduates to work with people in a variety of practice settings. The human services field is one of the most rapidly expanding career fields in America today. The Professional Programs in Human Services Department focuses on those careers which require professional preparation for service to individuals, families, groups, and communities. Degree programs include Human Services, Counseling, Criminal Justice, and Social Work. In addition to a general degree program, the Counseling major may select a concentration in rehabilitation. The Criminal Justice student may choose criminal justice or law enforcement. The Social Work program, through its Child Welfare Professional Enhancement Program, offers students opportunities for guaranteed employment in child welfare. The student may create a degree plan which will prepare them for entry-level employment in a variety of settings.

The objectives for the Department of Professional Programs in Human Services are:
1.) To prepare students educationally for positions in counseling, criminal justice, or social work.
2.) To help supply both the regional and local employee pool for human service agencies and organizations.
3.) To provide students with a sound undergraduate base for graduate study.

Criminal Justice Program
The primary objective of the Criminal Justice degree is to prepare students for beginning professional jobs in the criminal justice system. The curriculum provides a core program of basic courses applicable to all criminal justice fields and specialties. Students gain practical experience through completion of an internship or for those seeking CLEET certification, the Collegiate Officer Program.

Human Services Counseling Program
The primary objective of the Human Services Counseling degree is to prepare students for beginning human services positions in a variety of government, civic, and private and not-for-profit community-based agencies and organizations. These agencies focus on the needs of people experiencing a variety of issues, physical or mental problems, drug or alcohol abuse, aging related concerns, and job-seeking problems. Client groups to be served range from youth and minorities to those in crisis situations. To prepare students for a variety of employment opportunities, the Human Services Counseling curriculum provides the knowledge and skills needed for prevention and problem solving with both individuals and groups.

Concentration in Rehabilitation - The Rehabilitation concentration is designed to prepare students for positions in a variety of federal, state, and community rehabilitation agencies, facilities, and organizations that provide services to individuals with disabilities. Students completing the program have skills in interviewing, case management, planning, intervention, job/career development, and knowledge of the major disability groups, and disability culture.

Students may opt for the concentration in rehabilitation or may seek additional expertise in the field of addictions with the minor in Addictions. The rehabilitation program has various scholarships specific to the rehabilitation program for students. These include assistance through Rehabilitation Services Administration, the Virgil Taylor Scholarship and the Lowell E. Green Scholarship.

Social Work Program
The primary objective of the Social Work education program is to prepare competent and effective generalist social work professionals for entry into direct professional practice positions with individuals, families, groups, communities, and organizations. Students graduating with a degree in social work (BSW) are prepared for employment in many public and private agencies: health care, including hospitals, home health, and hospice; child welfare; mental health; and income maintenance programs. The Child Welfare Professional Enhancement Program provides incentives for social work students pursuing a career in Child Welfare. This program also provides students with an educational foundation for graduate education in social work.

The Social Work Program is nationally accredited by the Council on Social Work Education (CSWE). The curriculum prepares its graduates for generalist practice through mastery of nine core competencies as identified in the Educational Policy and Accreditation Standards (2008) by the CSWE. These core competencies are: demonstrate ethical and professional behavior, advance human rights and social, racial, economic and environmental justice, engage anti-racism, diversity, equity and inclusion in practice, engage in practice-informed research and research-informed practice, engage in policy practice, engage with individuals, families, groups, organizations, and communities, intervene with individuals, families, groups, organizations, and communities, and evaluate practice with individuals, families, groups, organizations, and communities.

Minors & Electives
In addition to the degree programs, minors are offered in Addictions, Criminal Justice, Human Services Counseling, Interpreting, Juvenile Justice, and Social Work. Through the informed selection of a minor and elective courses, students may gain more in-depth knowledge in selected areas of interest. Students are encouraged to consult with their faculty advisor in the choice of a minor and elective courses.

Requirements for Admissions to Professional Program in Human Services
Students selecting a major in Professional Programs in Human Services (Human Services, Counseling, Social Work, Criminal Justice) must file an application with their faculty advisors. The application is submitted after the student has successfully completed the appropriate introductory course. (SOWK 2273 - Introduction to Social Work and Social Welfare; or COUNS 2183 - Fundamentals of Counseling; or COUNS 2213 - Introduction to Rehabilitation; or CRJS 2233 - Introduction to Criminal Justice)

The criteria for admission are:
1.) Completion of a minimum of 30 semester hours with a minimum overall grade point average of 2.25 on all course work attempted.

2.) Attainment of a "C" or better in Freshman Composition I and II or fulfillment of this requirement by one of the following:

a. Earning a score of 3, 4, or 5 on the Advanced Placement Program of the College Board. A score of 4 or 5 fulfills the ECU requirement for both Freshman Composition I and II;

b. Scoring a 50 or higher on the College Level Examination Program (CLEP) with essay option will fulfill the ECU requirement for Freshman Composition I; there is no CLEP to test out of Freshman Composition II.

3.) Attainment of a "C" or better in the introductory course for the major.

4.) Receive a favorable recommendation by the faculty advisor and/or program faculty members. After full consideration, the applicant is (a) unconditionally admitted, (b) conditionally admitted, (c) not admitted, or (d) deferred, pending additional information.

5.) Conditional admission may be granted to a student below minimum requirements for admission if, based on findings by the advisor and/or program faculty, the student may reasonably be expected to meet admission standards within a specified length of time, no later than one semester prior to internship.

A student denied admission has the right to appeal the decision. The procedure for appeal is found in the ECU Student Handbook or may be obtained from the Department Chair.

*Note: Social work majors not formally admitted to the Program are not permitted to be enrolled in social work courses beyond the introductory and field work courses.

Retention Requirements in Majors

Social Work Major

a. Retention in the Social Work Program is dependent upon the student maintaining his or her fully admitted status in the program, which includes grade point average, personal, professional and academic conduct.

b. Students admitted to the Social Work Major on a "conditional" basis must meet full admission requirements in compliance with the plan developed between the student and their major advisor. Non-compliance with the remediation plan developed between the student and their major advisor, or inability to remediate the deficiency within one semester, will result in denial of admission.

c. An ongoing process of evaluation of admission status is carried out by social work faculty. Social work majors MUST earn a minimum grade of "C" in all major required courses with a prefix of SOWK or COUNS. A student whose admitted status is withdrawn may appeal that decision using the university and Social Work Program appeals process as described in the Social Work Program Handbook.

Human Services Counseling and Criminal Justice Majors
Same requirements as university retention policy.

Requirements for Admission to Internship
Social Work majors in a Professional Programs in Human Services Department degree program are expected to submit an Application for Internship that includes a degree check and an unofficial transcript. Criminal Justice and Human Services Counseling students have the option to complete an internship. Due dates will be announced and posted.

The criteria for admission are:

a. The student applying for internship must have a retention grade point average of no less than 2.50.

b. Completion of all required major courses except internship. Social Work majors will take a 2 hour required integrative seminar, but this course is taken concurrently with the internship.

c. Recommendation for internship by the faculty advisor and/or the program faculty.

A student who has been denied admission to the internship has the right to appeal the decision. The procedure for appeal is outlined in the Internship Application for each major.

Internship Options

Option I - Full Semester - Full-Time Internships (12 Credit Hours)
This option requires full-time student enrollment for one semester. The student will be located at the internship site on a full-time basis. Internships are not available for Social Work Majors during the Summer Semester.

Option II - Full Semester - Part-Time Internship (6 Credit Hours)
This option requires the student to enroll in 6 hours for one semester. The student will be located at the internship site on a part-time basis. The student would need to enroll in additional coursework hours to maintain full time status if desired. This is not an option for Social Work majors.

Option III - Work Experience Exemption - Departmental Approval Required
Students having suitable work experience may petition the Department Chair for exemption from internship. Students not participating in an internship will enroll in an equivalent number of credit hours of approved course work in lieu thereof. This is not an option for Social Work majors. Criminal Justice majors, when appropriate to the degree program, may be eligible to receive up to twelve (12) semester hours credit for having completed a law enforcement academy. Credit may be applied only to the 12-hour internship (see Department Chair for additional information).

Option IV - Classes in Lieu of Internship
Students may take 12 hours of upper-level course work in lieu of internship. This is not an option for Social Work majors.

Option V - The Collegiate Officer Program (COP
The Collegiate Officer Program (COP) offers the Criminal Justice major with a concentration in Law Enforcement the opportunity to become a certified peace or police officer in the State of Oklahoma. Students from other majors may choose to participate in the COP if they meet all eligibility requirements. The Collegiate Officer Program requires completion of selected criminal justice courses, a first aid course, and an eight (8) week skills portion administered by the Department of Professional Programs in Human Services. Additionally, all COP students must complete a thorough criminal background check and MMPI.

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2026-2027 Criminal Justice - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40-hour General Education program.

Required Core Courses (18 Credit Hours)
CRJS 2233 Introduction to Criminal Justice
CRJS 2253 Adult Correctional Systems
CRJS 2353 Juvenile Justice System
CRJS 3333 Criminal Behavior
CRJS 3443 Criminal Justice Research Methods
CRJS 4473 Legal Aspects of the CJ System

Major Electives (36 Credit Hours)
Select thirty-six (36) credit hours from the following:
CRJS 2453 The Police Function^
CRJS 3423 Introduction to Law Enforcement^
CRJS 3643 Criminal Justice Issues
CRJS 4333 Criminal Investigation I^
CRJS 4343 Criminal Investigation II^
CRJS 4623 Interrogation Techniques^
CRJS 4981-4 Seminar in Criminal Justice
CRJS 3023 Investigative Science
CRJS 3203 Victimology
CRJS 3343 Introduction to Cold Case Investigations
CRJS 3353 Introduction to Forensics
CRJS 3363 Serial Killer Behavioral Analysis
CRJS 3503 Rural Criminology
CRJS 4123 Digital & Multimedia Forensic Evidence
CRJS 4133 Advanced Forensic Science
CRJS 4143 Serial Murder
CRJS 4293 Police Administration^
CRJS 4946 Internship: Criminal Justice
CRJS 4946 Internship: COPS^
COUNS 2103 Interviewing Techniques
COUNS 3183 Case Management Practice
COUNS 3763 Group Process and Practice
SOWK 2083 Human Behavior & Social Environment I
KIN 2273 First Aid^

Other Electives
Six (6) of 3000-4000 level courses in COUNS, SOWK, CRJS, SOC, or PSYCH.

Related Work (6 Credit Hours)
PSYCH 1113 General Psychology
SOC 1113 Introduction to Sociology

General Electives (26 Credit Hours)
An elective course is any college-level course not required by the degree that is utilized to reach the 120 credit hours required for degree completion. Elective courses are chosen according to the interest of the student and can be used in completion of a minor, certificate, or additional major.

Special Requirements
^ Denotes a required course for the Collegiate Officer Program
A minor program of study is not required for this major.

2026-2027 Criminal Justice Check Sheet
2026-2027 Criminal Justice 4-Year Plan

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2026-2027 Human Services Counseling - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40-hour General Education program.

Required Core Courses (12 Credit Hours)
SOWK 2083 Human Behavior & Social Environment I
COUNS 2103 Interviewing Techniques
COUNS 2183 Fundamentals of Counseling
COUNS 3183 Case Management Practice

Required for Counseling Concentration (15 Credit Hours)
COUNS 3203 Vocational Testing & Evaluation
COUNS 3213 Employment & Placement Techniques
COUNS 3763 Group Processes & Practice
COUNS 4443 Counseling Services
COUNS 4453 Intervention Techniques

Required Electives (18 Credit Hours)
Nine hours of 2000-4000 level electives in COUNS, SOWK, CRJS, SOC or PSYCH.
Nine hours of 3000-4000 level electives in COUNS, SOWK, CRJS, SOC or PSYCH, or an additional section of COUNS 4946.

Required electives may include one or two sections of COUNS 4946 Internship-Human Services Counseling

Related Work (6 Credit Hours)
PSYCH 1113 General Psychology
SOC 1113 Intro to Sociology

General Electives (35 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not count toward this major.
A minor program of study is not required for this major.

2026-2027 Human Services Counseling Check Sheet
2026-2027 Human Services Counseling 4-Year Plan

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2026-2027 Human Services Counseling (Rehabilitation) - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program.

Required Core Courses (12 Credit Hours)
SOWK 2083 Human Behavior & Social Environment I
COUNS 2103 Interviewing Techniques
COUNS 2183 Fundamentals of Counseling
COUNS 3183 Case Management Practice

Required for Rehabilitation Concentration (21 Credit Hours)
COUNS 2213 Introduction to Rahab Counseling
COUNS 3083 Med, Soc & Psych Aspects of Disability
COUNS 3203 Vocational Testing & Evaluation
COUNS 3213 Employment & Placement Techniques
COUNS 3763 Group Processes & Practice
COUNS 4443 Counseling Services
COUNS 4453 Intervention Techniques

Required Electives (12 Credit Hours)
Twelve hours of 3000-4000 level electives in COUNS, SOWK, CRJS, SOR, or PSYCH or an additional section of COUNS 4946.

Required electives may include one or two sections of COUNS 4946 Internship-Human Services Counseling

Related Work (6 Credit Hours)
PSYCH 1113 General Psychology
SOC 1113 Intro to Sociology

General Electives (35 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not count toward this major.
A minor program of study is not required for this major.

2026-2027 Human Services Counseling (Rehabilitation) Check Sheet
2026-2027 Human Services Counseling (Rehabilitation) 4-Year Plan

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2026-2027 Social Work - Bachelor of Social Work (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program.

Required Courses (46 Credit Hours)
SOWK 2083 Human Behavior & Social Environment I
COUNS 2103 Interviewing Techniques
COUNS 3183 Case Management Practice
COUNS 3763 Group Processes & Practice
SOWK 2273 Intro to Social Work & Social Welfare
SOWK 2521 Prof Skills for Soc Work and Soc Welfare
SOWK 3013 Social Work Practice I
SOWK 3613 Social Welfare Policy & Services
SOWK 3833 Research Methods in Social work
SOWK 4423 Human Behavior & Social Environment II
SOWK4494 Social Work Practices II
SOWK 4892 Integrative Seminar in Social Work
SOWK 4946 Internship in Social Work
SOWK 4976 Internship in Social Work II

Related Work (10 Credit Hours)
The following courses satisfy general education, and must be completed prior to SOWK 2083.
BIOL 1114 General Biology
PSYCH 1113 General Psychology
SOC 1113 Introduction to Sociology

General Electives (34 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
A minor program of study is not required for this major.

2026-2027 Social Work Check Sheet
2026-2027 Social Work 4-Year Plan

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2026-2027 Minor in Addictions - Department Majors (18 Credit Hours)

Required Courses
COUNS 2183 Fundamentals of Counseling
COUNS 3283 Addictions & Society
COUNS 3383 Introduction to Addictions
COUNS 3763 Group Processes & Practice
COUNS 3813 Family Systems, Codependency & Additions
COUNS 4453 Intervention Techniques

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2026-2027 Minor in Addictions - Non-Department Majors (21 Credit Hours)

Required Courses
COUNS 2103 Interviewing Techniques
COUNS 2183 Fundamentals of Counseling
COUNS 3283 Additions & Society
COUNS 3383 Introduction to Additions
COUNS 3763 Group Processes & Practice
COUNS 3813 Family Systems, Codependency & Additions
COUNS 4453 Intervention Techniques

2026-2027 Minor Check Sheet

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2026-2027 Minor in Criminal Justice - Department Majors (18 Credit Hours)

Required Course
CRJS 2233 Introduction to Criminal Justice

Electives
Select six (6) hours from the following:
CRJS 2253 Adult Correctional Systems
CRJS 2353 Juvenile Justice Systems
CRJS 2453 The Police Function
CRJS 3423 Introduction to Law Enforcement

Select nine (9) hours from the following:
CRJS 3333 Criminal Behavior
CRJS 3643 Criminal Justice Issues
CRJS 3653 Alternatives to Incarceration
CRJS 4153 Juvenile Program & Settings
CRJS 4293 Police Administration
CRJS 4333 Criminal Investigations I
CRJS 4343 Criminal Investigations II
CRJS 4413 Correctional Programs & Settings
CRJS 4473 Legal Aspects of the Criminal Justice System
CRJS 4623 Interrogation Techniques
CRJS 4981-4 Seminar in Criminal Justice

Special Requirements
Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Human Serv. Counseling - Dept. Majors (18 Credit Hours)

Required Courses
COUNS 2183 Fundamentals of Counseling
COUNS 3203 Vocational Testing & Evaluation
COUNS 4443 Counseling Services
COUNS 4453 Intervention Techniques

Electives
Six (6) hours from 2000-4000 level courses in HURES, COUNS, SOWK, CRJS, SOC or PSYCH.

Special Requirements
Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Human Serv. Counseling - Non-Dept. Majors (18 Credit Hours)

Required Courses
COUNS 2103 Interviewing Techniques
COUNS 2183 Fundamentals of Counseling
COUNS 3183 Case Management Practice
COUNS 3203 Vocational Testing & Evaluation
COUNS 4443 Counseling Services

Electives
Six (6) hours from 2000-4000 level electives in HURES, COUNS, SOWK, CRJS, SOC or PSYCH.

Special Requirements
Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Social Work - Department Majors (18 Credit Hours)

Required Courses
SOWK 2273 Intro to Social Work & Social Welfare
SOWK 2521 Professional Skills for Social & Social Welfare
SOWK 3613 Social Welfare Policy & Services
SOWK 4423 Human Behavior & Social Environment II

Electives
Eight (8) hours of electives approved by Social Work faculty.

Special Requirements
Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Social Work - Non-Department Majors (18 Credit Hours)

Required Courses
COUNS 2103 Interviewing Techniques
COUNS 3183 Case Management Practice
SOWK 2273 Intro to Social Work & Social Welfare
SOWK 2521 Professional Skills for Social & Security Welfare
SOWK 3613 Social Welfare Policy & Services

Electives
Five (5) hours of electives approved by social work faculty.

Special Requirements
Must earn three (3) hours of upper-division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet *(Not Available)*

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Native American Studies Program

Majors Offered
Native American Studies - Bachelor of Arts

Minors Offered
Native American Studies

Course Prefixes
2026-2027 Chickasaw (CHI) Courses
2026-2027 Choctaw (CHO) Courses
2026-2027 Native American Studies (NAS) Courses

Department Information
ECU offers both a BA and a minor in Native American Studies. Native American Studies is an interdisciplinary program that reflects an awareness of the issues which contemporary native communities and peoples confront. By approaching the multiplicity of Indian cultures from a variety of academic perspectives, a deeper understanding of native societies past and present emerges. It makes use of the strengths of university faculty members in history, archaeology, political science, business, nursing, legal studies, art, English, professional programs in human services, and other disciplines.

We also offer a BA in Native American Studies - Cultural Resource Management (CRM). CRM students learn to manage cultural resources that include heritage and the arts. Archaeology and the study of material culture is central to their work. In addition to understanding Native American history and culture, students pursuing this major will learn about tribal, federal, state, and local regulations and guidelines that impact how we manage cultural resources.

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2026-2027 Native American Studies - Bachelor of Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40-hour General Education program.

General Education
It is recommended that students complete MATH 1413 as part of their general education curriculum.

Required Core Courses (18 Credit Hours)
ANTH 2523 Native Peoples of North America
ANTH 2713 Intro to Cultural Anthropology
NAS 1113 Introduction to Native American Studies
NAS 3003 Tribal Sovereignty & Federal Indian Policy; OR
NAS 3013 Intro to Native American Language; OR
NAS 4983 Indigenous Representations in Film & Documentaries
NAS 4113 Research in Native American Studies
NAS 4223 Internship in Native American Studies

Required Electives (18 Credit Hours)
Other approved hours relating to NAS may be substituted if approved by NAS chair.
ANTH 2003 Intro to Cultural Resource Management
ANTH 3003 Archaeological Theory & Methods
ANTH 4503 Archaeology Field School
ANTH 4981-4 Seminar in Cultural Resource Management
BUS 3013 Native American Economic Development
CHI 1113 - 4113 Chickasaw I - IV

CHO 1113 Choctaw I
ENG 3123 Introduction to Linguistics
LS 4143 Introduction to Native American Law
NAS 2113 Chickasaw Humanities: Comparing Culture
NAS 2123 Chickasaw Humanities: Chickasaw Culture
NAS 2883 Special Studies - Muskogee Creek I
NAS 2884 Special Studies - Potawatomi I
NAS 4981-4 Seminar in Native American Studies
PS 3193 Tribal Politics
SOC 3003 Native American Sociology
SOWK 4113 The indian Child Welfare Act

Minor
A minor is not required for this major. A minor may be selected in consultation with the NAS department chair.

General Electives (46 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses do not count in major.

2026-2027 Native American Studies Check Sheet
2026-2027 Native American Studies 4-Year Plan

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Return to Native American Studies

2026-2027 Minor in Native American Studies (18 Credit Hours)

Required Course
ANTH 2523 Native Peoples of North America

Electives
Select 15 other hours approved by the Chickasaw Nation Native American Studies Chair.

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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Interdisciplinary Studies Program

Majors Offered
Interdisciplinary Studies - Bachelor of Arts

Course Prefix
2026-2027 Interdisciplinary Studies (IDS) Courses

Department Information

Eligibility Requirements
The student must have earned at least 60 semester hours.

Admission Requirements
The student must be admitted to East Central University. The student must meet with the Program Director to complete an Individual Learning Plan (ILP) for Interdisciplinary Studies.

Prior Learning
Students in the program may apply transfer credits from other colleges/universities, credit by examination (e.g., CLEP or ECU Challenge Exam), Military and other non-college courses evaluated by the American Council on Education.

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Return to Interdisciplinary Studies Program

2026-2027 Interdisciplinary Studies - Bachelor of Arts (120 Credits)
The 120 credit hours includes ECU's 40-hour General Education program.

Required Core (12 Credit Hours)
IDS 3113 Interdisciplinary Studies
IDS 3123 Professional Field Experience I
IDS 4123 Professional Field Experience II
IDS 4723 Senior Project

Required Interdisciplinary Courses (33 Credit Hours)
Student will complete 33 semester hours of coursework that is approved in the student's Individual Learning Plan (ILP). The ILP must reflect a coherent plan of study in support of the student's academic and career goals. The ILP must include at least 18 hours of credit from ECU and at least 15 hours must be upper division credit.

General Electives (35 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
Students seeking a teaching license under Alternative Certification must meet the requirements of the State Department of Education.
2026-2027 Interdisciplinary Check Sheet

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Return to Interdisciplinary Studies Program

Department of Art, Design, Media & Communication

Majors Offered
Art (Graphic Design) - Bachelor of Fine Arts
Art (Studio Art) - Bachelor of Fine Arts
Art (Teacher Certification) - Bachelor of Fine Arts
Mass Communication (Media Production) - Bachelor of Science
Mass Communication (Strategic Communication) - Bachelor of Science

Minors Offered
Art
Art Therapy Preparation (Fine Arts Majors)
Art Therapy Preparation - Visual Arts (Psych & Human Services Counseling Majors)
Media/Graphic Arts (Mass Comm Majors)
Media/Graphic Arts (Non-Mass Comm Majors)
Mass Communication

Certificates Offered
Mass Communication (Social Media Marketing)

Course Prefixes
2026-2027 Art (ART) Courses
2026-2027 Communication (COMM) Courses
2026-2027 Mass Communication (MCOM) Courses

Department Information
East Central University's Department of Art, Design, Media & Communication encourages collaboration across disciplines and offers major and minor programs in art and mass communication. In the mass communication programs, students develop creative, analytical, and problem-solving skills through hands-on experiences in photography, video and audio production, podcasting, social media marketing and management, crisis communication, advertising, public relations and emerging digital media. Lecture courses engage students in the historical, ethical, legal, and cultural contexts of media while emphasizing critical thinking, audience engagement, and professional communication practices. In the art programs, students develop a personal, aesthetically based, problem solving approach to the visual arts and acquire skills in drawing, painting, printmaking, graphic design, sculpture, ceramics, and digital media. Lecture courses are designed to engage students in the contextuality of art as a historical dialogue. Facilities in the department include studios for drawing, painting, printmaking, ceramics, sculpture, graphic design, photography, audio, and video.

Art Program
The department offers a Bachelor of Fine Arts degree with concentrations in studio art, art education, and graphic design. The concentration in studio art prepares students for careers as artists, studio assistants, artist assistants, printmakers, studio technicians, studio assistants, fabricators, positions in museum settings, or for further study in fine arts graduate programs. The concentration in art education prepares students for positions teaching art in school prekindergarten through grade twelve. The graphic design concentration prepares students for careers including graphic design, typography, layout publication, corporate image design, and motion graphics.

Mass Communication Programs
The department offers a Mass Communication major with concentrations in media production. and strategic communication. Students in the media production concentration develop technical and creative skills to prepare for careers in content creation, media writing and editing, publication design, video and audio production, photography, podcasting, filmmaking, studio broadcasting, sports media, journalism, streaming media, multimedia storytelling, and emerging digital media industries. Students in the strategic communication concentration prepare for careers in strategic communication, public relations, advertising, branding, digital marketing, social media marketing and management, corporate communication, event planning and promotion, and content strategy. Students learn to create effective campaigns, build and manage brands, develop persuasive messaging, analyze audiences, and communicate across traditional and digital media platforms, preparing them for leadership roles in agencies, businesses, government, and non-profit organizations.

Internship Hours
Over the course of a semester, a student might complete 40 logged internship hours per 1 internship course credit hour completed. Internships are offered every semester in 1-3 credit hour courses and may be repeated for additional credit.

Minors & Certificates
Minors are offered in Art, Art Therapy, Media/Graphic Arts, and Mass Communication. There is a certificate in Mass Communication in Social Media Marketing.

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Return to Department of Art/Design/Media/Comm

2026-2027 Art - Graphic Design - Bachelor of Fine Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program. The Art major and Graphic Design concentration requires 75 credit hours.

Foundation Core (33 Credit Hours)
ART 1123 Computers for Creatives
ART 1133 Drawing I
ART 1143 Theory & Social Practice

ART 1213 Two Dimensional Design
ART 1313 Three Dimensional Design
ART 2243 Art History Survey I
ART 2253 Art History Survey II
ART 2273 Survey of Multicultural Art
ART 2423 Color Theory
ART 3713 Printmaking I
ART 4213 History of Art Contemporary

Design Core (18 Credit Hours)
ART 2153 Typography I
ART 2943 Principles of Graphic Design
ART 3133 Drawing I
ART 3153 Typography II
ART 3943 Graphic Design I
MCOM 1713 Introduction to Photography

Advanced Design Core (12 Credit Hours)
ART 3303 Motion Graphics
ART 3403 Figure Drawing I
ART 3953 Graphic Design II
ART 3163 Publication Design

Major Electives (9 Credit Hours)
Select three (3) courses from the following:
ART 3143 Drawing III
ART 3413 Figure Drawing II
ART 3903 Figure Drawing III
ART 2113 History of Graphic Design
ART 4113 Motion Graphics II
ART 4981-4 Seminar in Art: Topic TBA
MCOM 1813 Introduction to Video
MCOM 3043 AR/VR Production
MCOM 3063 Emerging Media
MCOM 3333 Intermediate Photography
MCOM 3343 Imaging for Media
MCOM 4223 Social Media Art Photography
MCOM 4323 Multimedia Design Lab
MCOM 4711-3 Professional Internship

Capstone Courses (3 Credit Hours)
ART 4741 Professional Practice I
ART 4841 Professional Practice II
ART 4971 Senior Exhibit

General Electives (5 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not count toward this major.
A minor program of study is not required for this major.

2026-2027 Art Graphic Design Check Sheet
2026-2027 Art Graphic Design 4-Year Plan

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2026-2027 Art -Studio Art - Bachelor of Fine Arts (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program. The Art major and Studio Arts concentration requires 72 credit hours.

Foundation Core (33 Credit Hours)
ART 1123 Computers for Creatives
ART 1133 Drawing I
ART 1143 Theory & Social Practice
ART 1213 Two Dimensional Design
ART 1313 Three Dimensional Design
ART 2243 Art History Survey I
ART 2253 Art History Survey II
ART 2273 Survey of Multicultural Art
ART 2423 Color Theory
ART 3713 Printmaking I
ART 4213 History of Art Contemporary

Studio Core (15 Credit Hours)
MCOM 1713 Introduction to Photography

Select one course from the following:
ART 3133 Drawing II; OR
ART 3403 Figure Drawing I

Select three courses from the following:
ART 2213 Watercolor 1
ART 2313 Painting I
ART 3513 Sculpture I
ART 3813 Ceramics I
MCOM 3063 Emerging Media

Advanced Design Core (6 Credit Hours)
Select two courses from the following:
ART 3213 Watercolor II
ART 3313 Painting II
ART 3413 Figure Drawing II
ART 3613 Sculpture II
ART 4713 Printmaking II
ART 4813 Ceramics II

Vertical Foundation (9 Credit Hours)
ART 2103 Integrated Studio I
ART 3103 Integrated Studio II
ART 4103 Integrated Studio III

Studio Electives (6 Credit Hours)
Select two course from the following
ART 3133 Drawing II; OR
ART 3143 Drawing III
ART 3623 Sculpture III
ART 3903 Figure Drawing III
ART 4723 Printmaking III
ART 4813 Ceramics II; OR
ART 4823 Ceramics III
ART 4981-4 Seminar in Art: Topic TBA

Capstone Core (3 Credit Hours)
ART 4741 Professional Practice I
ART 4841 Professional Practice II
ART 4971 Senior Exhibit

General Electives (8 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
A minor program of study is not required for this major.

2026-2027 Art - Studio Art Check Sheet *(Contact Department)*
2026-2027 Art - Studio Art 4-Year Plan

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2026-2027 Art - Teacher Certification - Bachelor of Fine Arts (124 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program. It is recommended that program majors complete MATH 1413 and BIOL 1114 toward their general education requirement. Program majors are required to complete COMM 1113 Fundamentals of Human Communication and PSYCH 1113 General Psychology as part of their general education requirements.

Foundation Core (33 Credit Hours)
ART 1123 Computers for Creatives
ART 1133 Drawing I
ART 1143 Theory & Social Practice
ART 1213 Two Dimensional Design
ART 1313 Three Dimensional Design
ART 2243 Art History Survey I
ART 2253 Art History Survey II
ART 2273 Survey of Multicultural Art
ART 2423 Color Theory
ART 3713 Printmaking I
ART 4213 History of Art Contemporary

Studio Core (21 Credit Hours)
ART 2313 Painting I
ART 2943 Principles of Graphic Design
ART 3133 Drawing II
ART 3403 Figure Drawing I
ART 3513 Sculpture I
ART 3813 Ceramics I
MCOM 1713 Introduction to Photo

Advanced Design Core (3 Credit Hours)
Select one course from the following:
ART 3313 Painting II
ART 3413 Figure Drawing II

ART 3613 Sculpture II
ART 4713 Printmaking II
ART 4813 Ceramics II
MCOM 3063 Emerging Media

Methods Core (3 Credit Hours)
ART 4513 Art for Secondary Teachers

Related Work (6 Credit Hours)
COMM 1113 Fundamentals of Human Communication
PSYCH 1113 General Psychology

Professional Education (30 Credit Hours)
EDUC 2402 Survey of the Exceptional Child
PSYCH 3463 Child & Adolescent Psychology
EDUC 2012 Diversity in American Education
EDUC 2631 Foundations of Education Technology
EDUC 2211 Field Experience I
EDUPSY 3513 Education Psychology
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4964 Sup Student Teaching Grades PK-12
EDUC 4964 Sup Student Teaching Grades PK-12

Special Requirements
The OSRHE computer proficiency graduation requirement will be met through the completion of the courses EDUC 4611 Field Experience III and EDUC 4632 Education Technology (including equated or substituted courses), both of which are required courses in the professional education sequence. Student in this major are not required to complete a separate minor.

2026-2027 Art - Teacher Certification Check Sheet
2026-2027 Art - Teacher Certification 4-Year Plan

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2026-2027 Mass Comm - Media Production - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program. The Mass Communication major and Media Production concentration requires 57 credit hours.

Required Core Courses (27 Credit Hours)
ART 1123 Computers for Creatives
MCOM 1733 Introduction to Mass Media
MCOM 2733 Writing for Media I
MCOM 3053 Social Media Management
MCOM 3783 Writing for Media II
MCOM 3853 Media Ethics & Law
MCOM 4012 Career Preparation
MCOM 4611 Senior Portfolio in Mass Comm

Select one course from the following:
MCOM 1713 Introduction to Photography
MCOM 1813 Introduction to Video Production

Select one course from the following:
MCOM 3013 Media Practicum
MCOM 4323 Media Design Lab
MCOM 4711-4 Professional Internship

Required for Media Production Concentration (12 Credit Hours)
MCOM 2753 Introduction to Audio Production

Select one course from the following:
**The course selected must not have been completed toward the core requirements above.*
MCOM 1713 Introduction to Photography
MCOM 1813 Introduction to Video Production

Select one course from the following:
MCOM 3333 Intermediate Photography
MCOM 3873 Intermediate Video Production

Select one course from the following:
MCOM 3343 Imaging for Media
ART 2943 Principles of Graphic Design

Major Electives (18 Credit Hours)
Six (6) courses must be completed toward this portion of the major. Any MCOM course not already completed will count toward this requirement. Students may also count any of the following toward the requirement.

ART 3303 Motion Graphics I
ART 3943 Graphic Design I
ART 3953 Graphic Design II
ART 3163 Publication Design
ART 2113 History of Graphic Design
ART 4113 Motion Graphics II
ENG 2243 Introduction to Creative Writing
ENG 3143 Introduction to Film
HUM 2813 Interpreting Film

General Electives (23 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
A minor program is not required for this major.

2026-2027 Mass Comm - Media Production Check Sheet
2026-2027 Mass Comm - Media Production 4-Year Plan

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2026-2027 Mass Comm - Strategic Communication - Bachelor of Science (120 Credit Hours)
The 120 credit hours includes ECU's 40 hour General Education program. The Mass Communication major and Strategic Communication concentration requires 57 credit hours.

Required Core Courses (33 Credit Hours)
ART 1123 Computers for Creatives
MCOM 1733 Introduction to Mass Media
MCOM 2733 Writing for Media I
MCOM 3053 Social Media Management
MCOM 3783 Writing for Media II
MCOM 3853 Media Ethics & Law
MCOM 4012 Career Preparation
MCOM 4611 Senior Portfolio in Mass Comm

Select one course from the following:
MCOM 1713 Introduction to Photography
MCOM 1813 Introduction to Video Production

Select one course from the following:
MCOM 3013 Media Practicum
MCOM 4323 Media Design Lab
MCOM 4711-4 Professional Internship

Required for Strategic Communication Concentration (12 Credit Hours)
MCOM 3823 Advertising
MCOM 3893 Public Relations
MCOM 4043 Digital Promotions
MCOM 4013 Crisis Communication

Major Electives (18 Credit Hours)
Six (6) courses must be completed toward this portion of the major. Any MCOM (not already counted toward the major) or MKTG course will count toward this requirement. Students may also count any of the following toward the requirement.

ART 2943 Principles of Graphic Design
ART 3943 Graphic Design I
ART 3953 Graphic Design II
ART 3163 Publication Design
ART 2113 History of Graphic Design
ENG 2243 Introduction to Creative Writing
ENG 3183 Technical and Professional Writing
ENG 3193 Persuasive Writing & Logic

General Electives (23 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
A minor program is not required for this major.

2026-2027 Mass Comm - Strategic Comm Check Sheet
2026-2027 Mass Comm - Strategic Comm 4-Year Plan

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2026-2027 Minor in Art (18 Credit Hours)

Required Courses
ART 1133 Drawing I
ART 1213 Two Dimensional Design
ART 1313 Three Dimensional Design

Nine (9) hours from the following:
Painting
Drawing
Watercolor
Sculpture
Ceramics
Printmaking

Non-art majors are highly encouraged to take ART 1123 Computers for Creatives.

Students majoring in ART with a Graphic Design or Art Teacher Certification concentration must take additional hours in art to substitute for ART 1113, ART 1133, ART 1213 and any other art classes used on the major requirements.

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Art Therapy - Fine Arts (21 Credit Hours)
Fine Arts Majors

Required Courses
COUNS 2103 Interviewing Techniques
COUNS 2183 Fund. of Counseling
COUNS 3083 Medical, Social & Psychological Aspects of Disability
COUNS 3763 Group Processes and Practice
PSYCH 1113 General Psychology
PSYCH 3463 Child and Adolescent Psychology
PSYCH 4133 Abnormal Psychology

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

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2026-2027 Minor in Art Therapy - Visual Arts (21 Credit Hours)
Psych & Human Services Counseling Majors

Required Courses
ART 1133 Drawing I
ART 2313 Painting I
ART 3133 Drawing II
ART 3513 Sculpture I
ART 3713 Printmaking I
ART 3813 Ceramics I

Select three (3) hours from the following:
ART 3313 Painting II
ART 3613 Sculpture II
ART 4713 Printmaking II

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Media/Graphic Arts (18 Credit Hours)
Mass Communication Major

Required Courses (12 Credit Hours)
ART 1133 Drawing I
ART 1213 Two Dimensional Design
ART 2153 Typography I
ART 3943 Graphic Design I

Elective Courses (6 Credit Hours)
ART 3953 Graphic Design II
ART 3153 Typography II
ART 3303 Motion Graphics
ART 3163 Publication Design
ART 2113 History of Graphic Design
ART 4113 Motion Graphics II
ART 3713 Printmaking I
ART 4981-3 Seminar in Art: Graphic Design Topic TBA

Special Requirements
Mass Communication majors must take ART 2943 Principles of Graphic Design and MCOM 3333 Intermediate Photography as two of their major electives. Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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Return to Department of Art/Design/Media/Comm

2026-2027 Minor in Media/Graphic Arts (18 Credit Hours)
Non-Mass Communication Major

Required Courses
ART 1133 Drawing I
ART 1213 Two Dimensional Design
ART 2943 Principles of Graphic Design
ART 2153 Typography I
ART 3943 Graphic Design I
MCOM 1713 Introduction to Photography; OR
MCOM 1813 Introduction to Video

Special Requirements

Students are strongly advised to use elective hours to complete course work in MCOM 3333 Intermediate Photography, ART 3953 Graphic Design II, and/or ART 3153 Typography II.

Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Minor in Mass Communication (18 Credit Hours)

Required Course
ART 1123 Computers for Creatives

Select fifteen (15) hours from any Mass Communication courses.

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor Check Sheet

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2026-2027 Certificate in Mass Comm - Social Media Marketing (21 Credit Hours)

Required Core (15 Credit Hours)
MCOM 3053 Social Media Management
MCOM 4013 Crisis Communication
MCOM 4043 Digital Promotions
MCOM 4223 Social Media Art Photography

Required Elective Courses (6 Credit Hours)
Select two from the following:
MCOM 2881-4 Special Studies in Mass Communication
MCOM 3343 Imagine for Media
MCOM 3823 Advertising
MCOM 3893 Public Relations
MCOM 4711-3 Professional Internship
MCOM 4981-3 Seminar in Mass Communication

2025-2026 Certificate Check Sheet

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Return to Department of Art/Design/Media/Comm

Department of Performing Arts

Majors Offered
Music (Instrumental - Teacher Certification) - Bachelor of Science
Music (Instrumental) - Bachelor of Science
Music (Vocal - Teacher Certification) - Bachelor of Science
Music (Vocal) - Bachelor of Science

Minors Offered
Music

Course Prefixes
2026-2027 Music (MUS) Courses
2026-2027 SFA Courses

Departmental Information
The Department of Performing Arts provides a general music education foundation for all students along with individual professional preparation for selected major fields within music.The department also enriches the cultural life of the campus and community. Students are encouraged to participate in band, choral and instrumental ensembles and theatre productions regardless of their major.

Music Program
The Department of Performing Arts offers the following degree programs: the Bachelor of Science degree with music majors in the Instrumental Concentration, the Instrumental Teacher Certification Concentration, the Vocal Concentration, and the Vocal Teacher Certification Concentration. Each area has options designed as preparation for careers in concert, theater, media performance, or as teacher-preparation leading to kindergarten through high school certification. Students who wish to prepare for a career in music business may complete the minor in Business Administration for Music Majors. Other minors and special endorsements in music are also available.

The curriculum has been designed to assist all participating students in reaching their maximum potential. Toward this end, the primary objectives of the undergraduate programs are (1) to further the performance ability in at least one musical medium, (2) to provide future teachers with the knowledge and skills necessary for them to be successful as professional music educators, (3) to allow some "semi-specialization" through courses directed toward instrumental and/or vocal education, and (4) to provide students with a wide range of educational/musical experiences which will encourage continued professional growth.

Applied Music
Individual & Class Instruction Voice, Piano, Organ, Wind, String and Percussion Instruments
Private and class lessons: one semester hour credit for one half-hour private lesson, or two or more half-hour class lessons, with five hours of practice expected per week, for a semester or equivalent time in a shorter term. The course numbers appear as upper or lower level in each of the Applied Music areas, and include one or two credit hours.

Private instruction course numbers for music majors and minors are as follows: 2201 - minor instrument (lower level), 2222 - major instrument (lower level), 3301 minor instrument (upper level), 3332 - major instrument (upper level). Numbers above 4082 indicate study completed beyond eight terms. The course description for all private instruction is "The study of solo vocal and instrumental literature of different historical periods and styles, and of diction in English, French, German, and Italian."

Other Important Information for Music Majors

- Participation in a music ensemble designed by the department as appropriate for the student's degree program is required each fall and spring semester at ECU, except for the student teaching semester of music education majors.
- Music majors must successfully complete eight semesters of MUS 1000 Performing Arts Recital (zero hours of credit, graded P/NP) for the Bachelors of Science-*non-teacher certification*, and seven semesters for the Bachelors of Science-*teachers certification*. Additional information, including modification of the requirement for transfers who were music majors at their previous institution, is given in the Music Department Handbook.
- Proficiency tests in Piano, in Theory and in Applied Music must be taken at the end of the sophomore year or its equivalent; transfer students must take these proficiency tests during their first week of classes at ECU. Re-examination will be permitted, but the tests must be passed before the senior recital. In Applied Music, a Proficiency Jury must be passed in order to enroll in 3000-level courses.
- ECU requires all music majors to complete a senior recital. The recital sequence requires performing and passing a preview recital at least 30 days prior to the senior recital. The requirement cannot be fulfilled through transfer credit. The student's passing grade will indicate successful completion of the recital in the final semester.
- Students declaring a Music major starting in the fall of 2015 or later, must successfully complete two semesters of SFA 1000 Cultural Attendance (zero hours of credit, graded P/NP).

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2026-2027 Music (Instrumental) Teacher Cert. - Bachelor of Science (135 Credit Hours)
The 135 credit hours includes ECU's 40 hour General Education program. The major has two required general education courses, which can be found below under Related Work.

Required Music Core (12 Credit Hours)
MUS 1000 Performing Arts Recital (enroll each semester)
MUS 1113 Music Theory & Ear Training I
MUS 1133 Music Theory & Ear Training II
MUS 1233 Music Theory & Ear Training III
MUS 3113 Music Theory & Ear Training IV
SFA 1000 Cultural Attendance (must pass two times)

Required Core Courses (53 Credit Hours)
MUS 1511 Class Instruction in Brass Instruments
MUS 1611 Class Instruction in Woodwind Instruments
MUS 1711 Class Instruction in String Instruments
MUS 1811 Class Instruction in Percussion Instruments
MUS 2111 University Singers (enroll two semesters); OR
MUS D2131 Vocal Ensembel - Univ. Chorale
MUS 2211 Band (enroll for 7 semesters)
MUS 2422 Intro to Music Education

MUS 3211 Principles of Conducting
MUS 2433 World Music
MUS 3232 Marching Band Techniques
MUS 3633 History of Music Through Bach
MUS 3643 History of Music Since Bach
MUS 3831 Instrumental Conducting
MUS 3831 Instrumental Conducting
MUS 4113 Musical Form & Analysis
MUS 4412 Music in the Elementary School
MUS 4432 Instrumental Music in the School
MUS 4512 Admin of the Instrumental Music Prog
Major Instrument (eight hours)
Minor Instrument (three hours)
Piano (four hours)

Related Work (6 Credit Hours)
Required General Education Courses
COMM 1113 Fundamentals of Human Communication
PSYCH 1113 General Psychology

Minor
The professional education courses below are used for the minor. No additional minor is required for this major.

Professional Education (30 Credit Hours)
EDUC 2402 Survey of the Exceptional Child
PSYCH 3463 Child & Adolescent Psychology
EDUC 2012 Diversity in American Education
EDUC 2631 Foundations of Education Technology
EDUC 2211 Field Experience I
EDUPSY 3513 Education Psychology
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4964 Sup Student Teaching Grades PK-12
EDUC 4964 Sup Student Teaching Grades PK-12

Special Requirements
"Teachers" or "methods" courses may not count toward this major.

2026-2027 Music (Instrumental) Teacher Certification Check Sheet
2026-2027 Music (Instrumental) Teacher Certification 4-Year Plan

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2026-2027 Music (Instrumental) - Bachelor of Science (122 Credit Hours)
The 122 credit hours includes ECU's 40 hour General Education program.

Required Music Core (12 Credit Hours)
MUS 1000 Performing Arts Recital (enroll each semester)
MUS 1113 Music Theory & Ear Training I
MUS 1133 Music Theory & Ear Training II
MUS 1233 Music Theory & Ear Training III
MUS 3113 Music Theory & Ear Training IV
SFA 1000 Cultural Attendance (must pass two times)

Required for Instrumental Concentration (51 Credit Hours)
MUS 1511 Class Instruction in Brass Instruments
MUS 1611 Class Instruction in Woodwind Instruments
MUS 1711 Class Instruction in String Instruments
MUS 1811 Class Instruction in Percussion Instruments
MUS 2211 Band (enroll for 8 semesters)
MUS 2422 Intro to Music Education
MUS 3211 Principles of Conducting
MUS 2433 World Music
MUS 3633 History of Music Through Bach
MUS 3643 History of Music Since Bach
MUS 3831 Instrumental Conducting
MUS 4113 Musical Form & Analysis
Major Instrument (sixteen hours)
Minor Instrument (three hours)
Piano (four hours)

Minor
A minor program of study is not required for this major. Students who wish to prepare for a career in Music Business may complete the minor in Business Admin for Music Majors.

General Electives (19-25 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not count for this major.

2026-2027 Music (Instrumental) Check Sheet
2026-2027 Music (Instrumental) 4-Year Plan

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2026-2027 Music (Vocal) - Teacher Cert. - Bachelor of Science (132 Credit Hours)
The 132 credit hours includes ECU's 40 hour General Education program. This major includes two required general education courses, which are listed under the Related Work section.

Required Music Core (12 Credit Hours)
MUS 1000 Performing Arts Recital (enroll each semester)
MUS 1113 Music Theory & Ear Training I
MUS 1133 Music Theory & Ear Training II
MUS 1233 Music Theory & Ear Training III
MUS 3113 Music Theory & Ear Training IV
SFA 1000 Cultural Attendance (must pass two times)

Required Core Courses (50 Credit Hours)
MUS 1121 Vocal Diction I
MUS 1521 Class Instruction in String Instruments
MUS 1711 Class Instruction in Wind Instruments
MUS 1811 Class Instruction in Percussion Instruments
MUS 2111 University Singers (enroll for 7 semesters); OR
MUS D2131 Vocal Ensemble - Univ. Chorale
MUS 2422 Intro to Music Education
MUS 3211 Principles of Conducting
MUS 3241 Vocal Diction II
MUS 2433 World Music
MUS 3621 Vocal Pedagogy
MUS 3633 History of Music Through Bach
MUS 3643 History of Music Since Bach
MUS 3871 Choral Conducting
MUS 4113 Musical Form & Analysis
MUS 4412 Music in the Elementary School
MUS 4532 Vocal Music in the Secondary School
Major Instrument - Voice (eleven hours)
Minor Instrument - Piano (six hours)

Related Work (6 Credit Hours)
Required General Education Courses
COMM 1113 Fundamentals of Human Communication
PSYCH 1113 General Psychology

Minor
The professional education courses below are used for the minor. No additional minor is required for this major.

Professional Education (30 Credit Hours)
EDUC 2402 Survey of the Exceptional Child
PSYCH 3463 Child & Adolescent Psychology
EDUC 2012 Diversity in American Education
EDUC 2631 Foundations of Education Technology
EDUC 2211 Field Experience I
EDUPSY 3513 Education Psychology
EDUC 3001 Field Experience II
EDUC 4052 Effective Teaching in Secondary Education
EDUC 4611 Field Experience III
EDUC 4632 Education Technology Integration Strategies
EDUC 4262 Student Teaching Seminar I
EDUC 4282 Student Teaching Seminar II
EDUC 4964 Sup Student Teaching Grades PK-12
EDUC 4964 Sup Student Teaching Grades PK-12

Special Requirements
"Teachers" or "methods" courses may not count toward this major.

2026-2027 Music (Vocal) - Teachers Certification Check Sheet
2026-2027 Music (Vocal) - Teachers Certification 4-Year Plan

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2026-2027 Music (Vocal) - Bachelor of Science (122 Credit Hours)

The 122 credit hours includes ECU's 40 hour General Education program. This major does require certain general education courses to be completed - see the Related Work section below.

Required Core Courses (12 Credit Hours)
MUS 1000 Performing Arts Recital (enroll each semester)
MUS 1113 Music Theory & Ear Training I
MUS 1133 Music Theory & Ear Training II
MUS 1233 Music Theory & Ear Training III
MUS 3113 Music Theory & Ear Training IV
SFA 1000 Cultural Attendance (must pass two times)

Required for Vocal Concentration (48 Credit Hours)
MUS 1121 Vocal Diction I
MUS 1711 Class Instruction in String Instruments
MUS 2111 University Singers (enroll for 8 semesters); OR
MUS D2131 Vocal Ensemble - Univ Chorale
MUS 2422 Intro to Music Education
MUS 3211 Principles of Conducting
MUS 3241 Vocal Diction II
MUS 2433 World Music
MUS 3621 Vocal Pedagogy
MUS 3633 History of Music Through Bach
MUS 3643 History of Music Since Bach
MUS 3871 Choral Conducting
MUS 4113 Musical Form & Analysis
Major Instrument - Voice (sixteen hours)
Minor Instrument - Piano (four hours)

Related Work (6 Credit Hours)
Required General Education - select one from the following:
FREN 1113 Elementary French I
RUSS 1113 Elementary Russian I
SPAN 1113 Elementary Spanish I

Require Electives
Select one of the following courses:
FREN 1223 Elementary French II
RUSS 1223 Elementary Russian II
SPAN 1223 Elementary Spanish II

Minor
A minor program is not required for this major. Students who wish to prepare for a career in Music Business may complete the minor in Business Administration for music majors.

General Electives (16-28 Credit Hours)
An elective course is any college-level course not required by the major program, but utilized to reach the minimum 120 credit hour requirement for degree completion. Elective courses are chosen according to the interest of the student.

Special Requirements
"Teachers" or "methods" courses may not count toward this major.

2026-2027 Music (Vocal) Check Sheet
2026-2027 Music (Vocal) 4-Year Plan

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2026-2027 Minor in Music (20 Credit Hours)

Required Courses
MUS 1000 Performing Arts Recital (4 semesters)
MUS 1113 Music Theory & Ear Training I

Major Applied Area - 4 hours (taken in 4 semesters)

Ensembles
Four (4) hours - select from the following:
MUS 2211
MUS D2131
MUS C2311
MUS D2311
MUS 2231
MUS H2311

Electives
Select three courses from the following:
MUS 3503 History of Musical Theatre
MUS 1133 Music Theory & Ear Training II
MUS 2533 Music in Life
MUS 3633 History of Music Through Bach
MUS 3643 History of Music Since Bach

Special Requirements
Must earn three (3) hours of upper division work at ECU towards minor to complete minor residency requirement.

2026-2027 Minor in Music Check Sheet

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2026-2027 SCHOOL OF GRADUATE STUDIES

2026-2027 School of Graduate Studies
Jason Prather Ph.D, Dean

Introduction to the School of Graduate Studies
Programs - Summary list
Admissions Requirements
Retention Information
Time & Progress to Degree Completion
Earning a Second Master's Degree

Introduction to the School of Graduate Studies
Graduate education offers students the opportunity to build upon prior educational achievements to increase knowledge and related skills for career or personal goals. As such, graduate courses assume students possess the commitments and academic skills necessary to approach increased levels of content mastery and application. Correspondingly, faculty will create courses with grading, testing, research and related standards clearly exceeding those reflected in undergraduate education.

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Programs

Harland C. Stonecipher School of Business	Program Number	Format	Credit Hours/Admit GPA
Master of Business Administration (MBA)	0650	Mixed	30 / 3.00
Master in Management (MIM)	1020	Mixed	30 / 3.00
Master of Science in Accounting (MSA)	0970	Mixed	30 / 3.00
College of Education & Psychology			
Doctorate of Education (EdD) in Rural Education	0630	Online	60/3.00
Education Specialist (EdS)	0620	Mixed	63 / 3.00
Master of Education (MEd)	0980	*(see below)*	*(see below)*
Options			
Education Leadership	0980	Online	32 / 2.50
Library Media	0900	Online	32 / 2.50
School Counseling	0843	Mixed	33 / 2.50
School Psychometry	1060	Mixed	32 / 2.50
Special Education	0850	Online	32 / 2.50
Sports Administration	1050	Online	30 / 2.50
Non-Degree Seeking Pathways			
Alternative Principal	087A	Online	20 / 2.50
School Superintendent	0875	Online	16 / 2.50
Special Ed. Bootcamp	087B	Online	9 / 2.50
Master of Science (MS)			
Options			
Applied Psychology	1090	Online	30 / 3.00
Sports Psychology	1080	Online	30 / 3.00
Master of Science in Psychological Services (MSPS)			

Options			
Counseling Psychology	0860	Mixed	60 / 3.00
Certificates			
School Psychologist	1000	Mixed	60 / 3.00
School Psychometrist	1010	Mixed	30 / 3.00
College of Health & Sciences			
Master of Science in Biological Sciences (MS)			
Options			
Biological Sciences (General Option)	0640	On-Campus	30/2.50
Health Sciences	0641	On-Campus	30/2.50
Water Sciences	0642	On-Campus	30/2.50
College of Liberal Arts & Social Sciences			
Master of Art in Criminal Justice Administration (MA)	1070	Online	30 / 3.00
Master of Sci. Clinical Mental Hlth. Counseling (MS)	0894	Online	60 / 3.00
Master of Sci. in Water Rsc. Policy & Mgmt (MSWRPM)	1030	Online	30 / 3.00

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Admissions Requirements

Admission to University
Persons desiring admission to the School of Graduate Studies must first be admitted to the University.

1. Complete an ECU Application for Admission/Readmission;
2. Submit one (1) official transcript from each undergraduate and graduate institution attended, other than East Central University.

Admission to the School of Graduate Studies
The School of Graduate Studies processes applications for admission to Graduate Studies. Students may be granted unconditional, conditional, provisional, or concurrent admission status. A student seeking admission to a Graduate Degree Program must complete the following steps:

1. Submit all other credentials required for admission to a specific Graduate Degree Program;
2. Develop a program of study in consultation with an assigned advisor.

Standards for Admission
1.) Hold a baccalaureate degree from an accredited college or university.
2.) Meet the academic admission requirements for the Graduate Degree Program sought:

a. Program GPA
   - All MEd programs require a minimum undergraduate cumulative GPA of 2.5.
   - All other programs require a minimum undergraduate cumulative GPA of 3.0.

b. Resume/Curriculum Vita
   - Must include contact information for three (3) references that can speak to your academic preparedness for graduate level work.

c. Writing Sample

Admission to one graduate degree program/option does not imply admission to any other graduate degree program/option, nor does it imply admission to any undergraduate degree option.

Unconditional Admission
Unconditional admission to the School of Graduate Studies indicates that the applicant has submitted all relevant documents and met all requirements for admission to the University, the School of Graduate Studies, and the specific Graduate Degree Program.

Conditional Admission
Conditional admission to the School of Graduate Studies may be granted to an applicant who has met all academic requirements for unconditional admission, but has not submitted all documentation required by the Graduate Degree Program. Students with conditional admission may register for courses for one semester. Students must submit all program documentation and be admitted to the graduate degree program to enroll in subsequent semesters. No more than one semester of credit may be applied to a Graduate Degree Program; time limits apply to these credits.

Provisional Admission
Provisional admission to the School of Graduate Studies may be granted to an applicant who does not meet all the requirements for unconditional admission to a Graduate Degree Program. Students must submit all required program documents and be approved by the Graduate Degree Program to be admitted. When a student admitted on a provisional basis successfully completes all program provisions, the student will be moved to unconditional admission status. Students failing to meet one or more program provisions will be suspended.

Dual Enrollment Undergraduate & Graduate Student Policy
A senior undergraduate student who has successfully completed a minimum of 100 credit hours, may be permitted to enroll in courses applicable to a graduate degree program at ECU. Approval is subject to the following requirements:

1.) Senior standing and having completed a minimum of 100 credit hours.
2.) Students must apply to the graduate school.

- This creates a graduate record allowing your courses to apply toward a graduate degree.
- Graduate credit hours earned MAY NOT be applied toward an undergraduate degree.
    - Please read the section below titled GR Courses/UG Transcripts/UG Degrees for a full understanding of this policy.

GR Courses/UG Transcripts/UG Degrees: Effective Fall 2025, in order for an undergraduate (UG) student to enroll in a graduate (GR) level course, prior approval from the Graduate Dean will be required. Prior to that approval the student will be assigned a GR record (i.e., GR program). The approval to enroll in a GR course/s will only be granted for academic terms that begin after the GR program start date. Under these circumstances, it is true that a GR course will not count toward a UG degree.

If, however, a UG student manages to enroll in a GR course that begins prior to the start date of his/her GR program - either because the enrollment took place prior to Fall 2025 or by any other means - the GR course will appear on the UG transcript. In such cases, if the GR course is present on the UG transcript when the student's bachelor's degree is awarded, that GR courses will be considered part of the student's UG curriculum - regardless of whether it was used to fulfill a specific graduation requirement - and as such, may not be moved to the GR record at a later point in time. Prior to the award of their bachelor's degree, a student may contact the Records Office and request any GR courses showing on their UG transcript be moved to the GR transcript. Once posted to the GR transcript a course may not be moved to the UG transcript. No course may count toward a GR degree unless the course is transcribed to the GR transcript.

3.) Dual Enrollment Graduate Load Provisions:

- - Fall and Spring Semesters:
        - Students may take a maximum of fifteen (15) hours.
            - Nine (9) undergraduate and six (6) graduate credit hours; OR
            - Twelve (12) undergraduate and three (3) graduate credit hours
    - Summer Term
        - Students may take a maximum of six (6) hours.
            - Three (3) undergraduate and three (3) graduate credit hours; OR
            - Six (6) graduate credit hours

Further Notes: No more than six (6) hours in a semester may be applied to a graduate degree program. No more than twelve (12) semester hours earned under this policy may be applied to a graduate degree program.

4.) Student seeking financial aid should meet with their Financial Aid Counselor before enrolling in both graduate and undergraduate courses.

5.) In the event that baccalaureate graduation requirements are not met, the dually enrolled student will be deemed ineligible for admission and their GR program will be ended by the Graduate School.

Dual Enrollment Master's & Doctoral Student Policy
A master's student who is in their final semester, with no more than six (6) hours left in their degree, may be permitted to enroll in courses applicable to the Education Doctorate degree program.

Approval is subject to the following requirements:

1.) ECU Master's student in their final semester, with no more than six (6) hours left before completion.
2.) Student has been admitted to the Education Doctorate Program.

- Students will be provisionally admitted to the Doctoral Program.
- Failure to successfully complete the master's degree in one semester, will lead to suspension from the Doctoral Program.
    - Students may continue doctoral courses after completion of the master's degree.

3.) Dual Enrollment Doctoral Load Provisions:

- Fall and Spring Semesters:
    - Students may take a maximum of nine (9) hours.
        - Six (6) masters and three (3) doctoral credit hours; OR
        - Three (3) masters and six (6) docotoral credit hours
- Summer Term:
    - Students may take a maximum of six (6) hours.
        - Three (3) masters and six (3) doctoral credit hours.

Further Notes: Education Doctorate (6000/7000) credit hours earned MAY NOT be applied toward a master's degree. Students seeking financial aid should meet with their financial aid counselor before enrolling in both master's and doctoral courses.

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Retention Information

Overall GPA
Graduate students must maintain an overall ECU graduate retention grade point average (GPA) of 3.0 or higher to remain academically in good standing with the School of Graduate Studies. For more information concerning academic standing within the School of Graduate Studies, please see the full academic policy section of this catalog.

Course Grades
Master’s and Educational Specialist (EdS) degree students can earn no more than two (2) C’s in their graduate degree program to remain academically in good standing with the School of Graduate Studies. Master’s students earning a grade of D or F in a course may not count that course toward their master’s degree program requirements. Some programs have more stringent grade requirements.

Doctor of Education (EdD) students must earn grades of A, B, or P in their coursework. Doctoral students earning a grade of C, D, or F in a course may not count that course toward their graduate degree program requirements. Students will be placed on probation and/or suspension if their GPA falls below 3.0 or if a student earns a grade below a B in any course in the EdD.

Seminar and Pass/Fail Credit Limits
Credit earned in seminars must be germane to the student's Master's Degree Program and approved by the program director in order to count toward a master's degree. No more than three (3) hours of course work graded as pass/fail may count toward a master's degree. Specific programs may have exceptions for practicums and internships.

The Doctoral Degree Program has a required fifteen (15) hours graded as pass/fail. Doctoral students may substitute an additional three (3) hours graded as pass/fail. No more than eighteen (18) hours of course work graded as pass/fail may count toward a doctoral degree. Specific programs may have exceptions for practicums and internships

Certification Courses
Graduate certificates may satisfy some requirements for Licensed Professional Counselor and others. For further information, contact the Dean or Graduate Program Coordinator of the College of Education and Psychology or the Graduate Program Coordinator of the Professional Programs in Human Services Department.

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Time & Progress to Degree Completion

Time Limit for Completion of Degree
Graduate credit applied towards a graduate degree must be completed within six (6) years prior to the completion of the degree, exclusive of any time spent in the Armed Forces of the United States of America. Work completed more than six (6) years prior to completion of the degree may not be counted toward the degree but may count toward professional certification.

Progress Toward Degree
Students who have not successfully completed coursework after one year must reapply to the University and the School of Graduate Studies. Students who have not successfully completed course work for two years must reapply to the graduate degree program.

Application for Degree
A student must apply for award of a degree according to the deadline specified by the university for the semester in which the degree will be awarded. (Failure to graduate necessitates reapplication.) Application for graduation may be found on Colleague Self-Service. For more information about the graduation application process, please see the relevant policy in the full academic policy section of this catalog.

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Earning a Second Master's Degree

First Degree From Another Institution
Students with a graduate degree from an accredited institution may complete a subsequent graduate degree at East Central University by completing all requirements for that degree. The subsequent graduate degree must include a minimum of twenty-one (21) graduate credit hours not applied toward any other graduate degree. All credit hours accepted from the first graduate degree must be reviewed and approved by the graduate program faculty and the Dean of Graduate Studies. Only courses with a minimum grade of B will be accepted from the first graduate degree. Students may petition for an exception to this policy in certain situations (such as completion of licensure requirements). All exceptions must be reviewed and approved by the graduate program faculty and the Dean of Graduate Studies.

First Degree From East Central University (ECU)
The second graduate degree must include a minimum of twenty-one (21) credit hours not applied toward the first graduate degree. In the following two scenarios, the programs have been designed so that credits earned while completing the first program can be applied toward the second, while allowing students to remain in compliance with the 21 credit hour rule.

- *Scenario_1*: School Psychometry (MEd) *followed by* Master of Science in Psychological Services (MSPS) or Education Specialist (EdS)
- *Scenario_2*: Education Leadership (MEd) *followed by* a Doctor of Education (EdD)

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Master of Business Administration (MBA; 30 Credit Hours

Program Purpose & Objectives
The Master of Business Administration program is designed to provide working professionals with the knowledge and abilities necessary to further their careers in executive, managerial and administrative roles in business, health care, state and local government entities, tribal governments, and nonprofit organizations.

Required Courses (21 Credit Hours)
ACCT 5113 Accounting for Managers
BSEC 5203 Data Analytics
ECON 5143 Applied Economics
FIN 5103 Finance for Managers
MGMT 5503 Leadership & Organizational Behavior
MGMT 5703 Strategic Management
MKTG 5103 Marketing for Managers

Elective Courses (9 Credit Hours)
Select three courses from the following:
Any 5000-Level Business Administration, Accounting, or ITM Course

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Master in Management (MIM; 30 Credit Hours)

Program Purpose & Objectives
The Master in Management (MiM) degree targets students whose first degree is outside a business field or who have a degree in a business field, but would like to enhance their knowledge of business. The program is designed primarily for individuals in one of the following three groups:

1. Students who have just completed a non-business undergraduate degree whose first job prospects would be enhanced with the completion of a graduate degree in management.
2. Full-time employees with a non-business undergraduate degree who are entering or hope to soon enter a management position.
3. Full-time employees who have a business degree but find themselves underemployed or who have not been employed in a management position.

Required Courses (24 Credit Hours)
ACCT 5113 Accounting for Managers
BUSLW 5203 Advanced Employment & Labor Law
ECON 5103 Economics for Managers
FIN 5103 Finance for Managers
MGMT 5203 Foundation of Management
MGMT 5503 Leadership & Organizational Behavior
MGMT 5703 Strategic Management
MKTG 5103 Marketing for Managers

Elective Courses (6 Credit Hours)
Select two of the following courses:
MGMT 5043 Special Topics in Management
MGMT 5103 Introduction to Graduate Business Studies
MGMT 5603 Managing in Global Economy
MGMT 5953 Internship in Management
MGMT 5981-4 Seminar in Management
MGMT 5991-4 Independent Study in Management

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Master of Science in Accounting (MSA; 30 Credit Hours

Program Purpose & Objectives
The Master of Science in Accounting is designed to prepare students to move into authority positions in manufacturing companies, governmental units, not-for-profit entities, public accounting firms, and other professional or service organizations. The unique combination of human skills, knowledge, and technology embedded in the curriculum will prepare graduates for these opportunities. Specifically, students should leave the program knowing how to anticipate and meet the changing needs of their customers; utilize and leverage technology in ways that add value to these customers; interpret and provide a broader context to financial and non-financial information; link data, knowledge, and insight together to provide quality advice for strategic decision- making; and, give and exchange information within a meaningful context and with the appropriate delivery and interpersonal skills.

The Program curriculum has been specifically designed to provide an educational experience which will prepare students to successfully complete all portions of the Certified Public Accountant (CPA) exam, while earning an advanced degree. The Program will also qualify graduates to sit for the Certified Management Accountant (CMA) or Certified Internal Auditor (CIA) exams. The MSA Program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).

Ethics & Professional Standards
The student admitted to the Master of Science in Accounting program needs to familiarize himself or herself with and act in accordance with the ethical standards required by the American Institute of Certified Public Accountants (AICPA) Code of Professional Conduct. Any behavior on the part of the student which may conflict with the standards in the above document will be reviewed by a committee from the Harland C. Stonecipher School of Business faculty consisting of the advisor, an accounting faculty member chosen by the chair, and a Harland C. Stonecipher School of Business faculty member chosen by the student. The committee will have the authority to take any of the following actions: exonerate the student, notify the student and plan appropriate ameliorative action, notify appropriate boards and law enforcement agencies, or dismiss the student from the program.

Background Courses (Undergraduate Prerequisites)
The purpose of background courses is to provide a strong base of knowledge for advanced business and accounting studies. Background courses may be waived for students who have successfully completed and achieved a grade of "C" or higher on previous course work addressing a specified content area. Background courses cannot be used to fulfill the 30 hours of MSA graduate courses. Applicants who must satisfy background course requirements may be admitted as non-degree seeking students to take undergraduate courses. The background course requirement is composed of the following courses:

ACCT 3203 Cost Accounting I
ACCT 3303 Intermediate Accounting I
ACCT 3383 Federal Income Tax Accounting
ACCT 3403 Intermediate Accounting II
ACCT 4503 Auditing
BSEC 2603 Business & Economics Statistics
BUSLW 3213 The Legal Environment of Business
ECON 3113 Financial Management
MIS 3433 Management Information Systems

Graduate Curriculum for MSA
In addition to satisfying the background course requirements, all MSA students must complete 30 hours of graduate courses. Some latitude is allowed in selecting courses. However, students must satisfy all prerequisites of a graduate course before enrolling. The Internship in Accounting can be taken for 3 hours credit only after successful completion of at least 12 semester hours of graduate courses.

Required Courses (All of the Following 15 Credit Hours)
ACCT 5073 Advanced Auditing
ACCT 5103 Financial Statement Analysis
ACCT 5123 Tax Compliance & Planning
ACCT 5203 Advanced Tax
ACCT 5403 CPA Prep

Accounting Elective Courses (Any of the Following)
Select one of the following courses:
ACCT 5043 Special Topics in Accounting
ACCT 5133 Advanced Accounting

ACCT 5143 Governmental & Non-Profit Accounting
ACCT 5303 Forensic Accounting & Fraud Examination
ACCT 5723 Skills for Accounting Research
ACCT 5953 Internship in Accounting
ACCT 5981-4 Seminar in Accounting
ACCT 5991-4 Independent Study in Accounting

Non-Accounting Elective Courses (Maximum 15 Credit Hours)
Select three courses from the following:
Any 5000-Level Business Administration, Accounting, or ITM Course

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Doctorate of Education in Rural Education (EdD; 60 Credit Hours)
Students applying to the program are required to have earned a master's degree with a minimum GPA of 3.00. Across the United States, at least 30,000 rural schools employ approximately 916,000 personnel. Oklahoma has 205,945 students in rural schools, comprising 264 school districts. The Ed.D. in Rural Education is specifically designed to address rural education's unique circumstances and challenges. Specific coursework will help educational leaders navigate curriculum development, strategic planning, supervision, organizational change, and advocacy for rural schools. According to the U.S. Census Bureau (2020), 52% of the schools in Oklahoma are defined as rural.

In addition to general educational requirements in a doctoral program, this program focus on the needs that are unique to leaders in Oklahoma rural schools. Rural education leaders need to know how to address the unique issues in rural communities, such as "varying access to healthcare, food security, Internet connectivity, access to advanced coursework, and high-quality educational resources" (OSDE, 2020, para. 2). This program includes an applied dissertation. The distinctive opportunities provided by an applied dissertation included working on issues, challenges, or problems in a local rural community to research possible solutions that can be put into place immediately. The applied focus of this program allows the students to research that has an immediate impact on day-to-day operations and activities in the rural community.

Courses will be offered fully online in eight-week terms so working adults can integrate graduate study into their lives, with five opportunities to start each year. Professional instructional designers support faculty to prioritize student learning and ensure that courses meet high quality standards. Degree for the working adult/professional. 8 weeks online courses. Concepts learned in courses today can be implemented in rural communities tomorrow.

Research, Measurement & Statistics (3 Credit Hours)
EDUC 5113 Techniques of Research
**Must be taken within the first eight (8) hours of the program*
**Must earn and "A" or "B" in this course*

Administration Track (21 Credit Hours)
EDUC 5173 Fundamentals of Curriculum;
OR
EDUC 5363 Principles of Instructional Design
EDUC 5513 Supervision of Instruction
EDUC 5523 School Plant Management
EDUC 5533 Fundamentals of Public-School Administration
EDUC 5723 Advanced Legal Aspects of Education
EDUC 5773 Politics & Governance of American Education
EDUC 5943 Educational Technology Leadership

Core Courses (24 Credit Hours)
EDUC 6003 Contemporary Issues and Advocacy in Rural Education
EDUC 6013 History and Foundations of Rural Education
EDUC 6023 Leading Special Programs in Rural Education
EDUC 6033 Organizational Changes/Strategic Planning in Rural Education
EDUC 6043 Advanced Public School Finance in Rural Education
EDUC 6053 Applied Dissertation/Capstone Seminar Orientation
EDUC 6063 Quantitative/Qualitative Research
One additional elective course taken at the graduate level worth three (3) credit hours.

Applied Dissertation (12 Credit Hours)
EDIS 7003 Applied Dissertation/Capstone 1 - Prospectus
EDUS 7013 Applied Dissertation/Capstone II - Research
EDUS 7023 Applied Dissertation/Capstone III - Dissertation
Note: EDUS 7023 will be completed twice for a total of six (6) credit hours.

Other Program Notes
The administrative track portion of the program does not lead to certification like the MEd in Educational Leadership. Educators interested in leadership programs may also wish to consider ECU's Superintendent program.

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Education Specialist (Eds; 63 Credit Hours)
The EdS program in School Psychology in ECU will allow students to receive extensive training which will be eligible for the qualification of a Nationally Certified School Psychologist (NCSP). This 63-Hour program will allow students to be extremely marketable for employment in the schools as a school psychologist anywhere in the United States as well as allowing for potential pay increases based on national certification status. The focus of the program will be equipping professionals by training them in the areas of assessment, consultation, special education law and academic/behavioral intervention.

Psychological & Counseling Foundations (27 Credit Hours)
EDPSY 5163 Cog Beh. Theories & Methods of Coun. & Psychology
EDPSY 5353 Standardized Group Tests
EDPSY 5433 Affective Theories of Counseling & Psychotherapy
H/P/E 5443 Advanced Group Counseling
PSYCH 5063 Advanced Physiological Psychology

PSYCH 5143 Stat & Design in Applied Psychology
PSYCH 5173 Pro Orientation & Ethics in Clinical Psychology
PSYCH 5363 Adolescent Psychopathology & Treatment
PSYCH 5443 Multicultural Consultation & Intervention

School Psychology Specialization (24 Credit Hours)
EDPSY 5143 Introduction to School Psychological Services
EDPSY 5153 Family School Collaboration & Consultation
EDPSY 5403 Non-Traditional Assessment
PSYCH 5313 Advanced Educational Psychology
PSYCH 5333 Behavioral Intervention w/Children
PSYCH 5403 Intellectual Assessment
PSYCH 5433 Diagnostic Assessment
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

Field Experience (12 Credit Hours)
EDPSY 5493 Practicum in School Psychology
EDPSY 5593 Internship in School Psychology I
EDPSY 5613 Internship in School Psychology II
EDPSY 5693 Practicum in School Psychometry

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Master of Education (MEd)

Program Purpose & Objectives
The Master of Education degree at East Central University offers educators and other professionals in depth study in several specialization areas. Candidates can choose a new program that prepares them for a job in an education related field such as Educational Leadership, Instruction Design and Technology, Special Education, or Sports Administration. Candidates can choose a Post Masters Certification in School Superintendent. Each program offers courses based on best practices in the field and is designed to provide a research foundation from which candidates make informed decisions. Candidates graduate from these programs as professional, reflective, innovative leaders.

The Master of Education degree programs that lead to new certification areas are accredited by the State of Oklahoma and by the Specialty Program Associations affiliated with The Council for the Accreditation of Education Preparation (CAEP). Each specialty program is designed to teach specific program standards which are addressed throughout the program of study. In addition to the specific program standards, all advanced degrees leading to certification are aligned with the following CAEP standards:

1. ECU will ensure that candidates develop a deep understanding of the critical concepts and principles of their discipline and, by completion, are able to use discipline-specific practices flexible to advance the learning of all students toward attainment of college and career-readiness standards.
2. ECU will ensure that effective partnerships and high-quality clinical practice are central to preparation so that candidates develop the knowledge, skills, and professional dispositions necessary to demonstrate positive impact on all P-12 students' learning and development.
3. ECU will demonstrate the quality of candidates is a continuing and purposeful part of its responsibility from recruitment, at admission, through the progression of courses and clinical experiences, and to decisions that completers are prepared to teach effectively and are recommended for certification.
4. ECU will demonstrate the impact of its completers on P-12 student learning and development, classroom instruction, and schools, and the satisfaction of its completers with the relevance and effectiveness of their preparation.
5. ECU maintains a quality assurance system comprised of valid data from multiple measures, including evidence of candidates' and completers' positive impact on P-12 student learning and development. The provider supports continuous improvement that is sustained and evidence based, and that evaluates the effectiveness of its completers. The provider uses the results of inquiry and data collection to establish priorities, enhance program elements and capacity, and test innovations to improve completers' impact on P-12 student learning and development.

The Master of Education programs at ECU that are related to education but are not restricted to certified teachers are Educational Leadership, Instructional Design and Technology, School Psychometry, Sports Administration, and Special Education. The Educational Leader- ship program is aligned with the Educational Leadership Constituent Council (ELCC) Standards. The Instructional Design and Technology Program is aligned with the Association for Education Communications and Technology standards (AECT), the Secondary Education-Academic Discipline Program is aligned with specific content standards. The Special Education program is aligned with The Council of Exceptional Children (CEC) standards. The Sports Administration Program is aligned with the National Association for Sport and Physical Education standards (NASPE) and the North American Society for Sport Management (NASSM) standards.

A common structure is shared generally within these degree options, all of which lead to the Master of Education degree. The curriculum for each program, however, is designed around specific standards.

Special Requirements of the Master of Education Degree
Hold one of the following:

1. A Standard Teaching Certificate
2. An Alternative Education acceptance letter (which must be on file)
3. Written affirmation that the candidate understands the master's degree alone may not, and in many instances will not, lead to state certification until additional state certification requirements have been met. Only specific programs are eligible for this option.

Degree Options
Students pursuing the Master of Education degree must select one of the following degree options. Such selection shall be made at the time of admission to the graduate program since a change of option may result in the students having completed inapplicable work.

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Master of Education (MEd) - Educational Leadership Option (32 Credit Hours)
The graduate program option for Educational Leadership is de- signed for the graduate student specializing in administration for grades K-12. Special attention is given to the knowledge, skills and dispositions necessary to become an effective school principal.

Research, Measurement & Statistics (3 Credit Hours)
EDUC 5113 Techniques of Research
* Must be taken within the first eight (8) hours of the program.
*Must earn an "A" or "B" in this course.

Specialization: School Principal (14 Credit Hours)
EDUC 5533 Fundamentals of Public-School Administration
EDUC 5573 Public School Finance
EDUC 5583 Legal Aspects of Education
EDUC 5623 The Principalship
EDUC 5832 Practicum and Portfolio in Public School Administration

Curriculum (3 Credit Hours)
EDUC 5173 Fundamentals of Curriculum

Instruction (6 Credit Hours)
Select two of the following courses:
EDUC 5513 Supervision of Instruction
EDUC 5843 Advanced Classroom Management
EDUC 5853 Advanced Strategies for Effective Teaching

Special Phases of Administration (6 Credit Hours)
EDUC 5023 Educational Aspects of Exceptional Child
EDUC 5943 Education Technology Leadership

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Master of Education (MEd) - Library Media Option (32 Credit Hours)
The Master of Library Media is designed for graduate students planning to become a School Library Media Specialist in grades PreK-12th in public or private educational settings. The intent of the program is to prepare competent, certified School Library Media Specialists in accordance with state and national professional standards and guidelines. All areas of school librarianship, including technology, are emphasized. Special attention is given to the development of the student as a consumer of research along with a major emphasis on the knowledge, skills and attitudes that are necessary to become a School Library Media Specialist.

Program Prerequisite or Co-Requisite (3 Credit Hours)
EDLBS 4913 Children's Literature
OR
EDLBS 5913 Advanced Children's Literature

Research, Measurement & Statistics (3 Credit Hours)
EDUC 5113 Techniques of Research
*Must be taken within the first eight (8) hours of the program.
*Must earn an "A" or "B" in this course.

Program Course (18 Credit Hours)
LIBSC 5113 School Library Administration I
LIBSC 5133 Materials Selection
LIBSC 5213 Cataloging & Classification
LIBSC 5233 Information Resources
LIBSC 5923 Young Adult Literature
LICSC 5973 Curriculum & the School Library

Specialization (6 Credit Hours)
Select two of the following courses:
EDLBS 5333 Administration & Use of Instructional Media
EDUC 5003 Multimedia Technology
EDUC 5363 Principles of Instructional Design
LIBSC 5353 Literacy in the School Library

Practicum (2 Credit Hours)
LIBSC 5952 Practicum & Capstone in Library Media

Electives (3 Credit Hours)
Select one of the following courses:
EDLBS 5913 Advanced Children's Literature
EDUC 5233 Survey of Teaching Reading
LIBSC 5981-4 Seminar in Library

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Master of Education (MEd) - School Counseling Option (33 Credit hours)
The graduate program option for the school counselor is designed for the graduate student specializing in counseling at the elementary or secondary level and leads to the Master of Education Degree. Special attention is given to the development of the student as a consumer of research along with a major emphasis on the knowledge, skills, and attitudes that are necessary to become a school counselor.

Research, Measurement & Statistics (3 Credit Hours)
EDUC 5113 Techniques of Research
*Must be taken within the first eight (8) hours of the program).
*Must earn an "A" or "B" in this course.

Professional Ethics & Orientation (3 Credit Hours)
EDUC 5413 Introduction to Counseling
*Must be taken the first semester.

Foundations of School Counseling (6 Credit Hours)
EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy

EDPSY 5353 Standardized Group Tests

PSYCH 5113 or PSCYH 5473 (3 Credit Hours)
Select one of the following courses:
PSYCH 5113 Theories of Personality & Human Behavior
OR
PSYCH 5473 Advanced Psych of Childhood & Adolescence

Specialization (12 Credit Hours)
EDPSY 5363 Life-Span Career Development
EDPSY 5433 Aff.Theories & Teach of Coun & Psychotherapy
EDUC 5453 Developmental Guidance
H/P/E 5443 Advanced Group Counseling

Practicum & Intervention Strategies (6 Credit Hours)
EDUC 5483 School Counseling Intervention Strategies
EDUC 5493 Practicum & Capstone in School Counseling
*Courses are to be taken concurrently at the end of program.

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Master of Education (MEd) - School Psychometry Option (33 Credit Hours)
This degree focuses on the applied knowledge needed in the development and use of educational and testing skills for student assessment. The curriculum is designed to address the educational and psychological concerns associated with educational assessment of students with routine and special needs in the classroom.

Psychological Foundations (12 Credit Hours)
EDPSY 5353 Standardized Group Tests
EDUC 5023 Educational Aspects of Exceptional Children
PSYCH 5063 Advanced Physiological Psychology
PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology

School Psychometry Specialization (18 Credit Hours)
EDPSY 5143 Introduction to School Psych Services
EDPSY 5403 Non-Traditional Assessment
PSYCH 5313 Advanced Educational Psychology
PSYCH 5403 Intellectual Assessment
PSYCH 5433 Diagnostic Assessment
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

Field Experience (3 Credit Hours)
EDPSY 5693 Practicum in School Psychometry

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Master of Education (MEd) - Special Education Option (33 Credit Hours)
The graduate program option for the special education teacher is designed for the graduate student specializing in teaching students with mild/moderate disabilities in PreK-12th grade. This option leads to a Master of Education Degree. Special attention is given to the development, learning assessment, and collaboration in working with students with mild/moderated disabilities. This is an online program.

Research, Measurement & Statistics (3 Credit Hours)
EDUC 5113 Techniques of Research
*Must be taken within the first eight (8) hours of the program.
*Must earn an "A" or "B" in this course.

Required Courses (24 Credit Hours)
EDUC 5023 Educational Aspects of Exceptional Child
EDUC 5093 Identification of & Strategies for Student w/Behavioral Disorders
EDUC 5103 Students with Mild & Moderate Disorders
EDUC 5163 Advanced Methods for Mild & Moderate Disorders
EDUC 5233 Survey of Teaching Reading
EDUC 5333 Legal Aspects of Special Education
EDUC 5353 Advanced Assessment & Program Development
EDUC 5753 Differentiated Instruction in Special Education

Practicum (2 Credit Hours)
EDUC 5762 Capstone in Special Education

Required Courses (6 Credit Hours)
EDUC 5843 Advanced Classroom Management
EDUC 5853 Advanced Strategies of Effective Teaching

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Master of Education (MEd) - Sports Administration Option (30 Credit Hours)
The Master of Education in Sports Administration specialization is designed to prepare the professional educator for positions as Head Coach, Athletic Director, or other administrative positions responsible for directing athletic programs. The program is based on specialized courses in sports administration.

Research, Measurement & Statistics (3 Credit Hours)
EDUC 5113 Techniques of Research
*Must be taken within the first eight (8) hours of the program.

*Must earn an "A" or "B" in this course.

Required Courses (27 Credit Hours)
KIN 5303 Sports Administration
KIN 5313 Sport Facility Management
KIN 5323 Legal Aspects of Sport
KIN 5353 Ethics in Sports Administration
KIN 5413 Principles of Sport Finance
KIN 5423 Marketing & Event Management
KIN 5513 Leadership and Personnel Management
KIN 5533 Sports in American Society
KIN 5613 Practicum in Sports Administration
*Must be cleared to enroll in KIN 5613 by instructor.

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Non-Degree Seeking - Alt. Principal Cert. Pathway (20 Credit Hours)
Pursuant to HB 2747 of 2010 amending HB 2915 of the 2002 Oklahoma Legislative Sessions, amending 70 O.S. 2001, Section 6-122.3, East Central University affirms it has an Alternative Placement Certification candidate support program and is committed to implement the program in support of any Alternative Certification candidate approved by the Oklahoma State Department of Education (OSDE).

All candidates seeking ECU approval for a plan of study for alternative certification as a School Principal and must hold a master's degree and complete the courses noted for the respective program(s). Candidates for certification for School Principal must have two years of relevant work experience in a supervisory or administrative capacity. Candidates must have a passing score on the subject area competency examination, and a filing with the director of teacher education at an Oklahoma accredited institution of higher education a plan for completing an alternative administrative preparation program within (3) years. An alternative certificate for superintendent of schools and principals shall not exceed three (3) years and shall not be renewable.

Required Courses (20 Credit Hours)
EDUC 5173 Fundamentals of Curriculum
EDUC 5513 Supervision of Instruction
EDUC 5533 Fundamentals of Public-School Administration
EDUC 5573 Public School Finance
EDUC 5583 Legal Aspects of Education
EDUC 5623 The Principalship
EDUC 5832 Practicum & Portfolio in Public School Administration

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Non-Degree Seeking - School Superintendent Pathway (16 Credit Hours)
Applicant must hold and maintain a valid Standard Teaching Certificate in Early Childhood, Elementary, Elementary/Secondary, Secondary, Vocational-Technical, Library Medial Specialist, or Speech- Language Pathology. Applicant must hold a Master's Degree and certification as a school principal or meet alternative certification requirements for school principal certification. Applicant must have had two (2) years of successful teaching experience in public or private schools accredited the Oklahoma State Board of Education and two (2) years administrative experience in public or private schools accredited by the State Board of Education. Applicant shall pass the Oklahoma Certification Test for School Superintendent prior to being issued a certificate.

Alternative certification candidates must hold a standard master's degree, have two (2) years of relevant work experience in a supervisory or administrative capacity, receive a passing score on the subject area competency exam, and, submit a plan to the Director of Teacher Education at ECU for completing an alternative certification program within three (3) years. Candidates seeking certification through this route should contact the Director of Teacher Education for more information and specific program and course requirements. An alternative certificate for superintendent of schools shall not exceed three (3) years and shall not be renewable.

Required Courses (16 Credit Hours)
EDUC 5062 Superintendent Administration Practicum I
EDUC 5072 Superintendent Administration Practicum II
EDUC 5523 School Plan Management
EDUC 5723 Advanced Legal Aspects of Education
EDUC 5773 Politics & Governance of American Education
EDUC 5793 The Superintendency

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Non-Degree Seeking - Special Education Boot Camp Pathway (16 Credit Hours)
Students will complete three graduate classes (9 credit hours) and then apply with Oklahoma State Department of Education (OSDE) for Provisional Certification.

Required Courses Summer Rotation (9 Credit Hours)
EDUC 5093 Identification of & Strategies for Student w/Behavioral Disorders
EDUC 5353 Advanced Assessment & Program Development
EDUC 5753 Differentiated Instruction in Special Education

Required Courses Fall Rotation (9 Credit Hours)
EDUC 5103 Students with Mild & Moderate Disorders
EDUC 5333 Legal Aspects of Special Education
EDUC 5843 Advanced Classroom Management
OR
EDUC 5853 Advanced Strategies of Effective Teaching

Required Courses Spring Rotation (9 Credit Hours)
EDUC 5023 Educational Aspects of Exceptional Child
EDUC 5163 Advanced Methods for Mild & Moderate Disorders
EDUC 5233 Survey of Teaching Reading

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Master of Science (MS) and Master of Science in Psychological Services (MSPS)

Program Purpose & Objectives
The Master of Science in Psychology is designed to develop professionals who can function as Licensed Professional Counselors, Licensed Behavioral Practitioners, School Psychologists, Sport Psychologists or psychological assistants in such settings as mental health centers, guidance centers, mental hospitals, alcohol and drug treatment centers, correctional institutions, individual athletes and teams, and as an independent practitioner as defined by the licensure or certification board(s) of his or her chosen program of study.

The role of these professionals is to help people more fully to develop their potential for creative productivity and emotional satisfaction. The following general objectives are intended to prepare students to fill this role:

1. To provide opportunities for students to acquire knowledge of the general principles involved in providing psychological services;
2. To prepare students to understand research methodology and to use research reports and psychological literature;
3. To prepare students to provide the psychological services of counseling, consulting, and evaluating.

Students in this program are expected to have or to acquire in the early phases of training knowledge of general psychology, statistical methods, psychology of learning and its application to behavior modification, psychology of personality, abnormal psychology, and psychological evaluation. A course in theory and research in psychological services builds on this background to develop competencies in research and the use of psychological literature. Courses in individual mental testing, and individual psychological evaluation, help students to acquire the skills to evaluate people. Courses in behavior change and clinical psychology help students to provide counseling services to people. A course in community consultation helps students to provide consultation in their work setting and community.

Small classes and ample opportunities for interaction with faculty and students provide an excellent opportunity for students to develop the skills necessary to function well in their occupations. Graduate teaching assistantships and graduate research assistantships provide financial assistance as well as unusual opportunities for learning.

Each student will be assigned a faculty graduate advisor upon entering the program and will be expected to work closely with the advisor. A student will need to work with his or her advisor in meeting basic professional goals. This MSPS degree qualifies an individual to work in applied areas of psychology under supervision. At the completion of the program, students will have met the academic requirements for certification as a Licensed Professional Counselor, a Licensed Behavioral Practitioner, Applied Sport Psychologist, or School Psychologist.

Practicum/Internship
The student will spend a minimum number of hours receiving direct supervision with a qualified mentor and direct client contact hours as required by his or her practicum(s) or internship(s). The student must complete an application form for practicum placement at least five weeks before the semester in which the practicum begins.

The student's advisor and the Practicum/Internship Supervisors will determine the type and appropriateness of supervision for each placement. The student will spend a minimum number of hours receiving direct supervision with a qualified mentor and direct client contact hours as required by his or her practicum(s) or internship(s).

Ethics & Professional Standards
The student admitted to the Master of Science in Psychological Services program needs to familiarize himself or herself with and act in accordance with the ethical standards required by the following board and professional organizations:

1. American Psychological Association
2. American Counseling Association
3. National Board for Counselor Certification
4. Association of Psychological Sciences
5. Oklahoma State Board of Behavior Health

As well as the professional organization for his or her specific program of study:

1. National Association of School Psychologist or
2. Association for Applied Sport Psychology

Any behavior on the part of a student which may conflict with the standards in the above documents will be reviewed by a committee from the psychology faculty consisting of the advisor, a psychology faculty member appointed by the chair, and a faculty member chosen by the student. The committee will have the authority to take any of the following actions: exonerate the student, notify the student and plan appropriate ameliorative action, notify appropriate boards and law enforcement agencies, or dismiss the student from the program.

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Master of Science (MS) - Applied Psychology (30 Credit Hours)
This program will focus on developing enhanced skills in various psychological topics along with research design, data analysis, and critical thinking skills. The curriculum will prepare students to work in various industries, achieve advancement in their current profession, or prepare them for further graduate education at the doctoral level. The design of the curriculum allows students to customize their focus so that they can obtain the psychology knowledge base and research skills that best suits their interests and future aspirations.

Psychological Foundations (12 Credit Hours)
EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy
PSYCH 5063 Advanced Physiological Psychology
PSYCH 5113 Theories of Personality & Human Behavior
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

Research Foundations (9 Credit Hours)
PSYCH 5143 Stat and Design in Applied Psychology
PSYCH 5153 Research in Applied Psychology
PSYCH 5483 Applied Psychology Capstone Project

Electives (9 Credit Hours)
Select three of the following courses:
EDPSY 5353 Standardized Group Tests

EDPSY 5433 Affective Theories of Counseling & Psychotherapy
PSYCH 5023 Advanced Social Psychology
PSYCH 5043 Advanced Sport Psychology
PSYCH 5183 Advanced Abnormal Psychology
PSYCH 5193 Health Psychology
PSYCH 5213 Life Coaching & Career Counseling
PSYCH 5313 Advanced Educational Psychology
PSYCH 5373 Psychological Assessment
PSYCH 5693 Master's Thesis
PSYCH 5703 Human Sexuality

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Master of Science (MS) - Sport Psychology Option (45 Credit Hours)
Sport Psychology- focuses on the applied knowledge needed in the development and use of psychological skills for the optimal performance and the well-being of athletes. The curriculum is designed to address the performance and psychological concerns associated with sports involvement affecting athletes, coaches, and families as well as the develop- mental and social aspects of sports participation

Psychological Foundations (21 Credit Hours)
EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy
EDPSY 5433 Affective Theories of Counseling & Psychotherapy
PSYCH 5143 Stat & Design in Applied Psychology
PSYCH 5183 Advanced Abnormal Psychology
PSYCH 5373 Psychological Assessment
PSYCH 5443 Multicultural Consultation & Intervention
PSYCH 5473 Adv Psych Childhood & Adolescence

Sport Psychology Specialization (18 Credit Hours)
PSYCH 5043 Advanced Sport Psychology
PSYCH 5083 Applied Sport Psychology
PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology
PSYCH 5203 Applied Biomechanics
PSYCH 5463 Psychology of Coaching & Team Dynamics
PSYCH 5523 Sports in American Society

Field Experience (6 Credit Hours)
PSYCH 5563 Internship in Sport Psychology I
PSYCH 5483 Internship in Sport Psychology II

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Master of Science in Psychological Services (MSPS) - Counseling Psych. Option (60 Credit Hours)
Counseling Psychology focuses on the skills and knowledge needed to facilitate personal and interpersonal functioning within mental health practice and different community mental health settings. The curriculum is broad based to prepare students in working with many different populations. Students in this track will be eligible to seek state LPC and LBP licensure.

Psychology & Counseling Foundations (27 Credit Hours)
EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy
EDPSY 5353 Standardized Group Tests
EDPSY 5433 Affective Theories of Counseling & Psychotherapy
H/P/E 5443 Advanced Group Counseling
PSYCH 5063 Advanced Physiological Psychology
PSYCH 5143 Stat and Design in Applied Psychology
PSYCH 5173 Prof Orientation and Ethics in Clinical Psychology
PSYCH 5363 Adolescent Psychopathology and Treatment
PSYCH 5443 Multicultural Consultation and Intervention

School Psychology Specialization (21 Credit Hours)
PSYCH 5113 Theories of Personality & Human Behavior
PSYCH 5153 Research in Applied Psychology
PSYCH 5183 Advanced Abnormal Psychology
PSYCH 5333 Behavioral Intervention w/Children
PSYCH 5373 Psychological Assessment
PSYCH 5403 Intellectual Assessment
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

Field Experience (6 Credit Hours)
PSYCH 5553 Practicum in Psychology I
PSYCH 5573 Practicum in Psychology II

Electives (6 Credit Hours)
Select three of the following courses:
EDPSY 5363 Life-Span Career Development
PSYCH 5023 Advanced Social Psychology
PSYCH 5193 Health Psychology
PSYCH 5213 Life Coaching & Career Counseling
PSYCH 5313 Advanced Educational Psychology
PSYCH 5703 Human Sexuality

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Graduate Certificate in Psychology Services - School Psychologist Option (60 Credit Hours)
Applicant must hold a Master's Degree in one of the following areas: General Psychology, Special Education, Child Psychology, School Counseling, or a related counseling area. School Psychologist Certificate candidates will be eligible to complete the OSAT certification exams for School Psychologist (033) and Psychometrist (034). School Psychologist certificate students will only be eligible to seek a state LPC licensure if they hold a Master's Degree in an area related to mental health and accepted by the stated LPC licensure board. Mini- mum total of sixty (60) semester credit hours, including course work in the following program of study are required.

Psychological & Counseling Foundations (27 Credit Hours)
EDPSY 5163 Cog Beh Theories & Methods of Coun & Psychotherapy
EDPSY 5353 Standardized Group Tests
EDPSY 5433 Affective Theories of Counseling & Psychotherapy
H/P/E 5443 Advanced Group Counseling
PSYCH 5063 Advanced Physiological Psychology
PSYCH 5143 Stat & Design in Applied Psychology
PSYCH 5173 Prof Orientation & Ethics in Clinical Psychology
PSYCH 5363 Adolescent Psychopathology & Treatment
PSYCH 5443 Multicultural Consultation & Intervention

School Psychology Specialization (21 Credit Hours)
EDPSY 5143 Introduction to School Psychological Services
EDPSY 5403 Non-Traditional Assessment
PSYCH 5313 Advanced Educational Psychology
PSYCH 5333 Behavioral Intervention w/Children
PSYCH 5403 Intellectual Assessment
PSYCH 5433 Diagnostic Assessment
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

Field Experience (12 Credit Hours)
PSYCH 5553 Practicum in School Psychology
PSYCH 5553 Internship in School Psychology I
PSYCH 5553 Internship in School Psychology II
PSYCH 5553 Practicum in School Psychometry

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Graduate Certificate in Psychological Services - School Psychometrist Option (30 Credit Hours)

Psychological & Counseling Foundations (9 Credit Hours)
EDPSY 5353 Standardized Group Tests
PSYCH 5063 Advanced Psychological Psychology
PSYCH 5173 Prof Orientation and Ethics in Clinical Psychology

School Psychology Specialization (18 Credit Hours)
EDPSY 5143 Introduction to School Psychological Services
EDPSY 5403 Non-Traditional Assessment
PSYCH 5313 Advanced Educational Psychology
PSYCH 5403 Intellectual Assessment
PSYCH 5433 Diagnostic Assessment
PSYCH 5473 Advanced Psychology of Childhood & Adolescence

Field Experience (3 Credit Hours)
EDPSY 5693 Practicum in School Psychometry

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Master of Science in Biological Sciences - Biological Science Option (MS; 30 Credit Hours)

Program Purpose & Objectives
The Master of Science in Biological Science program is designed to strengthen the scientific portfolio and provide specialized preparation for those individuals seeking careers in the health industry, water science, ecology or the natural sciences. The curriculum will strengthen student understanding of biology and increase competitiveness in their career of choice.

Required Courses (6 Credit Hours)
BIOL 5013 Experimental Design/Data Analysis
BIOL 5223 Grant/Science Writing & Communication

Required Track Courses (9 Credit Hours)
BIOL 5691-3 Thesis
BIOL 5713 Teaching in the Sciences
BIOL 5773 Graduate Examinations - Oral

Elective Courses (15 Credit Hours)
Any Elective Graduate Course in BIOL/GIS/EHS Approved by the Graduate Advisory Committee

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Master of Science in Biological Sciences - Health Sciences Option (MS; 30 Credit Hours)

Program Purpose & Objective

The Master of Science in Biological Science program is designed to strengthen the scientific portfolio and provide specialized preparation for those individuals seeking careers in the health industry, water science, ecology or the natural sciences. The curriculum will strengthen student understanding of biology and increase competitiveness in their career of choice.

Required Courses (6 Credit Hours)
BIOL 5013 Experimental Design/Data Analysis
BIOL 5223 Grant/Science Writing & Communication

Required Track Courses (12 Credit Hours)
Students must select either the Thesis Track or the Non-Thesis Track.
Thesis Track (12 Credit Hours)
BIOL 5691-3 Thesis
BIOL 5713 Teaching in the Sciences
BIOL 5773 Graduate Examinations - Oral

Elective Courses (12 Credit Hours)
Students will select from between four to five of the following courses.
BIOL 5133 Special Topics in Evolution
BIOL 5245 Advanced Comparative Vertebrate Anatomy
BIOL 5254 Special Topics in Entomology
BIOL 5323 Advanced Cell and Molecular Biology
BIOL 5405 Advanced Techniques in Biotechnology
BIOL 5424 Advanced Ethnobotany
BIOL 5433 Human Genetics
BIOL 5545 Advanced Molecular Biology
BIOL 5554 Genomics & Bioinformatics
BIOL 5563 Pathogenic Microbiology
BIOL 5623 Medical Biochemistry
BIOL 5654 Histopathology
BIOL 5683 Advanced Immunology
BIOL 5703 Advanced Biostatistics
BIOL 5981-4 Seminar in Biology
BIOL 5991-4 Individual Study in Biology
GIS 5613 Digital Mapping
GIS 5913 Spatial Analysis

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Master of Science in Biological Sciences - Water Sciences Option (MS; 30 Credit Hours)

Program Purpose & Objectives
The Master of Science in Biological Science program is designed to strengthen the scientific portfolio and provide specialized preparation for those individuals seeking careers in the health industry, water science, ecology or the natural sciences. The curriculum will strengthen student understanding of biology and increase competitiveness in their career of choice.

Required Courses (6 Credit Hours)
BIOL 5013 Experimental Design/Data Analysis
BIOL 5223 Grant/Science Writing & Communication

Required Track Courses (12 Credit Hours)
Students must select either the Thesis Track or the Non-Thesis Track.
Thesis Track (12 Credit Hours)
BIOL 5691-3 Thesis
BIOL 5713 Teaching in the Sciences
BIOL 5773 Graduate Examinations - Oral

Elective Courses (12 Credit Hours)
Students will select from between four to five of the following courses.
BIOL 5133 Special Topics in Evolution
BIOL 5144 Freshwater Invertebrate Zoology
BIOL 5254 Special Topics in Entomology
BIOL 5324 Advanced Topics in Herpetology
BIOL 5405 Advanced Techniques in Biotechnology
BIOL 5414 Advanced Topics in Ecology
BIOL 5424 Advanced Ethnobotany
BIOL 5525 Advanced Plant Ecophysiology
BIOL 5535 Advanced Plant Ecology
BIOL 5935 Advanced Limnology
BIOL 5981-4 Seminar in Biology
BIOL 5991-4 Individual Study in Biology
EHS 5223 Watershed Management
EHS 5553 Water Quality & Treatment
EHS 5802 Environmental Health Lab
EHS 5803 Environmental Toxicology
GIS 5613 Digital Mapping
GIS 5753 Special Programming
GIS 5913 Spatial Analysis
GIS 5953 GIS Workflows

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Master of Arts in Criminal Justice Administration (MA; 30 Credit Hours)

Program Purpose & Objectives
A Master of Art in Criminal Justice Administration degree supports the need for an understanding of the administration and management of criminal justice agencies and organizations. A degree in criminal justice administration trains students to be leaders and administrators in the field of criminal administrative roles in many areas of criminal justice including the following: city police departments, sheriff's offices, state departments of correction, federal law enforcement agencies, and private sector agencies. Specifically, this degree will prepare students for roles as police chiefs, assistant or deputy chiefs, sheriffs, undersheriffs, wardens, deputy wardens, and chief agents of law enforcement entities.

1. Use a multidisciplinary approach to increase students' understanding of leadership in criminal justice agencies and organizations.
2. Produce ethical criminal justice leaders who are responsible and informed decision makers.
3. Cultivate critical thinking skills that are applicable in criminal justice agencies and organizations.
4. Teach students to utilize evidence-based practices in criminal justice, leadership, and administration.

Required Courses (15 Credit Hours)
COUNS 5103 Human Services Research
CRJS 5013 Administration in the Criminal Justice System
CRJS 5113 Political & Legal Aspects of the Criminal Justice System
CRJS 5323 Foundations of the Criminal Justice Profession
CRJS 5433 Advanced Crime Theory

Elective Courses (15 Credit Hours)
Select five of the following courses:
COUNS 5283 Psychopharmacology & Substance Abuse
COUNS 5313 Diagnosis of Mental Health & Co-Occurring Disorders
COUNS 5673 Counseling the Culturally Diverse
CRJS 5213 Litigation in the Criminal Justice System
CRJS 5333 Crime Reduction Strategies
PSYCH 5113 Theories of Personality & Human Behavior
PSYCH 5183 Advanced Abnormal Psychology
PSYCH 5363 Fundamentals of Curriculum
WRPM 5113 Advanced Native American Law
WRPM 5193 Advanced Tribal Politics
WRPM 5213 Advanced Public Policy Making

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Master of Science in Clinical Mental Health Counseling (MS)

Program Purpose & Objectives
The Master's Degree in Clinical Mental Health Counseling is designed to provide the student with the theory, knowledge, and skills necessary for employment in a variety of public and private settings.

The program objectives are as follows:

1. To contribute to the career development of persons currently employed in both the public and private sector.
2. To prepare pre-service professionals to enter the fields of mental health counseling.
3. To provide practicum and internship experiences common to the students' career choice.
4. To develop the interpersonal, consultation, and coordination skills required for program development, management, and evaluation.
5. To provide specific specialized experiences related to the students' present or desired career objective.

Admission to the Master of Science in Clinical Mental Health Counseling Degree
The MSHR Program seeks mature, emotionally stable individuals with a strong sense of personal responsibility and integrity. With this in mind, applicants are assessed by the program's Graduate Admission Committee through an evaluation and weighing of all admission materials (e.g., admissions statement, interview, work experiences, recommendation forms, test scores) during both the fall and spring semesters. In addition to academic performance, measured primarily by grade point average, the Admissions Committee considers other factors that contribute to the development of a professional. Formal work experience in the human services, particularly in settings that serve public social services clients, is important. Other factors considered include: volunteer experience in the human services, life experiences and opportunities for personal growth, leadership, communication and interpersonal relationship skills, problem solving ability, the ability to work with and respect persons from diverse backgrounds, health and stamina, and motivation for graduate work and a career in administration, counseling or criminal justice.

Practicum/Internship
The student must complete an application form for practicum/ internship placement at least five weeks before the semester in which the practicum begins. The Practicum/Internship Coordinator will determine the type and appropriateness of supervision for each placement.

Ethics & Professional Standards
The student admitted to the Master of Science in Clinical Mental Health Counseling program needs to familiarize himself or herself with and act in accordance with the ethical standards required by the following boards, committees, or professional organizations.

1. American Counseling Association
2. Oklahoma State Board of Behavioral Health
3. National Board for Certified Counselors

Any behavior on the part of a student which may conflict with the above professional standards will be reviewed by a committee from the MSHR Student Review Committee. The student may be present at the committee meeting. The committee will have the authority to take any of the following actions, or any other appropriate actions: exonerate the student, notify the student and plan appropriate ameliorative action, notify appropriate boards and law enforcement agencies, drop the student from the program.

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Master of Science in Clinical Mental Health - Clinical Rehabilitation (60 Credit Hours)
This option prepares counseling professionals for employment in a variety of public and private settings. This training program affords students opportunities to gain the knowledge necessary to become highly-skilled professional counselors meeting the demands clinical mental health counseling. Students completing the program will satisfy the educational and clinical training requirements to be eligible for licensure (Licensed Professional Counselor— LPC).

An applicant for admission to the program must show evidence of professional potential. This option is fully accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP).

Research, Measurement & Statistics (3 Credit Hours)
COUNS 5103 Human Services Research
*Must be taken within the first eighteen (18) hours of the program.

Required Courses (51 Credit Hours)
COUNS 5163 App and Assess of Individuals, Groups and Families
COUNS 5213 Diagnosis
COUNS 5243 Foundations of Clinical Mental Health
*5243 must be taken within the first eighteen (18) hours of the program.
COUNS 5253 Counseling Ethics
COUNS 5323 Clinical Assessment
COUNS 5363 Theories of Marriage & Family Counseling
COUNS 5493 Counseling Skills
COUNS 5553 Practicum in Clinical Mental Health Counseling
COUNS 5603 Human Development
COUNS 5613 Counseling Theories
*5613 must be taken within the first eighteen (18) hours of the program.
COUNS 5623 Counseling Intervention
COUNS 5633 Career Counseling
COUNS 5673 Counseling the Culturally Diverse
COUNS 5713 Group Counseling Theory & Practice
COUNS 5943 Int in Clinical Rehab & Clin. Mental Health Counseling I
COUNS 5953 Int in Clinical Rehab & Clin. Mental Health Counseling II
COUNS 5963 Int in Clinical Rehab & Clin. Mental Health Counseling III

Elective Courses (6 Credit Hours)
Select two of the following courses:
COUNS 5043 Clinical Supervision & Administration
COUNS 5133 Human Sexuality
COUNS 5183 Addictions Theory
COUNS 5203 Child & Adolescent Counseling
COUNS 5283 Psychopharmacology & Substance Abuse
COUNS 5533 Crisis & Trauma Counseling
COUNS 5763 Integrated Behavioral Health
COUNS 5773 Counseling Technology & Telehealth

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Master of Science in Water Resource Policy & Management (MSWRPM; 30 Credit Hours)

Program Purpose & Objectives
The Master of Science in Water Resource Policy and Management supports the need for advanced understanding of the growing complexity of water issues that face communities in the state, nation, and globally. This degree trains students for leadership in making water policy decisions and prepares students who seek employment within federal and state environmental agencies, environmental non- governmental organizations, international development agencies, industry, and environmental consulting firms.

The program requires students to integrate and synthesize knowledge from multiple disciplines to address the complex challenges of water resource decisions and to develop solutions that are socially acceptable, politically and economically viable, and environmentally sustainable. Students will be broadly trained to undertake careers in managing water resources and in guiding or making water resource policy decisions.

Required Courses (15 Credit Hours)
WRPM 5103 Policy Research & Methodology
WRPM 5173 Integrated Water Resource Management
WRPM 5303 Water Resource Policy Analysis
WRPM 5313 Native American Water Rights
WRPM 5513 Advanced Watershed Management

Elective Courses (15 Credit Hours)
Select three of the following courses:
WRPM 5113 Advanced Native American Law
WRPM 5193 Advanced Tribal Politics
WRPM 5203 Natural Resource History & Policy
WRPM 5213 Advanced Public Policy Making
WRPM 5223 Water in Developing Countries
WRPM 5403 Water Law
WRPM 5413 Public Organization Theory
WRPM 5503 Environmental Conflict Management
WRPm 5603 Water Resource Economics
WRPM 5613 Hydrogeology
WRPM 5691-6 Thesis
WRPM 5703 International Environmental Policy
WRPM 5713 Advanced Water Quality & Treatment
WRPM 5813 Studies in Environmental Toxicology
WRPM 5913 Climate Change & Water
WRPM 5951-3 Internship in Water Resources
WRPM 5981-4 Seminar in Water Resources Policy & Management
WRPM 5991-4 Individual Study in Water Resources Policy & Management

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ECU COURSE CATALOG

ALL COURSES

(ACCT)

ACCT-2003 Financial and Managerial Accounting for Non-Business Majors **3 Credits**
THIS COURSE PROVIDES A SURVEY OF ACCOUNTING CONCEPTS AND PROCEDURES THAT WILL ENABLE STUDENTS TO BE INFORMED USERS OF FINANCIAL INFORMATION IN A BUSINESS SETTING. THIS COURSE MAY NOT BE SUBSTITUTED FOR ACCT 2103 FINANCIAL ACCOUNTING OR ACCT 2203 MANAGERIAL ACCOUNTING.

ACCT-2103 Financial Accounting **3 Credits**
THE STUDY OF CONCEPTS AND PROCEDURES FOR PREPARATION OF GENERAL PURPOSE FINANCIAL STATEMENTS USING GENERALLY ACCEPTED ACCOUNTING PRINCIPLES.

ACCT-2203 Managerial Accounting **3 Credits**
MANAGERIAL ACCOUNTING CONCEPTS AND OBJECTIVES, PLANNING AND CONTROL OF SALES AND COSTS, ANALYSIS OF COSTS AND PROFITS FOR MANAGEMENT DECISION MAKING. Required Previous: ACCT-2103 with a grade of C or higher.

ACCT-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-3203 Cost Accounting I **3 Credits**
ELEMENTARY PRINCIPLES OF COST ACCOUNTING; INTERNAL RECORDS OF MANUFACTURING BUSINESS; PROCESS AND JOB COST ACCOUNTING. Required Previous: ACCT-2203 with a grade of B or higher or department approval.

ACCT-3303 Intermediate Accounting I **3 Credits**
A COMPREHENSIVE STUDY OF FINANACIAL ACCOUNTING WITH EMPHASIS ON THE EVALUATION AND TREATMENT OF ASSETS AND THEIR RELATED INCOME STATEMENT ACCOUNTS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-3383 Federal Income Tax Accounting **3 Credits**
ACCOUNTING FOR INDIVIDUAL INCOME TAX REQUIREMENTS; PREPARATION OF INDIVIDUAL INCOME TAX RETURNS; TAX FORMS; AND INCOME TAX PROBLEMS. SPECIALIZED TOPICS INCLUDE TAXABLE AND NON-TAXABLE INCOME, BUSINESS DEDUCTIONS, DEPRECIATION, ITEMIZED DEDUCTIONS, EXEMPTIONS, FILING STATUS, GAINS AND LOSSES, AND TAX CREDITS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-3403 Intermediate Accounting II **3 Credits**
A CONTINUATION OF THE STUDY OF THE PRINCIPLES OF FINANCIAL ACCOUNTING THEORY AND PRACTICE. PRIMARY TOPICS INCLUDE STOCKHOLDERS EQUITY, DEBT, EQUITY, AND EARNINGS PER SHARE CALCULATION. Required Previous: ACCT-3303 with a grade of C or higher or department approval.

ACCT-3413 Business Ethics for Accountants **3 Credits**
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213.

ACCT-3423 Community Tax Preparation **3 Credits**
THIS COURSE WILL BE OPERATED UNDER THE NATIONAL VOLUNTEER INCOME TAX ASSISTANCE (VITA) PROGRAM. STUDENTS WILL PREPARE AND E-FILE TAX RETURNS FOR CLIENTS WITH LIMITED AND FIXED INCOMES. THE VITA EXPERIENCE CREATES AN ENVIRONMENT IN WHICH THE STUDENT CAN APPLY CLASSROOM KNOWLEDGE IN A PROFESSIONAL SETTING THAT FULFILLS AN UNMET COMMUNITY NEED. Required Previous: ACCT-3383 or department approval

ACCT-3453 Advanced Computer Accounting Applications **3 Credits**
STUDY OF ADVANCED TECHNIQUES FOR ADDRESSING COMPLEX ACCOUNTING AND BUSINESS PROBLEMS USING MICROCOMPUTER SOFTWARE PACKAGES. SOFTWARE PACKAGES USED INCLUDE ADVANCED MICROSOFT EXCEL, VISUAL BASIC, AND QUICKBOOOKS. ADDITIONAL DATABASE MANAGEMENT, PROJECT SCHEDULER, AND STATISTICAL PACKAGES MAY ALSO BE USED. Required Previous: ACCT-2203 with a grade of B or higher or departmental approval.

ACCT-3713 Governmental and Non-Profit Accounting **3 Credits**
STUDY OF GOVERNMENTAL AND NON-PROFIT ACCOUNTING. FINANCIAL STATEMENT PRESENTATION AND FUND ACCOUNTING FOR PUBLIC ENTITIES ARE EMPHASIZED. Required Previous: ACCT-3303 or departmental approval.

ACCT-3843 Accounting Information Systems **3 Credits**
THE STUDY OF THE ACCOUNTING SYSTEMS OF ORGANIZATIONS. EMPHASIS WILL BE DEVOTED TO THE TOPICS OF (A) THE CONCEPTS UNDERLYING THE DESIGN AND USE OF AN EFFECTIVE ACCOUNTING INFORMATION SYSTEM, (B) THE PARTICIPATION OF MANAGERS AND FUNCTIONAL SPECIALISTS IN THE

DEVELOPMENT OF ACCOUNTING SYSTEMS, (C) ADVANCED TECHNOLOGY CONCEPTS SUCH AS DATA BASES, INTERNET AND ELECTRONIC DATA INTERCHANGE, AND (D) CONTROL AND AUDIT OF EDP SYSTEMS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-4103 Fundamentals of Fraud Examination 3 Credits
THIS COURSE INTRODUCES THE PRINCIPLES OF FRAUD EXAMINATION, FOCUSING ON TYPES OF OCCUPATIONAL FRAUD, INCLUDING ASSET MISAPPROPRIATION, CORRUPTION, AND FINANCIAL STATEMENT FRAUD. STUDENTS WILL LEARN KEY TECHNIQUES IN FRAUD PREVENTION, DETECTION, AND INVESTIGATION, WITH AN EMPHASIS ON INTERNAL CONTROLS AND ETHICAL CONSIDERATIONS. THROUGH CASE STUDIES AND PRACTICAL EXERCISES, THE COURSE EQUIPS STUDENTS WITH THE SKILLS NEEDED TO IDENTIFY FRAUD RISKS AND APPLY INVESTIGATIVE METHODS ESSENTIAL FOR CARE Required Previous: Take ACCT-2203

ACCT-4123 Skills for Accounting Research 3 Credits
THIS COURSE INTRODUCES STUDENTS TO THE METHODS, TOOLS, AND PROFESSIONAL JUDGMENT REQUIRED TO CONDUCT EFFECTIVE ACCOUNTING RESEARCH. EMPHASIS IS PLACED ON DEVELOPING THE ABILITY TO IDENTIFY ACCOUNTING ISSUES, ACCESS AND NAVIGATE AUTHORITATIVE GUIDANCE, AND APPLY RESEARCH FINDINGS TO REAL-WORLD SCENARIOS. THE COURSE ALSO FOCUSES ON EVALUATING AND COMMUNICATING RESEARCH RESULTS. BY THE END OF THE COURSE, STUDENTS WILL BE ABLE TO CONDUCT STRUCTURED ACCOUNTING RESEARCH, SUPPORT DECISIONS WITH AUTHORI

ACCT-4203 Advanced Cost Accounting 3 Credits
CONTINUATION OF ACCT 3203. EMPHASIS IS PLACED ON ADVANCED COST ANALYSIS AND MANAGERIAL TOPICS. TOPICS COVERED INCLUDE DECISION MAKING MODELS, INVENTORY MANAGEMENT, JIT SYSTEMS, MATERIAL PLANNING, ACTIVITY BASED COSTING, ETC., AS THEY RELATE TO ASSISTING MANAGEMENT IN ITS PRODUCTION FUNCTIONS. Required Previous: ACCT-3203 with a grade of B or higher or department approval.

ACCT-4303 Advanced Accounting 3 Credits
ACCOUNTING FOR PARTNERSHIPS AND BRANCH OPERATIONS, BUSINESS COMBINATIONS AND CONSOLIDATED FINANCIAL STATEMENTS, REPORTING SEGMENTS FOR INTERIM PERIODS, AND TO THE SEC, FOREIGN CURRENCY TRANSLATIONS AND TRANSACTIONS, AND ACCOUNTING FOR FIDUCIARIES. Required Previous: ACCT-3403 or departmental approval.

ACCT-4353 Oil and Gas Accounting 3 Credits
A STUDY OF OIL AND GAS ACCOUNTING PRACTICES. TOPICS INCLUDE ACCOUNTING FOR LEASES, SUBLEASES, FREE WELLS, FARMOUTS, CARRIED INTERESTS, ACQUISITION COSTS, EXPLORATION AND DEVELOPMENT COSTS, OPERATING COSTS, JOINT INTEREST COSTS, AND REVENUE ACCOUNTING IN THE OIL AND GAS INDUSTRY. Required Previous: ACCT-4503 or departmental approval.

ACCT-4453 Short-Term Financial Management 3 Credits
AN IN-DEPTH STUDY OF SHORT-TERM FINANCIAL MANAGEMENT AND FINANCIAL STATEMENT ANALYSIS. TOPICS INCLUDE CASH MANAGEMENT, CREDIT AND COLLECTIONS, PAYABLES MANAGEMENT, BANK RELATIONS, SHORT-TERM INVESTING AND BORROWING, AND MANAGEMENT OF INTEREST RATE AND FOREIGN EXCHANGE RISKS. THE CLASS WILL PROVIDE PREPARATION FOR STUDENTS WISHING TO TAKE THE CERTIFIED TREASURY PROFESSIONAL ASSOCIATE (CTPA) EXAM. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

ACCT-4503 Auditing 3 Credits
AUDIT PROCEDURES; METHODS OF EXAMINATION OF FINANCIAL STATEMENTS; PREPARATION OF AUDIT WORKING PAPERS, STATEMENTS AND REPORTS. Required Previous: 18 hours from Accounting.

ACCT-4513 Auditing II 3 Credits
IN DEPTH STUDY OF ADVANCED TOPICS IN AUDITING. THESE ADVANCED TOPICS WILL INCLUDE AUDITING STANDARDS, AUDITING PRACTICE, AND CURRENT TOPICS IN AUDITING. Required Previous: ACCT-4503 or departmental approval.

ACCT-4621 Internship in Accounting 1 Credit
MINIMUM OF EIGHT WEEKS ON-THE-JOB EXPERIENCE RELATED TO ACCOUNTING. DAILY JOURNAL AND A WRITTEN REPORT RELATING THE WORK EXPERIENCE TO THE STUDENT'S ACCOUNTING MAJOR REQUIRED. OSCPA INTERNSHIP CERTIFICATE MAY BE ACCEPTED IN SUBSTITUTION. INTERNSHIP REQUIRES PRIOR APPROVAL AND WRITTEN AGREEMENT BETWEEN THE STUDENT AND THE DEPARTMENT. Required Previous: ACCT-3203 or departmental approval.

ACCT-4622 Internship in Accounting 2 Credits
MINIMUM OF EIGHT WEEKS ON-THE-JOB EXPERIENCE RELATED TO ACCOUNTING. DAILY JOURNAL AND A WRITTEN REPORT RELATING THE WORK EXPERIENCE TO THE STUDENT'S ACCOUNTING MAJOR REQUIRED. OSCPA INTERNSHIP CERTIFICATE MAY BE ACCEPTED IN SUBSTITUTION. INTERNSHIP REQUIRES PRIOR APPROVAL AND WRITTEN AGREEMENT BETWEEN THE STUDENT AND THE DEPARTMENT. Required Previous: ACCT-3203 or departmental approval.

ACCT-4623 Internship in Accounting 3 Credits
MINIMUM OF EIGHT WEEKS ON-THE-JOB EXPERIENCE RELATED TO ACCOUNTING. DAILY JOURNAL AND A WRITTEN REPORT RELATING THE WORK EXPERIENCE TO THE STUDENT'S ACCOUNTING MAJOR REQUIRED. OSCPA INTERNSHIP CERTIFICATE MAY BE ACCEPTED IN SUBSTITUTION. INTERNSHIP REQUIRES PRIOR APPROVAL AND WRITTEN AGREEMENT BETWEEN THE STUDENT AND THE DEPARTMENT.

ACCT-4703 Accounting Theory 3 Credits
A REVIEW OF FINANCIAL ACCOUNTING STANDARDS BOARD PRONOUNCEMENTS AND ACCOUNTING RESEARCH STUDIES. EMPHASIS IS PLACED ON TOPICS COVERED IN THE ACCOUNTING THEORY PORTION OF THE UNIFORM CPA EXAMINATION. Required Previous: 24 credits from subject ACCT.

ACCT-4723 Financial Statement Analysis 3 Credits
A DETAILED CASE STUDY OF TECHNIQUES AND PROCEDURES FOR ANALYZING FINANCIAL STATEMENTS OF CORPORATIONS WITHIN DIFFERENT INDUSTRIES. Required Previous: ACCT-3303 or departmental approval.

ACCT-4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4982 Seminar- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4983 Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4984 Seminar- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ACCT-4991 Individual Studies- 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TOSELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TOSELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TOSELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF THE DEPARTMENT OF ACCOUNTING.

ACCT-5023 Development of Accounting Theory 3 Credits
EXAMINES CONTEMPORARY FINANCIAL REPORTING ISSUES BOTH FROM A HISTORICAL CONTEXT AND IN TERMS OF THE EXTANT INSTITUTIONAL, ETHICAL, AND REGULATORY ENVIRONMENT. CASES AND OPEN-ENDED RESEARCH ASSIGNMENTS ARE USED TO HELP STUDENTS DEVELOP A FRAMEWORK FOR EXERCISING JUDGMENT WHEN THE LITERATURE PROVIDES NO DIRECT PRESCRIPTION ABOUT CORRECT REPORTING. Required Previous: ACCT-3403

ACCT-5043 Special Topics in Accounting- 3 Credits
IN DEPTH STUDY OF SELECTED ACCOUNTING TOPICS. MAY BE REPEATED FOR CREDIT WHEN TOPICS VARY. Required Previous: ACCT-3203

ACCT-5073 Advanced Auditing 3 Credits
AN IN-DEPTH STUDY OF ADVANCED TOPICS IN AUDITING. THE COURSE WILL PROVIDE THE STUDENT WITH A SOLID UNDERSTANDING OF THE METHODS AND PROCEDURES USED BY PUBLIC ACCOUNTING FIRMS IN PERFORMING EXAMINATIONS OF FINANCIAL STATEMENTS OF PUBLIC, PRIVATE, NON-PROFIT, AND GOVERNMENTAL ENTITIES. THE COURSE WILL COVER TOPICS THAT INCLUDE AUDITING STANDARDS, AUDITING PRACTICE, AND CURRENT TOPICS IN AUDITING. Required Previous: ACCT-4503

ACCT-5103 Financial Statement Analysis 3 Credits
A DETAILED STUDY OF TECHNIQUES AND PROCEDURES FOR ANALYZING FINANCIAL STATEMENTS OF CORPORATE ENTITIES WITHIN VARIOUS INDUSTRIES. Required Previous: FIN-3113

ACCT-5113 Accounting for Managers 3 Credits
A STUDY OF ACCOUNTING CONCEPTS AND REPORTING TECHNIQUES APPLIED IN A MANAGEMENT DECISION-MAKING CONTEXT. STUDENTS ANALYZE ACCOUNTING DATA FROM REAL-WORLD CASE STUDIES AND PRESENT THEIR ANALYSIS, CONCLUSIONS AND RECOMMENDATIONS. TOPICS COVERED WILL INCLUDE COST ACCOUNTING AND THE BEHAVIOR OF COSTS, BUDGETING, DIFFERENTIAL ANALYSIS AND RESPONSIBILITY ACCOUNTING. REPORTING TECHNIQUES INVOLVING THE USE OF CURRENT SPREADSHEET AND GRAPHIC PRESENTATION TECHNOLOGY WILL BE PRESENTED.

ACCT-5123 Tax Compliance and Planning 3 Credits
THE OBJECTIVE OF THIS COURSE IS TO BROADEN THE ABILITY OF THE STUDENT TO ENGAGE IN TAX COMPLIANCE, TAX RESEARCH, AND PERSONAL AND FINANCIAL TAX PLANNING WITH A FOCUS ON THE DEVELOPMENT OF SKILLS NECESSARY TO RESOLVE ISSUES IN THE TAX PRACTICE. Required Previous or Concurrent: ACCT-5203;

ACCT-5133 Advanced Accounting 3 Credits
ADVANCED STUDY OF COMPLEX FINANCIAL REPORTING TOPICS INCLUDING PARTNERSHIPS AND BRANCH OPERATIONS, BUSINESS COMBINATIONS, CONSOLIDATED FINANCIAL STATEMENTS, SEGMENT AND INTERIM REPORTING, SEC REPORTING REQUIREMENTS, FOREIGN CURRENCY TRANSACTIONS AND TRANSLATIONS, AND ACCOUNTING FOR FIDUCIARY ACTIVITIES. EMPHASIS IS PLACED ON THE APPLICATION OF AUTHORITATIVE GUIDANCE, TECHNICAL ANALYSIS, AND PREPARATION OF CONSOLIDATED AND SPECIALIZED FINANCIAL REPORTS IN ACCORDANCE WITH U.S. GAAP AND SEC REGULAT

ACCT-5143 Governmental and Non-Profit Accounting 3 Credits
EXAMINATION OF ACCOUNTING PRINCIPLES AND REPORTING REQUIREMENTS FOR GOVERNMENTAL AND NONPROFIT ORGANIZATIONS. EMPHASIS IS PLACED ON FUND ACCOUNTING, FINANCIAL STATEMENT PREPARATION AND PRESENTATION, AND THE APPLICATION OF GASB AND FASB STANDARDS TO PUBLIC SECTOR AND TAX-EXEMPT ENTITIES.

ACCT-5203 Advanced Federal Income Tax Accounting 3 Credits
AN IN-DEPTH STUDY OF ADVANCED TOPICS IN TAXATION. THE COURSE WILL PROVIDE THE STUDENT WITH A SOLID UNDERSTANDING OF THE METHODS AND PROCEDURES USED BY PUBLIC ACCOUNTING FIRMS IN PERFORMING FEDERAL INCOME TAX RETURNS OF INDIVIDUALS, CORPORATIONS, PARTNERSHIPS, ESTATES, AND TRUSTS. THE COURSE WILL COVER TOPICS THAT INCLUDE FEDERAL TAX LAW, CORPORATIONS, FLOW-THROUGH ENTITIES, TAX PLANNING AND RESEARCH, AND CURRENT TOPICS IN TAXATION. Required Previous: ACCT-3383

ACCT-5303 Forensic Accounting and Fraud Examination 3 Credits
AN IN DEPTH STUDY OF ORGANIZATIONAL FRAUD SCHEMES AND METHODS FOR DETECTING, INVESTIGATING, AND PREVENTING FRAUD. Required Previous: ACCT-4503

ACCT-5403 CPA Prep 3 Credits
THE COURSE IS DESIGNED TO PREPARE STUDENTS TO TAKE EACH OF THE FOUR SECTIONS OF THE UNIFORM CPA EXAM.

ACCT-5723 Skills for Accounting Research **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE METHODS, TOOLS, AND PROFESSIONAL JUDGMENT REQUIRED TO CONDUCT EFFECTIVE ACCOUNTING RESEARCH. EMPHASIS IS PLACED ON DEVELOPING THE ABILITY TO IDENTIFY ACCOUNTING ISSUES, ACCESS AND NAVIGATE AUTHORITATIVE GUIDANCE, AND APPLY RESEARCH FINDINGS TO REAL-WORLD SCENARIOS. THE COURSE ALSO FOCUSES ON EVALUATING AND COMMUNICATING RESEARCH RESULTS. BY THE END OF THE COURSE, STUDENTS WILL BE ABLE TO CONDUCT STRUCTURED ACCOUNTING RESEARCH, SUPPORT DECISIONS WITH AUTHORI

ACCT-5953 Internship in Accounting **3 Credits**
PROVIDES EXPERIENTIAL LEARNING DURING WHICH THE STUDENT WORKS UNDER THE SUPERVISION OF AN ACCOUNTING PRACTITIONER. THIS WORK EXPERIENCE MAYBE IN A PUBLIC, INDUSTRY, OR GOVERNMENT ACCOUNTING UNIT. THE STUDENT IS IMMERSED IN A VARIETY OF INTENSIVE WORK ASSIGNMENTS WITH INCREASING LEVELS OF RESPONSIBILITY. LIMITED TO STUDENTS ADMITTED TO MASTERS OF SCIENCE IN ACCOUNTING-PROFESSIONAL TRACK.

ACCT-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAYBE DONE IN ANY AREA OF ACCOUNTING.

ACCT-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. WORKMAY BE DONE IN ANY AREAS OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. WORKMAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. WORKMAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: Twelve (12) hours of Accounting.

ACCT-H2103 Honors-Financial Accounting **3 Credits**
THE STUDY OF CONCEPTS AND PROCEDURES FOR PREPARATION OF GENERAL PURPOSE FINANCIAL STATEMENTS USING GENERALLY ACCEPTED ACCOUNTING PRINCIPLES.

ACCT-H3203 Honors-Cost Accounting I **3 Credits**
ELEMENTARY PRINCIPLES OF COST ACCOUNTING; INTERNAL RECORDS OF MANUFACTURING BUSINESS; PROCESS AND JOB COST ACCOUNTING. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-H3383 Honors-Federal Income Tax Accounting **3 Credits**
ACCOUNTING FOR INDIVIDUAL INCOME TAX REQUIREMENTS; PREPARATION OF INDIVIDUAL INCOME TAX RETURNS; TAX FORMS; AND INCOME TAX PROBLEMS. SPECIALIZED TOPICS INCLUDE TAXABLE AND NON-TAXABLE INCOME, BUSINESS DEDUCTIONS, DEPRECIATION, ITEMIZED DEDUCTIONS, EXEMPTIONS, FILING STATUS, GAINS AND LOSSES, AND TAX CREDITS. Required Previous: ACCT-2103 with a grade of B or higher or department approval.

ACCT-H3403 Honors-Intermediate Accounting II **3 Credits**
A CONTINUATION OF THE STUDY OF THE PRINCIPLES OF FINANCIAL ACCOUNTING THEORY AND PRACTICE. PRIMARY TOPICS INCLUDE STOCKHOLDERS EQUITY, DEBT, EQUITY, AND EARNINGS PER SHARE CALCULATION. Required Previous: ACCT-3303 with a grade of C or higher or department approval.

ACCT-H3413 Honors-Business Ethics for Accountants **3 Credits**
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213. Required Previous: BUCOM-3133 or departmental approval.

ACCT-H3713 Honors-Governmental and Non-Profit Accounting **3 Credits**
STUDY OF GOVERNMENTAL AND NON-PROFIT ACCOUNTING. FINANCIAL STATEMENT PRESENTATION AND FUND ACCOUNTING FOR PUBLIC ENTITIES ARE EMPHASIZED. Required Previous: ACCT-3303 or departmental approval.

ACCT-H4203 Honors-Advanced Cost Accounting **3 Credits**
CONTINUATION OF ACCT 3203. EMPHASIS IS PLACED ON ADVANCED COST ANALYSIS AND MANAGERIAL TOPICS. TOPICS COVERED INCLUDE DECISION MAKING MODELS, INVENTORY MANAGEMENT, JIT SYSTEMS, MATERIAL PLANNING, ACTIVITY BASED COSTING, ETC., AS THEY RELATE TO ASSISTING MANAGEMENT IN ITS PRODUCTION FUNCTIONS. Required Previous: ACCT-3203 with a grade of B or higher or department approval.

ACCT-H4503 Honors-Auditing **3 Credits**
AUDIT PROCEDURES; METHODS OF EXAMINATION OF FINANCIAL STATEMENTS; PREPARATION OF AUDIT WORKING PAPERS, STATEMENTS AND REPORTS. Required Previous: BSEC-2603 or departmental approval.

ACCT-H5983 Honors-Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF ACCOUNTING. Required Previous: 12 hours of Accounting.

(ANTH)

ANTH-2003 Introduction to Cultural Resource Management **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE LAWS AND PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH AN EMPHASIS ON NATIVE AMERICAN CULTURAL RESOURCES.

ANTH-2523 Native Peoples of North America **3 Credits**
INTRODUCTION TO THE NATIVE PEOPLES, SOCIETIES, AND CULTURES NORTH OF MEXICO FROM PRE-COLUMBIAN TIMES TO THE PRESENT.

ANTH-2713 Introduction to Cultural Anthropology **3 Credits**
AN EXAMINATION OF HUMAN CULTURAL DIVERSITY.

ANTH-3003 Archaeological Theory & Methods **3 Credits**
THIS COURSE PROVIDES STUDENTS WITH THE TOOLS THEY WILL NEED TO CONDUCT ARCHAEOLOGICAL RESEARCH ALONG WITH AN UNDERSTANDING OF THE HISTORICAL, THEORETICAL, AND METHODOLOGICAL UNDERPINNINGS OF THE DISCIPLINE.

ANTH-4503 Archaeological Field School **3 Credits**
HANDS-ON TRAINING IN THE METHODS AND TECHNIQUES OF ARCHAEOLOGICAL FIELDWORK AT SITES WITHIN THE LOCAL AREA. THE COURSE IS REPEATABLE UP TO SIX (6) CREDIT HOURS. Required Previous: ANTH-2003

ANTH-4981 Seminar in Cultural Resource Management (Subject named in the title listing) **1 Credit**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-4982 Seminar in Cultural Resource Management (Subject named in title listing) **2 Credits**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-4983 Seminar in Cultural Resource Management (Subject named in title listing) **3 Credits**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-4984 Seminar in Cultural Resource Management (Subject named in title listing) **4 Credits**
THIS COURSE ENGAGES STUDENTS IN THE PRACTICE OF CULTURAL RESOURCE MANAGEMENT WITH A COMMUNITY PARTNER. EACH YEAR STUDENTS WORK TOGETHER AS A TEAM ON A SUITABLE PROJECT, CREATING A PROFESSIONAL PRODUCT. Required Previous: ANTH-2003

ANTH-H2523 Honors-Native Peoples of North America **3 Credits**
INTRODUCTION TO THE NATIVE PEOPLES, SOCIETIES, AND CULTURES NORTH OF MEXICO FROM PRE-COLUMBIAN TIMES TO THE PRESENT.

(ART)

ART-1123 Computers for Creatives **3 Credits**
A COURSE THAT INTRODUCES THE CREATIVE STUDENT TO THE MOST COMMON SOFTWARE IN USE IN THE CREATIVE SPHERE. STUDIES INCLUDE, BUT ARE NOT LIMITED TO THE ADOBE CREATIVE SUITE, AS WELL AS SOFTWARE FOR CAPTURING AND MANIPULATING THREE DIMENSIONAL OBJECTS AND OTHER TECHNOLOGY COMMONLY USED BY CREATIVES.

ART-1133 Drawing I **3 Credits**
INTRODUCTORY LAB COURSE IN DRAWING LOGIC. STUDY INCLUDES THE HISTORY AND THEORY OF DRAWING, THE DEVELOPMENT OF DRAWING ACCURACY AND KNOWLEDGE OF DRAWING MATERIALS AND TECHNIQUES.

ART-1143 Theory and Social Practice **3 Credits**
AN INTRODUCTION TO COMMON CONTEMPORARY ARTISTIC THEORIES. THEORIES INCLUDE: SEMIOTICS AND STRUCTURALISM, DECONSTRUCTION AND POST STRUCTURALISM, PSYCHOANALYSIS AND IDENTITY, FEMINIST AND QUEER THEORY, POSTCOLONIAL THEORY, SOCIOECONOMIC THEORY, PHENOMENOLOGY AND POST HUMANISM.

ART-1213 Two Dimensional Design **3 Credits**
INTRODUCTORY LAB COURSE IN TWO-DIMENSIONAL DESIGN. STUDY INCLUDES THE HISTORY AND THEORY OF TWO-DIMENSIONAL DESIGN, THE PRINCIPLES OF DESIGN ORGANIZATION, AND THE APPLICATION OF PLASTIC ELEMENTS TO SOLVE DESIGN PROBLEMS.

ART-1313 Three Dimensional Design **3 Credits**
INTRODUCTORY LAB COURSE IN THREE-DIMENSIONAL DESIGN. STUDY INCLUDES THE HISTORY AND THEORY OF THREE-DIMENSIONAL DESIGN, THE PRINCIPLES OF DESIGN ORGANIZATION, AND THE APPLICATION OF PLASTIC ELEMENTS TO SOLVE DESIGN PROBLEMS.

ART-2103 Integrated Studio I **3 Credits**
A COURSE IN WHICH THE STUDENT EMPLOYS MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-2113 History of Graphic Design **3 Credits**
THIS COURSE EXPLORES THE EVOLUTION OF GRAPHIC DESIGN, FROM ITS ORIGINS IN EARLY MANUSCRIPT TRADITIONS TO THE DIGITAL REVOLUTION OF TODAY. STUDENTS WILL EXAMINE KEY MOVEMENTS, INFLUENTIAL DESIGNERS, AND THE IMPACT OF SOCIAL, POLITICAL, AND TECHNOLOGICAL CHANGES ON VISUAL COMMUNICATION.

ART-2153 Typography I **3 Credits**
THIS COURSE EXAMINES THE BASICS OF TYPOGRAPHY AS A COMPOSITIONAL TOOL. STUDENTS WILL EXPLORE THE ARCHITECTURE OF SINGLE LETTERFORMS, THE PRINCIPLES OF SETTING TYPE, PAGE LAYOUT, AND PUBLICATION DESIGN. STUDENTS WILL RESEARCH AND PRESENT THEIR FINDINGS ON THE HISTORY OF TYPOGRAPHY. ALL ASPECTS OF TYPOGRAPHY ARE LEARNED THROUGH IN-CLASS DEMONSTRATIONS AND STUDIO WORK. THERE IS AN EMPHASIS ON TECHNICAL PROBLEM SOLVING AND AESTHETIC USE OF DISPLAY AND TYPE.

ART-2213 Watercolor I **3 Credits**
AN INTRODUCTORY COURSE IN WATERCOLOR PAINTING. STUDY INCLUDES HISTORY AND THEORY OF WATERCOLOR, THE DEVELOPMENT OF TECHNIQUES AND SKILLS WORKING WITH WATERCOLOR, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE WATERCOLOR PROBLEMS.

ART-2233 Art in Life **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN CULTURES EMPHASIZING AMERICAN AND EUROPEAN CULTURES AS MANIFESTED IN VISUAL ART AND ARCHITECTURE FROM PREHISTORIC TIMES TO PRESENT.

ART-2243 Art History Survey I **3 Credits**
PALEOLITHIC ART THROUGH THE HIGH GOTHIC PERIOD (35,000 B.C. - 1300 A.D.).

ART-2253 Art History Survey II **3 Credits**
RENAISSANCE ART THROUGH CONTEMPORARY ART (1300 A.D. TO THE PRESENT).

ART-2273 Survey of Multicultural Art **3 Credits**
A STUDY OF SIGNIFICANT IDEAS MANIFESTED IN THE VISUAL ART AND ARCHITECTURE OF NON-WESTERN CULTURES FROM THE PALEOLITHIC PERIOD TO TODAY.

ART-2313 Painting I **3 Credits**
AN INTRODUCTORY COURSE IN OIL AND/OR ACRYLIC PAINTING. STUDY INCLUDES HISTORY AND THEORY OF PAINTING, THE DEVELOPMENT OF SKILLS AND TECHNIQUES OF PAINTING, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE VISUAL PROBLEMS.

ART-2423 Color Theory **3 Credits**
IN THIS COURSE STUDENTS APPLY COLOR PRINCIPLES TO A VARIETY OF DESIGN PROBLEMS AND DEVELOP THE ABILITY TO WORK IN BOTH EXPRESSIVE AND FORMAL MANNER.

ART-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-2943 Principles of Graphic Design **3 Credits**
THIS COURSE EXAMINES THE PRINCIPLES OF GRAPHIC DESIGN THROUGH EXERCISES AND ASSIGNMENTS GEARED TOWARD EXPERIMENTATION AND EXPRESSION OF TYPE, WITH EMPHASIS ON THE GRAPHIC DESIGN PROCESS. TOPICS INCLUDE BASIC TERMINOLOGY, PRINCIPLES AND FUNDAMENTALS, COMPREHENSION OF THE VISUAL LANGUAGE AND THE HISTORY OF GRAPHIC DESIGN. STUDENTS WILL LEARN TO USE THE ADOBE SUITE SOFTWARE IN PREPARATION OF COMMERCIAL APPLICATIONS IN PRINT BASED MEDIA. FOUNDATIONAL COURSE FOR THE ADVANCED COURSES IN GRAPHIC DESIGN

ART-3103 Integrated Studio II **3 Credits**
AN INTERMEDIATE COURSE IN WHICH THE STUDENT EMPLOYS MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-3133 Drawing II **3 Credits**
AN ADVANCED COURSE IN DRAWING LOGIC. EMPHASIS UPON THE DEVELOPMENT OF DRAWING ACCURACY REGARDING PERSPECTIVE, LINE, VALUE, TEXTURE, AND COMPOSITION. Required Previous: Art-1133

ART-3143 Drawing III **3 Credits**
AN ADVANCED DRAWING COURSE CONTINUING STUDY STARTED IN DRAWING II, GREATER FOCUS ON COMPOSITION AND THEMATIC INTERPRETATIONS IN DRAWING. Required Previous: ART-3133

ART-3153 Typography II **3 Credits**
THIS COURSE EXAMINES TYPOGRAPHY AS A COMPOSITIONAL TOOL. STUDENT WILL EXPLORE THE ARCHITECTURE OF SINGLE LETTERFORMS, THE PRINCIPLES OF SETTING TYPE, PAGE LAYOUT, AND PUBLICATION DESIGN. STUDENTS WILL RESEARCH AND PRESENT THEIR FINDINGS ON THE HISTORY OF TYPOGRAPHY. ALL ASPECTS OF TYPOGRAPHY ARE LEARNED THROUGH IN-CLASS DEMONSTRATIONS AND STUDIO WORK. THERE IS EMPHASIS ON TECHNICAL PROBLEM SOLVING AND AESTHETIC USE OF DISPLAY AND TYPE. Required Previous: ART-2153

ART-3163 Publication Design **3 Credits**
A STUDY OF THE PRINCIPLES AND TECHNIQUES OF DESIGNING PRINT AND DIGITAL PUBLICATIONS, INCLUDING MAGAZINES, BOOKS, NEWSPAPERS, AND BROCHURES. STUDENTS WILL LEARN ABOUT TYPOGRAPHY, LAYOUT COMPOSITION, AND VISUAL STORYTELLING TO CREATE COMPELLING AND FUNCTIONAL DESIGNS USING INDUSTRY-STANDARD SOFTWARE. Required Previous: ART-2943

ART-3213 Watercolor II **3 Credits**
AN INTERMEDIATE COURSE IN WATERCOLOR PAINTING. EMPHASIS UPON THE DEVELOPMENT OF PROCESSES, MATERIALS, AND KNOWLEDGES AS THEY RELATE TO WATERCOLOR. Required Previous: ART-2213

ART-3223 Watercolor III **3 Credits**
AN ADVANCED WATERCOLOR COURSE DEALING WITH THE PROCESSES, MATERIALS, AND KNOWLEDGES INTRODUCED IN WATERCOLOR II. EMPHASIS ON COMPOSITION AND INDIVIDUAL SOLUTIONS. Required Previous: ART-3213

ART-3273 Aesthetics **3 Credits**
AN INTRODUCTORY COURSE IN AESTHETIC PHILOSOPHY, READINGS AND WRITING. STUDENT WILL DEVELOP AND EXPLORE DIFFERENT CONCEPTS ABOUT CREATIVITY, ART, AUDIENCE AND ART'S ROLE IN SOCIETIES.

ART-3303 Motion Graphics **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE FUNDAMENTAL TECHNIQUES AND COMPONENTS OF MOTION DESIGN. STUDENTS WILL EXPLORE BASIC CONCEPTS OF ART AND DESIGN IN TIME. THE COURSE INTEGRATES DESIGN, IMAGE, SOUND, VIDEO, AND ANIMATION.

ART-3313 Painting II **3 Credits**
AN INTERMEDIATE COURSE IN OIL AND/OR ACRYLIC PAINTING. EMPHASIS UPON THE CREATIVE USE OF MATERIALS AND TECHNIQUES, CONCEPTS OF ORGANIZATION, AND SUBJECTIVE IMAGERY. Required Previous: ART-2313

ART-3323 Painting III **3 Credits**
AN ADVANCED PAINTING COURSE. EMPHASIS ON COMPOSITION, EXPERIMENTATION, AND INDIVIDUAL EXPRESSION. Required Previous: ART-3313

ART-3403 Figure Drawing I **3 Credits**
A BASIC STUDIO DRAWING COURSE THAT STUDIES THE SUBJECT OF THE HUMAN FIGURE. STUDY INCLUDES DRAWING FROM THE SKELETON, THE LIVE MODEL, AND ANATOMICAL CHARTS AND CASTS. Required Previous: ART-1133

ART-3413 Figure Drawing II **3 Credits**
AN ADVANCED DRAWING COURSE THAT EMPHASIZES THE COMPOSITIONAL POTENTIALS OF THE HUMAN FIGURE. STUDY INCLUDES OBJECTIVE RENDERING, EXPERIMENTAL TECHNIQUES, AND ADVANCED PROBLEMS OF DRAWING FROM THE MODEL. Required Previous: ART-3403

ART-3513 Sculpture I **3 Credits**
AN INTRODUCTORY COURSE IN SCULPTURE. STUDY INCLUDES THE HISTORY AND THEORY OF SCULPTURE, THE BASIC TECHNIQUES OF SCULPTURE, CARVING, MODELING, BUILDING, AND CASTING, AND THE APPLICATION OF THESE KNOWLEDGES TO SOLVE VISUAL PROBLEMS.

ART-3613 Sculpture II **3 Credits**
AN INTERMEDIATE COURSE IN SCULPTURE. EMPHASIS UPON THE CREATIVE USE OF MATERIALS, TECHNIQUES, AND CONCEPTS OF ORGANIZATION. Required Previous: ART-3513

ART-3623 Sculpture III **3 Credits**
AN ADVANCED SCULPTURE COURSE. EMPHASIS ON REFINING THE THREE-DIMENSIONAL CONCEPT, EXPERIMENTATION AND INDIVIDUAL SOLUTIONS. Required Previous: ART-3613

ART-3713 Printmaking I **3 Credits**
AN INTRODUCTORY COURSE IN PRINTMAKING. STUDY INCLUDES HISTORY AND THEORY OF PRINTMAKING, THE BASIC TECHNIQUES OF PRINTMAKING, WOODCUT, LINOCUT, SILKSCREEN, MONOPRINT, AND INTAGLIO, AND THE APPLICATION OF THESE KNOWLEDGES AND TECHNIQUES TO SOLVE VISUAL PROBLEMS.

ART-3813 Ceramics I **3 Credits**
AN INTRODUCTORY COURSE IN CERAMICS. STUDY INCLUDES THE HISTORY AND THEORY OF CERAMICS, THE BASIC TECHNIQUES OF CERAMICS, HAND FORMING, WHEEL THROWING, AND GLAZE FORMULATION, AND KNOWLEDGE OF CLAY BODIES.

ART-3823 Crafts **3 Credits**
INTRODUCTORY LAB COURSE IN CRAFTS. STUDY INCLUDES THE HISTORY AND THEORY OF CRAFTS, THE SOLUTION OF CRAFT PROBLEMS IN CERAMICS, WEAVING, AND METALSMITHING, AND THE APPLICATION OF SOUND DESIGN ORGANIZATIONAL CONCEPTS.

ART-3903 Figure Drawing III **3 Credits**
AN ADVANCED DRAWING COURSE THAT UTILIZES THE MODEL FOR PERSONAL EXPRESSION. EMPHASIS IS GIVEN TO THE DEVELOPMENT OF PERSONAL STYLE, ADVANCED RENDERING, EXPERIMENTAL TECHNIQUES, AND PROBLEMS IN DRAWING THE FIGURE. Required Previous: Art-3413

ART-3923 Digital & Electronic Art I **3 Credits**
THIS COURSE IS AN EXPLORATION OF DIGITAL AND ELECTRONIC PROCESSES IN CONTEMPORARY ART MAKING. STUDENTS ARE INTRODUCED TO TOPICS SUCH AS ACCESSIBILITY, USABILITY, AND INTERFACE. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING DEPENDING ON TERM: VIDEO AS ART MEDIUM, 3D MODELING AND PRINTING, DIGITAL COLLAGE, ANIMATION, PROTOTYPING TECHNIQUES, AND INTERACTIVE OBJECTS.

ART-3943 Graphic Design I **3 Credits**
THIS IS AN INTERMEDIATE COURSE THAT FOCUSES ON THE REFINEMENT OF STUDENT'S PROBLEM SOLVING SKILLS IN GRAPHIC DESIGN AS A MEDIUM OF COMMUNICATION. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING DEPENDING ON TERM: POSTER DESIGN AND

DIGITAL ILLUSTRATION, BRANDING AND IDENTITY SYSTEMS, DATA VISUALIZATION AND INFORMATION DESIGN, AND PACKAGE DESIGN. Required Previous: ART-2943

ART-3953 Graphic Design II **3 Credits**
THIS IS A SECONDARY, INTERMEDIATE COURSE THAT FOCUSES ON THE REFINEMENT OF STUDENT'S PROBLEM SOLVING SKILLS IN GRAPHIC DESIGN AS A MEDIUM OF COMMUNICATION. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING, DEPENDING ON TERM: POSTER DESIGN AND DIGITAL ILLUSTRATION, BRANDING AND IDENTITY SYSTEMS, DATA VISUALIZATION AND INFORMATION DESIGN, AND PACKAGE DESIGN. Required Previous: ART-3943

ART-4103 Integrated Studio III **3 Credits**
AN ADVANCED COURSE IN WHICH THE STUDENT EMPLOYS MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-4113 Motion Graphics II **3 Credits**
THIS COURSE IS DESIGNED FOR STUDENTS WITH A FOUNDATIONAL UNDERSTANDING OF MOTION DESIGN WHO WANT TO ELEVATE THEIR SKILLS IN CREATING DYNAMIC, VISUALLY ENGAGING ANIMATIONS. THIS COURSE EXPLORES ADVANCED TECHNIQUES IN ANIMATION PRINCIPLES, KINETIC TYPOGRAPHY, 3D MOTION GRAPHICS, VISUAL EFFECTS, AND COMPOSITING. Required Previous: Take ART-3303

ART-4203 Integrated Studio IV **3 Credits**
A MORE ADVANCED COURSE IN WHICH THE STUDENT WORKS TO DEFTLY EMPLOY MULTIPLE MATERIALS TO CREATE ART IN AN IMMERSIVE INTERDISCIPLINARY ENVIRONMENT.

ART-4213 History of Art - Contemporary **3 Credits**
TWENTIETH AND TWENTY-FIRST CENTURY ART. CUBISM THROUGH CONTEMPORARY ART.

ART-4403 Figure Drawing IV **3 Credits**
A CONTINUATION OF FIGURE DRAWING III. EMPHASIS ON ARTISTRY AND DEVELOPMENT OF THE INDIVIDUAL STUDENT'S POINT OF VIEW, BOTH AS A CRITIC AND AS A PRACTICING ARTIST.

ART-4513 Art for Secondary Teachers **3 Credits**
A STUDY OF PROBLEMS AND METHODS IN TEACHING VARIOUS ARTS IN HIGH SCHOOL: PLANNING AND ORGANIZING ART LABORATORIES IN REGARD TO MATERIALS AND SUBJECTS.

ART-4613 Sculpture IV **3 Credits**
A CONTINUATION OF SCULPTURE III. EMPHASIS ON INNOVATIVE INDIVIDUAL SOLUTIONS IN THOSE AREAS THAT ARE MOST VITAL TO THE STUDENT. Required Previous: ART-3623

ART-4713 Printmaking II **3 Credits**
AN INTERMEDIATE COURSE IN PRINTMAKING. EMPHASIS UPON THE CREATIVE USE OF MATERIALS AND PROCESSES; INTAGLIO, LITHOGRAPHY, AND SILKSCREEN. APPLICATION OF CONCEPTS OF ORGANIZATION, TECHNIQUES, AND KNOWLEDGES TO SOLVE VISUAL PROBLEMS. Required Previous: ART-3713

ART-4723 Printmaking III **3 Credits**
AN ADVANCED PRINTMAKING COURSE. EMPHASIS ON THE SELECTION OF PROCESS, COMPOSITION AND EXPERIMENTATION WITH COLOR PRINTING. Required Previous: ART-4713

ART-4741 Professional Practice I **1 Credit**
STUDENTS WILL WORK ON DEVELOPING METHODOLOGIES ASSOCIATED WITH PROFESSIONAL PRACTICE INCLUDING PREPARATION OF RESUMES OR CURRICULUM VITA, DOCUMENTATION OF THEIR WORKS, DEVELOPMENT OF A WEB PAGE AND GENERAL STUDIO PRACTICES.

ART-4813 Ceramics II **3 Credits**
AN INTERMEDIATE COURSE IN CERAMICS. EMPHASIS UPON MORE SOPHISTICATED WHEEL FORMING AND GLAZE TECHNIQUES. Required Previous: ART-3813

ART-4823 Ceramics III **3 Credits**
AN ADVANCED CERAMIC COURSE. EMPHASIS ON SCULPTURE OR POTTERY FORMS SELECTED BY THE STUDENT. Required Previous: ART-4813

ART-4841 Professional Practice II **1 Credit**
A MORE ADVANCED COURSE IN WHICH STUDENTS WILL WORK ON DEVELOPING METHODOLOGIES ASSOCIATED WITH PROFESSIONAL PRACTICE INCLUDING PREPARATION OF RESUMES OR CURRICULUM VITA, DOCUMENTATION OF THEIR WORKS, DEVELOPMENT OF A WEB PAGE AND GENERAL STUDIO PRACTICES. Required Previous: ART-4741

ART-4923 Digital & Electronic Art II **3 Credits**
THIS COURSE IS AN ADVANCED EXPLORATION OF DIGITAL AND ELECTRONIC PROCESSES IN CONTEMPORARY ART MAKING. STUDENTS ARE INTRODUCED TO TOPICS SUCH AS ACCESSIBILITY, USABILITY AND INTERFACE. THIS COURSE VARIES BY SEMESTER AND INSTRUCTOR TO COVER SOME OF THE FOLLOWING DEPENDING ON TERM: VIDEO AS ART MEDIUM, 3D MODELING AND PRINTING, DIGITAL COLLAGE, ANIMATION, PROTOTYPING TECHNIQUES, AND INTERACTIVE OBJECTS. Required Previous: ART-3923

ART-4943 Graphic Design Internship **3 Credits**
STUDENTS WILL RECEIVE 3 CREDIT HOURS FOR WORKING ON AN INTERNSHIP OVER THE COURSE OF THE SEMESTER. STUDENTS MUST TURN IN 90 LOGGED HOURS AND MEET PERIODICALLY WITH THE INSTRUCTOR TO REPORT THEIR PROGRESS. THE INTERNSHIP MUST BE ARRANGED BEFORE THE START OF THE SEMESTER OR THE STUDENT WILL BE DROPPED FROM THE CLASS. CAN BE TAKEN TWICE FOR CREDIT, BUT ONLY THREE HOURS COUNT TOWARDS THE MAJOR.

ART-4971 Senior Exhibit **1 Credit**
THIS SENIOR EXHIBITION IS A CUMULATIVE STATEMENT OF THE STUDENTS PREPARATION TO PROCEED ON AN ART CAREER BEYOND THE BACCALAUREATE DEGREE. Required Previous: ART-4741

ART-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY IN SPECIAL SUBJECT OR PROBLEM.

ART-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4991 Individual Studies- **1 Credit**
STUDIO PRACTICE FOR SENIORS AND ADVANCED STUDENTS. OPEN ONLY TO SELECTED UNDERGRADUATES.

ART-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ART-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Art and Departmental Approval

ART-H1113 Honors-Fundamentals of Art **3 Credits**
BASIC COURSE FOR UNDERSTANDING THE RUDIMENTS AND TECHNIQUES OF CREATIVE ART, WITH SOME EMPHASIS ON THE APPRECIATION OF ART IN RELATION TO LIVING IN TODAY'S SOCIETY.

ART-H2213 Honors-Watercolor I **3 Credits**
AN INTRODUCTORY COURSE IN WATERCOLOR PAINTING. STUDY INCLUDES HISTORY AND THEORY OF WATERCOLOR, THE DEVELOPMENT OF TECHNIQUES AND SKILLS WORKING WITH WATERCOLOR, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE WATERCOLOR PROBLEMS.

ART-H2253 Honors-Art History Survey II **3 Credits**
RENAISSANCE ART THROUGH CONTEMPORARY ART (1300 A.D. TO THE PRESENT).

ART-H2313 Honors-Painting I **3 Credits**
AN INTRODUCTORY COURSE IN OIL AND/OR ACRYLIC PAINTING. STUDY INCLUDES HISTORY AND THEORY OF PAINTING, THE DEVELOPMENT OF SKILLS AND TECHNIQUES OF PAINTING, AND THE APPLICATION OF THESE KNOWLEDGES AND PROCESSES TO SOLVE VISUAL PROBLEMS.

ART-H3213 Honors-Watercolor II **3 Credits**
AN INTERMEDIATE COURSE IN WATERCOLOR PAINTING. EMPHASIS UPON THE DEVELOPMENT OF PROCESSES, MATERIALS, AND KNOWLEDGES AS THEY RELATE TO WATERCOLOR. Required Previous: ART-2213

ART-H3313 Honors-Painting II **3 Credits**
AN INTERMEDIATE COURSE IN OIL AND/OR ACRYLIC PAINTING. EMPHASIS UPON THE CREATIVE USE OF MATERIALS AND TECHNIQUES, CONCEPTS OF ORGANIZATION, AND SUBJECTIVE IMAGERY. Required Previous: ART-2313

ART-H3323 Honors-Painting III **3 Credits**
AN ADVANCED PAINTING COURSE. EMPHASIS ON COMPOSITION, EXPERIMENTATION, AND INDIVIDUAL EXPRESSION. Required Previous: ART-3313

ART-H3713 Honors-Printmaking I **3 Credits**
AN INTRODUCTORY COURSE IN PRINTMAKING. STUDY INCLUDES HISTORY AND THEORY OF PRINTMAKING, THE BASIC TECHNIQUES OF PRINTMAKING, WOODCUT, LINOCUT, SILKSCREEN, MONOPRINT, AND INTAGLIO, AND THE APPLICATION OF THESE KNOWLEDGES AND TECHNIQUES TO SOLVE VISUAL PROBLEMS.

ART-H4213 Honors-History of Art-Contemporary **3 Credits**
TWENTIETH AND TWENTY-FIRST CENTURY ART. CUBISM THROUGH CONTEMPORARY ART.

ART-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-S4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ART-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(ASLHR)

ASLHR-2613 American Sign Language I **3 Credits**
COURSE CONSISTS OF PRINCIPLES, METHODS, AND TECHNIQUES OF COMMUNICATING MANUALLY WITH THE DEAF. EMPHASIS WILL BE ON DEVELOPING MANUAL COMMUNICATION SKILLS AND A BASIC VOCABULARY IN AMERICAN SIGN LANGUAGE AND AN UNDERSTANDING OF BASIC GRAMMATICAL PRINCIPLES OF AMERICAN SIGN LANGUAGE. ALSO INCLUDED WILL BE A BRIEF ORIENTATION TO THE VARIOUS SYSTEMS OF SIGNED ENGLISH.

ASLHR-3063 American Sign Language II **3 Credits**
COURSE PROVIDES CONTINUED DEVELOPMENT OF AMERICAN SIGN LANGUAGE VOCABULARY AND ASL GRAMMAR. EMPHASIS WILL BE ON DEVELOPING EXPRESSIVE AND RECEPTIVE SIGNING SKILLS IN ASL. Required Previous: ASLHR-2613 or departmental approval

ASLHR-3163 Fingerspelling and Conversational American Sign Language **3 Credits**
A COURSE DESIGNED TO DEVELOP EXPRESSIVE AND RECEPTIVE FINGERSPELLING SKILLS, AS WELL AS DEVELOPING THE STUDENTS' UNDERSTANDING AND USE OF CONVERSATIONAL ASL.

ASLHR-4703 American Sign Language III **3 Credits**
AN IN-DEPTH STUDY OF AMERICAN SIGN LANGUAGE GRAMMAR, SYNTAX, IDIOMS, AND COLLOQUIALISMS. INCLUDES BODY LANGUAGE, MIME, AND OTHER FORMS OF NON-VERBAL COMMUNICATION. Required Previous: ASLHR-3063 or departmental approval

ASLHR-4733 American Sign Language IV **3 Credits**
A CONTINUED STUDY OF AMERICAN SIGN LANGUAGE WITH EMPHASIS ON INCREASING SIGN LANGUAGE SKILLS. ALSO INCLUDED WILL BE THE PRINCIPLES OF ARTISTIC INTERPRETING. Required Previous: ASLHR-4703

ASLHR-H4703 Honors-American Sign Language III **3 Credits**
AN IN-DEPTH STUDY OF AMERICAN SIGN LANGUAGE GRAMMAR, SYNTAX, IDIOMS, AND COLLOQUIALISMS. INCLUDES BODY LANGUAGE, MIME, AND OTHER FORMS OF NON-VERBAL COMMUNICATION. Required Previous: ASLHR-3063 or departmental approval

ASLHR-H4733 Honors-Amer Sign Lang IV **3 Credits**
A CONTINUED STUDY OF AMERICAN SIGN LANGUAGE WITH EMPHASIS ON INCREASING SIGN LANGUAGE SKILLS. ALSO INCLUDED WILL BE THE PRINCIPLES OF ARTISTIC INTERPRETING. Required Previous: ASLHR-4703

(B/C/P)

B/C/P-4113 Methods of Teaching Biological and Physical Sciences **3 Credits**
PHILOSOPHY, METHODOLOGY AND RESOURCES FOR TEACHING HIGH SCHOOL (7TH-12TH GRADE) BIOLOGY, CHEMISTRY, AND PHYSICS. Required Previous: EDUC-4042 or EDUC-4632

(BIOED)

BIOED-S5981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(BIOL)

BIOL-1114 General Biology I **4 Credits**
INCLUDES IN-DEPTH STUDY OF FUNDAMENTAL BIOLOGICAL PRINCIPLES AND CONCEPTS RELEVANT TO THE BIOLOGY OF ANIMALS, PLANTS, FUNGI AND MICROBES. EMPHASIS IS ON THE CHARACTERISTICS OF LIFE, BIOLOGICAL CHEMISTRY, CELL STRUCTURE AND FUNCTION, CELLULAR ENERGETICS, MOLECULAR

BIOLOGY AND GENETICS. INCLUDES BIOLOGICAL LABORATORY EXPERIENCE WITH EMPHASIS ON CRITICAL THINKING AND PROBLEM SOLVING. Required Previous or Concurrent: Class Pre-requisite(s): 19 on ACT-Science or SAT equivalent, PHSCI-0123 or Placement exam or PHSCI-0001 concurrently.

BIOL-1114L General Biology I Laboratory **0 Credits**
LAB COURSE FOR BIOL-1114.

BIOL-1134 General Biology II **4 Credits**
ONE OF A TWO-SEMESTER SEQUENCE OF INTRODUCTORY BIOLOGY COURSES WITH LABS DESIGNED SPECIFICALLY FOR BIOLOGY MAJORS. MAJOR BIOLOGICAL PRINCIPLES AND CONCEPTS AS ILLUSTRATED IN A SURVEY OF THE DIVERSITY, BEHAVIOR, PHYSIOLOGY, AND ECOLOGICAL FUNCTIONS OF ANIMALS, PLANTS, FUNGI, AND MICROBES. EMPHASIS IS ON EVOLUTION, ECOLOGY, AND DIVERSITY. WILL INCLUDE BIOLOGICAL LABORATORY EXPERIENCE WITH EMPHASIS ON PROBLEM SOLVING. WILL INCLUDE TRAINING IN SCIENTIFIC PROCEDURES, INCLUDING LABORATORY TECHNICAL SK Required Concurrent: Take BIOL-1134L

BIOL-1134L General Biology II Laboratory **0 Credits**
LAB COURSE FOR BIOL-1134.

BIOL-1214 General Botany **4 Credits**
MORPHOLOGY, PHYSIOLOGY AND ECOLOGY OF THE SEED PLANTS WITH A BRIEF SURVEY OF THE PLANT KINGDOM. LECTURE, LABORATORY AND FIELD. Required Concurrent: Take BIOL-1214L

BIOL-1214L General Botany Laboratory **0 Credits**
LAB COURSE FOR BIOL-1214.

BIOL-1314 General Zoology **4 Credits**
A SURVEY OF MAJOR PHYLA OF THE ANIMAL KINGDOM, GENERAL MORPHOLOGY, LIFE HISTORIES, AND PRINCIPLES OF ANIMAL SYSTEMATICS. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-1314L

BIOL-1314L General Zoology Laboratory **0 Credits**
LAB COURSE FOR BIOL-1314.

BIOL-2002 Introductory Research Experience **2 Credits**
DESIGNED TO BE AN INTRODUCTION TO RESEARCH IN THE BIOLOGICAL SCIENCES. MUST HAVE PERMISSION FROM RESEARCH MENTOR WITH WHOM STUDENT WILL WORK CLOSELY TO DEVELOP AN INDEPENDENT RESEARCH PROJECT. LABORATORY AND/OR FIELD. Required Previous: BIOL-1114 Must have permission from research mentor.

BIOL-2103 Horticulture **3 Credits**
SURVEY AND PRACTICE OF THE HORTICULTURE DISCIPLINE INCLUDING PLANT GROWTH AND PROPAGATION FOR GREENHOUSE, AGRICULTURAL, LANDSCAPING, THERAPEUTIC AND HOBBYIST PRACTICES THROUGH LECTURE, LABORATORY AND FIELD DELIVERY. Required Previous: BIOL-1114 with a grade C or better.

BIOL-2113 Medical Terminology **3 Credits**
A STUDY OF THE LANGUAGE OF MEDICINE INCLUDING WORD CONSTRUCTION, DEFINITIONS, AND USE OF TERMS RELATED TO ALL AREAS OF MEDICAL SCIENCES, HOSPITAL SERVICES AND THE ALLIED HEALTH SPECIALTIES.

BIOL-2184 Human Anatomy **4 Credits**
AN INTRODUCTORY STUDY OF THE GROSS ANATOMY OF THE HUMAN BODY WITH AN INTRODUCTION TO MICROANATOMY. LABORATORY STUDIES OF THE HUMAN SKELETON, MODELS AND OTHER VISUAL MATERIALS. DISSECTION OF THE CAT WITH REFERENCE TO MAN. LECTURE AND LABORATORY. DEGREE CREDIT NOT ALLOWED IN BOTH 2184 AND 3615. Required Concurrent: Take BIOL-2184L

BIOL-2184L Human Anatomy Laboratory **0 Credits**
LAB COURSE FOR BIOL-2184.

BIOL-2243 Introduction to Biotechnology **3 Credits**
A SURVEY OF THE MOST ACTIVE AREAS IN THE FIELD OF BIOTECHNOLOGY. LECTURES WILL COVER TOPICS SUCH AS DNA MANIPULATION, PROTEIN ENGINEERING, LARGE-SCALE CULTIVATION OF MICROORGANISMS, STEM CELL RESEARCH, VACCINE AND MONOCLONAL ANTIBODY PRODUCTION, MOLECULAR MEDICINE, GENE THERAPY, AND GENETIC ENGINEERING IN PLANTS AND ANIMALS. Required Previous: BIOL-1114 or BIOL-1214 or BIOL-1314

BIOL-2344 General Microbiology **4 Credits**
THE DISTRIBUTION, DISSEMINATION, CLASSIFICATION, AND IDENTIFICATION OF MICROORGANISMS, SPECIAL ATTENTION TO ORGANISMS CAUSING DISEASE AND TO IMMUNITY FROM THESE ORGANISMS. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-2344L

BIOL-2344L General Microbiology Laboratory **0 Credits**
LAB COURSE FOR BIOL-2344.

BIOL-2644 Invertebrate Zoology **4 Credits**
GENERAL INVERTEBRATE ZOOLOGY, INCLUDING MORPHOLOGY, TAXONOMY AND LIFE HISTORIES OF REPRESENTATIVES OF THE INVERTEBRATE GROUPS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-2773 Forensic Biology **3 Credits**
A STUDY OF THE SCIENTIFIC METHOD AND BIOLOGICAL TECHNIQUES THAT ARE USED IN FORENSIC INVESTIGATION (CRIMINALISTICS). LECTURES AND LABORATORY SESSIONS WILL COVER THE METHODS OF FORENSIC INVESTIGATIONS WITH AN EMPHASIS ON THE EXAMINATION OF PHYSICAL EVIDENCE USED IN A COURT OF LAW. SPECIFIC TOPICS INCLUDE COMPARATIVE MICROSCOPY OF HAIR, TEXTILES, BLOOD, AND BULLETS, PROTEIN ANALYSIS USED TO DISTINGUISH AMONG SUSPECTS, ANALYTICAL METHODS USED TO IDENTIFY CERTAIN DRUGS, AND DNA ANALYSIS USED TO IDEN Required Previous: BIOL-1114 OR BIOL-1214 OR BIOL-1314

BIOL-2773L Forensic Biology Laboratory **0 Credits**
LAB COURSE FOR BIOL-2773.

BIOL-2881 Special Studies in Biology (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-2882 Special Studies in Biology (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-2883 Special Studies in Biology (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-2884 Special Studies in Biology (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-3013 Research Methods and Bioethics **3 Credits**
AN EXAMINATION OF THE METHODS AND TECHNIQUES THAT HAVE LED TO SIGNIFICANT DISCOVERIES AND THEMES IN MODERN BIOLOGICAL SCIENCES, RANGING FROM BIODIVERSITY AND EVOLUTION THROUGH CELL BIOLOGY AND GENETICS. TECHNIQUES IN THE CRITICAL EVALUATION OF SCIENTIFIC LITERATURE AND CURRENT ISSUES WILL BE INCLUDED THROUGHOUT THE COURSE, AS WELL AS THE ETHICAL ASPECTS OF DATA COLLECTION AND ANALYSES. CONSIDERATION OF SPECIFIC BIOMEDICAL ETHICS ISSUES WILL BE INCORPORATED INTO CLASS ACTIVITIES. Required Previous: BIOL-1214 or BIOL-1314

BIOL-3023 Animal Nutrition **3 Credits**
THE NUTRIENTS REQUIRED BY ANIMALS, THEIR FUNCTIONS, AND THE INTERRELATIONSHIPS AND THE PROCESSES OF THEIR UTILIZATION. IN ADDITION, FEEDSTUFF COMPOSITION AND THEIR USE IN DIET AND RATION FORMULATION WILL BE COVERED. EMPHASIS WILL BE PLACED ON BOTH RUMINANT AND NON-RUMINANT SPECIES. Required Previous: BIOL-1114

BIOL-3034 Medical Botany **4 Credits**
A SURVEY OF PLANTS AFFECTING HUMAN HEALTH INCLUDING HOW PLANTS WERE HISTORICALLY USED AND ARE CURRENTLY USED, WITH AN EMPHASIS ON BIOLOGICALLY ACTIVE CONSTITUENTS. Required Previous: BIOL-1214 with a grade of C or better.

BIOL-3034L Medical Botony Laboratory **0 Credits**
LAB COURSE FOR BIOL-3034.

BIOL-3111 Peer-To-Peer Laboratory Experience **1 Credit**
INTRODUCES THE STUDENT TO CLASSROOM DYNAMICS THROUGH PEER-TO-PEER EXPERIENCES IN A LABORATORY SETTING. STUDENTS WILL AID IN GENERAL PREPARATION AND COMPLETION OF LABORATORIES THROUGHOUT THE SEMESTER, CRITICALLY EVALUATE PEER LABORATORY HANDOUTS, AND LEAD A LABORATORY DISCUSSION.

BIOL-3134 Field Zoology **4 Credits**
AN INTRODUCTION TO LOCAL ANIMAL LIFE BASED UPON CLASSIFICATION, DISTRIBUTION, AND NATURAL HISTORY OF REPRESENTATIVES OF THE ANIMAL PHYLA OF THIS REGION. LECTURE, LABORATORY, AND FIELD. Required Concurrent: Take BIOL-3134L

BIOL-3134L Field Zoology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3134.

BIOL-3143 Ethnobotany **3 Credits**
A SURVEY OF PLANT USE BY PEOPLE, INCLUDING SUCH TOPICS AS MEDICINAL, SOCIETAL, CULTURAL, AND ECONOMIC USES OF PLANTS FROM PRE-HISTORY TO CURRENT. Required Previous: BIOL-1114 or BIOL-1214

BIOL-3214 Field Ornithology **4 Credits**
AN INTRODUCTION TO AVIAN BIOLOGY WITH EMPHASIS ON FIELD STUDY OF LIFE HISTORY, ECOLOGY, AND ETHOLOGY OF LOCAL BIRDS. LECTURE, LABORATORY AND INDEPENDENT FIELD PROJECTS. Required Previous: BIOL-1314

BIOL-3214L Field Ornithology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3214.

BIOL-3234 General Entomology **4 Credits**
FUNDAMENTAL PRINCIPLES OF INSECT LIFE; CLASSIFICATION, LIFE HISTORIES AND ECONOMIC RELATIONS Required Concurrent: Take BIOL-3234L

BIOL-3234L General Entomology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3034.

BIOL-3245 Comparative Vertebrate Anatomy **5 Credits**
COMPARISON OF ANATOMICAL STRUCTURE IN VERTEBRATE TYPES. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-3245L Comparative Vertebrate Anatomy Laboratory **0 Credits**
LAB COURSE FOR BIOL-3245.

BIOL-3254 Medical Entomology **4 Credits**
A STUDY OF INSECTS AND OTHER ARTHROPODS WITH RELATION TO THEIR IMPORTANCE IN HUMAN MEDICINE. Required Previous: BIOL-1314

BIOL-3254L Medical Entomology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3245.

BIOL-3303 Stream Ecology and Stream Management **3 Credits**
THE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS OF STREAM ECOSYSTEMS WITH AN EMPHASIS ON ANTHROPOGENIC INFLUENCES ON THESE SYSTEMS. A REVIEW OF SELECTED STREAM MANAGEMENT PRACTICES USED TO MITIGATE THESE INFLUENCES THROUGH SELECTED CASE STUDIES OF MAJOR RIVER SYSTEMS FROM AROUND THE WORLD. LECTURE AND FIELD TRIPS TO LOCAL STREAM ECOSYSTEMS. Required Previous: BIOL-1214

BIOL-3314 Mammalogy **4 Credits**
AN INTRODUCTION TO MAMMALIAN BIOLOGY, DIVERSITY, ANATOMY, EVOLUTIONARY HISTORY, SYSTEMATICS, AND ZOOGEOGRAPHY. LABORATORY EXERCISES WILL EMPHASIZE STRUCTURAL ANATOMY AND THE IDENTIFICATION AND NATURAL HISTORY OF OKLAHOMA MAMMALS. Required Previous: BIOL-1314

BIOL-3314L Mammalogy Laboratory **0 Credits**
LAB COURSE FOR BIOL-3314.

BIOL-3324 Herpetology **4 Credits**
AN INTRODUCTION TO THE BIOLOGY OF AMPHIBIANS AND REPTILES INCLUDING ANATOMY, DIVERSITY, EVOLUTIONARY RELATIONSHIPS, PHYSIOLOGY, SYSTEMATICS, AND ZOOGEOGRAPHY. LABORATORY EXERCISES WILL EMPHASIZE STRUCTURAL ANATOMY AND THE IDENTIFICATION AND NATURAL HISTORY OF OKLAHOMA REPTILES AND AMPHIBIANS. Required Previous: BIOL-1314

BIOL-3324L Herpetology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3324.

BIOL-3343 Experimental Molecular Biology **3 Credits**
A STUDY OF THE EXPERIMENTAL APPROACH AND TECHNIQUES USED IN MOLECULAR BIOLOGY. EMPHASIS WILL BE PLACED ON THE EXTRACTION, ISOLATION, AND PURIFICATION OF PROTEINS AND NUCLEIC ACIDS OF BACTERIA, FUNGI, PLANTS, AND ANIMALS. Required Previous: BIOL-1314

BIOL-3434 Genetics **4 Credits**
A STUDY OF BASIC PRINCIPLES IN INHERITANCE INCLUDING MENDELISM AND MOLECULAR MECHANISMS AND RECOMBINANT DNA TECHNOLOGY. LECTURE AND LAB. Required Concurrent: Take BIOL-3434L

BIOL-3434L Genetics Laboratory **0 Credits**
LAB COURSE FOR BIOL-3434.

BIOL-3452 Advanced Genetics **2 Credits**
CONTINUATION OF COURSE 3434. Required Previous: BIOL-3434

BIOL-3514 General Physiology **4 Credits**
INCLUDES A STUDY OF THOSE PHYSIOLOGICAL PHENOMENA COMMON TO ALL LIVING ORGANISMS SUCH AS: OSMOREGULATION, FUNCTIONAL COMPOSITION, OXIDATIVE METABOLISM, METABOLIC CONTROL MECHANISMS, INTERNAL DISTRIBUTION SYSTEMS, NUTRITION, EXCRETION, INTEGRATION, AND BIOELECTRICITY. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-3514L

BIOL-3514L General Physiology Labratory **0 Credits**
LAB COURSE FOR BIOL-3514.

BIOL-3524 Mycology **4 Credits**
A SURVEY OF FUNGI, INCLUDING THEIR EVOLUTION, MORPHOLOGY, AND ONTOGENY WITH MEDICINAL, AGRICULTURAL, AND ECONOMIC APPLICATIONS. WE WILL USE LECTURE, LABORATORY, AND FIELD TECHNIQUES TO EXPLORE THE FUNGAL WORLD. LECTURE, LABORATORY, AND FIELD. Required Concurrent: Take BIOL-3524L

BIOL-3524L Mycology Labratory **0 Credits**
LAB COURSE FOR BIOL-3524. Required Concurrent: Take BIOL-3524

BIOL-3553 Genomics and Bioinformatics **3 Credits**
INTRODUCTION TO THE STUDY AND ANALYSIS OF GENOMES AND THE FUNCTIONS AND RELATIONSHIPS (BROADLY INCLUDING BIOCHEMICAL ACTIVITY AND BIOLOGICAL FUNCTION) OF ALL THE GENES WITHIN A GENOME. TOPICS WILL INCLUDE TECHNIQUES AND METHODS IN GENETICS, GENOME SEQUENCING, SEQUENCE ALIGNMENT, GENE AND PROTEIN ANALYSIS, MICROARRAY ANALYSIS, PROTEOMICS AND DATABASE SEARCHING. Required Previous: BIOL-1214 or BIOL-1314

BIOL-3615 Human Anatomy & Physiology **5 Credits**
AN INTRODUCTION TO THE STRUCTURE AND FUNCTIONS OF THE VARIOUS SYSTEMS OF THE HUMAN BODY INCLUDING A STUDY OF RESPIRATION, DIGESTION, METABOLISM, AND NUTRITION; A STUDY OF THE SPECIAL SENSES, INTERNAL SECRETION, AND MUSCULAR AND NERVOUS SYSTEMS. LECTURE AND LABORATORY. DEGREE CREDIT NOT ALLOWED IN BOTH 3615 AND 3634, OR IN 2184 AND 3615. Required Previous: 4 to 8 hours of Chemistry;Degree credit not allowed in both BIOL-3615 and BIOL-3634 or in BIOL-2184 and BIOL-3615.

BIOL-3623 Biochemistry of Human Diseases **3 Credits**
A SURVEY OF THE BIOCHEMICAL AND MOLECULAR BASIS FOR HUMAN DISEASES. LECTURE TOPICS WILL INCLUDE METABOLIC DISEASES SUCH AS ATHEROSCLEROSIS AND DIABETES, AND THE BIOCHEMISTRY RELATED TO PRION DISEASES, VIROLOGY AND CANCER. Required Previous: BIOL-3434

BIOL-3634 Human Physiology **4 Credits**
FUNCTION OF THE HUMAN BODY, PHYSICAL AND CHEMICAL CHANGES WHICH OCCUR IN LIVING SYSTEMS. LABORATORY STUDIES IN THE PHYSICAL AND CHEMICAL NATURE OF ENERGY CHANGES OCCURRING IN LIVING SYSTEMS, AND THEIR EVALUATION UNDER VARIED CONDITIONS. LECTURE AND LABORATORY. DEGREE CREDIT NOT ALLOWED IN BOTH BIOL-3615 AND 3634. Required Concurrent: Take BIOL-3634L

BIOL-3634L Human Physiology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3634.

BIOL-3654 Histology **4 Credits**
INTRODUCTION TO THE ESSENTIALS OF MICROANATOMY OF TISSUES AND ORGANS. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-3654L Histology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3654.

BIOL-3674 Plant Ecophysiology **4 Credits**
THIS COURSE FOCUSES ON HOW PLANTS COPE WITH ENVIRONMENTAL STRESS THROUGH PHYSIOLOGICAL MECHANISMS AND INTEGRATION. WE WILL USE LECTURE, LAB, AND FIELD TECHNIQUES TO EXPLORE PLANT-ENVIRONMENT INTERACTIONS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1114

BIOL-3674L Plant Ecophysiology Lab **0 Credits**
LAB COURSE FOR BIOL-3674.

BIOL-3683 Immunology **3 Credits**
AN INTRODUCTORY STUDY OF THE PRINCIPLES, MECHANISMS, AND CLINICAL APPLICATIONS OF THE IMMUNE RESPONSE. Required Previous: BIOL-2344

BIOL-3703 Biostatistics **3 Credits**
A STUDY OF STATISTICAL METHODS COMMONLY USED IN ENVIRONMENTAL AND LIFE SCIENCE. TOPICS INCLUDE DESCRIPTIVE AND INFERENTIAL STATISTICS AND OTHER RELATED CALCULATIONS. Required Previous: MATH-1513

BIOL-3712 Foundations of Biology **2 Credits**
A SURVEY BY STUDY OF ORIGINAL SOURCES AND COMPILATIONS OF THE SEQUENCE OF BIOLOGICAL DISCOVERIES AND THE MEN ASSOCIATED WITH THEM, AND OF THE GROWTH OF BIOLOGICAL THEORIES AND THE DEVELOPMENT OF SCIENTIFIC THOUGHT. LECTURE AND LIBRARY.

BIOL-3814 Plant Kingdom **4 Credits**
REPRESENTATIVE PLANTS FROM IMPORTANT GROUPS STUDIED AS TO GENERAL STRUCTURE AND FUNCTION OF EACH PART, METHODS OF REPRODUCTION, THE DEVELOPMENT OF PLANTS FROM THE SIMPLEST TO THE HIGHEST FORMS. LECTURE AND LABORATORY . Required Previous: BIOL-1214

BIOL-3814L Plant Kingdom Laboratory **0 Credits**
LAB COURSE FOR BIOL-3814.

BIOL-3934 Limnology **4 Credits**
INTRODUCTION TO THE STUDY OF FRESHWATER BIOLOGY, PHYSICAL AND CHEMICAL FACTORS, PLANKTON ANALYSIS, BOTTOM FAUNA LAKE AND STREAM MAPPING AND PRODUCTIVITY STUDIES. LECTURE AND LABORATORY. Required Concurrent: Take BIOL-3934L

BIOL-3934L Limnology Laboratory **0 Credits**
LAB COURSE FOR BIOL-3934.

BIOL-4014 Integrated Pest Management **4 Credits**
A SURVEY OF AGRONOMIC PESTS FOCUSING ON INSECTS INCLUDING THEIR BIOLOGY, MORPHOLOGY, IDENTIFICATION AND MANAGEMENT PRACTICES FOR SUSTAINABLE AGRICULTURE, NATURAL RESOURCES, AND URBAN AND RURAL HEALTH AND WELLBEING. THIS IS A FIELD-BASED COURSE. Required Previous: BIOL-3234 with a grade of C or better.

BIOL-4023 Animal Behavior **3 Credits**
AN INTRODUCTION TO THE BIOLOGICAL BASIS OF ANIMAL BEHAVIOR, TOPICS INCLUDE THE DEVELOPMENT, PHYSIOLOGICAL MEDIATION, ADAPTIVE SIGNIFICANCE, AND EVOLUTION OF ANIMAL BEHAVIOR. LECTURE. Required Previous: BIOL-1314

BIOL-4113 Vertebrate Embryology **3 Credits**
OUTLINE OF FACTS AND FACTORS IN EMBRYONIC DEVELOPMENT OF FISHES, AMPHIBIANS, REPTILES, BIRDS AND MAMMALS. Required Previous: BIOL-1314

BIOL-4123 Evolution **3 Credits**
MODERN EVOLUTIONARY THEORY WITH SPECIAL REFERENCE TO RELATED GENETIC MECHANISM. Required Previous: BIOL-1214

BIOL-4144 Natural History of the Vertebrates **4 Credits**
PRINCIPLES OF DISTRIBUTION, CLASSIFICATION, LIFE HISTORIES, ECOLOGY, AND ETHOLOGY OF THE COMMON VERTEBRATES. EMPHASIS GIVEN TO THE TERRESTRIAL FORMS OF LOCAL AREAS. LABORATORY AND FIELD WORK EMPHASIZES COLLECTING TECHNIQUES, IDENTIFICATION AND PREPARATION OF SPECIMENS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-4144L Natural History of the Vertebrates Laboratory **0 Credits**
LAB COURSE FOR BIOL-4144.

BIOL-4214 Taxonomy of Flowering Plants **4 Credits**
IDENTIFICATION AND CLASSIFICATION OF PLANTS, ESPECIALLY OF THE LOCAL FLORA; CONSTRUCTION AND USE OF KEYS AND THE PREPARATION OF AN HERBARIUM. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1214

BIOL-4214L Taxonomy of Flowering Plants Laboratory **0 Credits**
LAB COURSE FOR BIOL-4214.

BIOL-4313 Cell and Molecular Biology **3 Credits**
CYTOLOGY, BIOCHEMISTRY, MOLECULAR REGULATION, AND FUNCTION OF CELLS AND ORGANELLES. EMPHASIS IS ON THE EUCARYOTIC CELL. Required Previous: Twelve hours of Biology

BIOL-4323 Experimental Design in Biological Science **3 Credits**
DESIGN, IMPLEMENTATION AND DATA ANALYSIS USING THE SCIENTIFIC METHOD ON A SPECIFIC TOPIC IN THE BIOLOGICAL SCIENCES. STUDENTS WILL ALSO DEVELOP A RESEARCH PROPOSAL THAT WILL GUIDE INDEPENDENT RESEARCH. LECTURE. Required Previous: BIOL-1214

BIOL-4414 Ecology **4 Credits**
A STUDY OF THE STRUCTURE AND FUNCTION OF THE ECOSYSTEM INCLUDING A SURVEY OF THE AQUATIC AND TERRESTRIAL HABITATS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-4414L Ecology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4414.

BIOL-4473 Nature Study **3 Credits**
COMMON NAMES, NATURAL HISTORIES, AND INTERRELATIONSHIPS OF LOCAL FLORA AND FAUNA; SURVEY OF HABITAT TYPES, COLLECTIONS, AND NATURE PROJECTS. PROBLEMS OF CONSERVATION OF WILDLIFE. LECTURE AND FIELD LABORATORY. THIS COURSE IS NOT APPLICABLE ON MAJOR OR MINOR IN BIOLOGY.

BIOL-4514 Environmental Biology **4 Credits**
A STUDY OF THE BIOLOGY OF ENVIRONMENTAL PROBLEMS AND HUMAN RELATIONSHIPS TO THE ENVIRONMENT, INCLUDING AIR, WATER, LAND, AND OTHER ORGANISMS. LECTURE AND LABORATORY. Required Previous: BIOL-1114 or equivalent

BIOL-4534 Wildlife Management **4 Credits**
THE APPLICATION OF SCIENTIFIC PRINCIPLES TO THE ECOLOGICAL PROBLEMS ASSOCIATED WITH THE MANAGEMENT OF WILDLIFE POPULATIONS AND THEIR HABITATS. LECTURE AND LABORATORY. Required Previous: BIOL-1214 or BIOL-1314

BIOL-4534L Wildlife Management Laboratory **0 Credits**
LAB COURSE FOR BIOL-4534.

BIOL-4545 Advanced Molecular Biology **5 Credits**
AN IN-DEPTH INVESTIGATION OF SPECIFIC ENZYMES AND REAGENTS THAT MODIFY NUCLEIC ACIDS BOTH IN VIVO AND IN VITRO. THE THEORY BEHIND BIOCHEMICAL ACTIVITY, OPTIMAL REACTION CONDITIONS AND PRACTICAL APPLICATIONS IN BIOENGINEERING WILL BE EXPLORED IN BOTH LECTURE AND LABORATORY. THE PRACTICAL PORTION OF THE COURSE WILL BE PROJECT DRIVEN AND WILL INCORPORATE ANALYSES OF THE CURRENT SCIENTIFIC LITERATURE. Required Previous: BIOL-2344

BIOL-4545L Advanced Molecular Biology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4545.

BIOL-4553 Pathogenic Microbiology **3 Credits**
THE COURSE WILL FOCUS UPON BACTERIAL, FUNGAL, AND VIRAL DISEASES. IT WILL PRIMARILY COVER HUMAN DISEASES AND AGRICULTURALLY IMPORTANT DISEASES IN CROPS AND LIVESTOCK. ROUTES OF INFECTION SUCH AS AIR BORNE, WATER BORNE, FOOD BORNE, SOIL BORNE, ARTHROPOD BORNE, AND SEXUAL CONTACT WILL BE INVESTIGATED. CHARACTERISTICS OF INFECTIVE ORGANISMS AND THEIR MECHANISMS OF INFECTION IN DIFFERENT ORGANISMS WILL BE INCLUDED IN THE DISCUSSION. Required Previous: BIOL-1214 or BIOL-1314

BIOL-4614 Animal Parasitology **4 Credits**
MORPHOLOGY, LIFE HISTORY, AND CLASSIFICATION OF THE MORE IMPORTANT PARASITES OF ANIMALS; HOST-PARASITE RELATIONSHIP AND METHODS OF CONTROL. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-4614L Animal Parasitology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4614.

BIOL-4713 Methods of Teaching Secondary Biological Science **3 Credits**
PHILOSOPHY, METHODOLOGY AND RESOURCES FOR TEACHING HIGH SCHOOL BIOLOGY. Required Previous: Twelve hours for Biology

BIOL-4763 Biochemical Genetics **3 Credits**
A STUDY OF THE MOLECULAR MECHANISMS CONTROLLING GENE REGULATION IN VIRUSES, PROKARYOTES AND EUKARYOTES. TOPICS WILL INCLUDE GENETIC ENGINEERING, MOLECULAR GENETICS, AND BIOCHEMISTRY OF MACROMOLECULAR INTERACTIONS. Required Previous: BIOL-1214 or BIOL-1314

BIOL-4883 Biology Senior Seminar **3 Credits**
DIRECTED STUDY ON BIOLOGICAL ACTIVITIES RELATED TO SENIOR LEVEL ASSESSMENT. (THIS COURSE SHOULD BE TAKEN DURING THE SEMESTER PRIOR TO GRADUATION.)

BIOL-4924 Advanced Research Experience **4 Credits**
A CONTINUATION OF THE RESEARCH EXPERIENCE. MUST HAVE PERMISSION FROM RESEARCH MENTOR WITH WHOM THE STUDENT WILL WORK CLOSELY TO DEVELOP AN INDEPENDENT RESEARCH PROJECT, FOSTERING SKILLS NECESSARY FOR CAREERS IN LABORATORY, FIELD, AND OTHER RESEARCH ORIENTED FIELDS. LABORATORY AND/OR FIELD. Required Previous: BIOL-2002 Must have permission from research mentor.

BIOL-4981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4982 Seminar in Biology (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4983 Seminar in Biology (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4984 Seminar in Biology (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4991 Individual Study in Biology (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4992 Individual Study in Biology (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4993 Individual Study in Biology (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-4994 Individual Study in Biology (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-5013 Experimental Design and Data Analysis **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF EXPERIMENTAL DESIGN TECHNIQUES, CRITICAL THINKING AND ANALYSIS. EMPHASIS WILL BE ON COMMUNICATION OF SCIENTIFIC REASONING, LOGIC, RATIONALE, HYPOTHESIS AND ANALYSIS.

BIOL-5021 Thesis II **1 Credit**
COURSE IS DESIGNED FOR STUDENTS CREATING A RESEARCH THESIS. MAY BE REPEATED FOR CREDIT. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5022 Thesis II **1 Credit**
COURSE IS DESIGNED FOR STUDENTS CREATING A RESEARCH THESIS. MAY BE REPEATED FOR CREDIT. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5023 Thesis II **3 Credits**
COURSE IS DESIGNED FOR STUDENTS CREATING A RESEARCH THESIS. MAY BE REPEATED FOR CREDIT. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5133 Special Topics in Evolution **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE MODERN THEORY AND MECHANISMS OF EVOLUTION. EMPHASIS ON THE IMPORTANCE OF EVOLUTION AS A UNIFYING CONCEPT TO THE FIELD OF BIOLOGY.

BIOL-5144 Freshwater Invertebrate Zoology **4 Credits**
IDENTIFICATION AND ECOLOGY OF FRESH WATER INVERTEBRATES. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-2644

BIOL-5223 Grant, Science Writing & Communications **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF RESEARCH CONCEPTUALIZATION FOLLOWED BY WRITTEN AND ORAL COMMUNICATIONS. THE COURSE WILL PROVIDE EXPOSURE TO AVAILABLE TOOLS AND RESOURCES TO GUIDE CONVERSION OF RESEARCH QUESTIONS INTO GRANT PROPOSALS. STUDENTS WILL LEARN TO REPORT THE RESULTS OF THEIR OWN RESEARCH IN THE FORMAT OF A JOURNAL ARTICLE, CONFERENCE-STYLE PRESENTATION, AND POSTER.

BIOL-5245 Advanced Comparative Vertebrate Anatomy **5 Credits**
COMPARATIVE MORPHOLOGY OF REPRESENTATIVE VERTEBRATES WITH EMPHASIS ON PHYLOGENY AND ONTOGENY AND CONSIDERATION OF HISTOLOGY AND FUNCTION. LECTURE AND LABORATORY.

BIOL-5245L Advanced Comparative Vertebrate Anatomy Lab **0 Credits**
LAB COURSE FOR BIOL-5245.

BIOL-5254 Special Topics in Medical Entomology **4 Credits**
COMPARATIVE MORPHOLOGY OF REPRESENTATIVE VERTEBRATES WITH EMPHASIS ON PHYLOGENY AND ONTOGENY AND CONSIDERATION OF HISTOLOGY AND FUNCTION. LECTURE AND LABORATORY.

BIOL-5254L Special Topics in Medical Entomology Lab **0 Credits**
LAB COURSE FOR BIOL-5254.

BIOL-5313 Microbiology and Man **3 Credits**
A SURVEY OF THE MICROORGANISMS, THEIR FORM, FUNCTION, AND IMPORTANCE IN PERSONAL AND COMMUNITY HEALTH AND ECOLOGY. THIS COURSE DESIGNED PRIMARILY AS GENERAL EDUCATION FOR GRADUATE STUDENTS.

BIOL-5323 Advanced Cell and Molecular Biology **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF CYTOLOGY, BIOCHEMISTRY, MOLECULAR REGULATION, AND FUNCTION OF CELLS AND ORGANELLES. EMPHASIS IS ON THE EUKARYOTIC CELL.

BIOL-5324 Advanced Topics in Herpetology **4 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF RECENT TOPICS IN HERPETOLOGICAL LITERATURE. THIS KNOWLEDGE TO BE ACQUIRED BY JOURNAL ARTICLES READ AND DISCUSSED, WITH WRITTEN REPORTS ON THREE ARTICLES. LECTURE AND LABORATORY.

BIOL-5324L Advanced Topics in Herpetology Lab **0 Credits**
LAB COURSE FOR BIOL-5324.

BIOL-5405 Advanced Techniques in Biotechnology **5 Credits**
GRADUATE COURSE AND LABORATORY TO PROVIDE AN ADVANCED UNDERSTANDING OF BIOTECHNOLOGICAL TECHNIQUES SUCH AS PROTEIN ENGINEERING, DIRECTED EVOLUTION, HIGH-THROUGHPUT SCREENING TECHNIQUES, CELL CULTURING TECHNIQUES, CLONING AND LIBRARY CONSTRUCTION, DIAGNOSTICS, VACCINOLOGY AND CREATING A BIOTECHNOLOGY ENTERPRISE.

BIOL-5405L Advanced Techniques in Biotechnology Lab **0 Credits**
LAB COURSE FOR BIOL-5405.

BIOL-5413 Common Plants of Oklahoma **3 Credits**
PLANT GROUPS OF GENERAL INTEREST TO THE LAYMAN, INCLUDING STUDY OF BASIC CHARACTERISTICS OF PLANT FAMILIES AND ENVIRONMENTAL FACTORS WHICH TEND TO LIMIT THEIR DISTRIBUTION TO CERTAIN PLANT COMMUNITIES. THIS COURSE IS DESIGNED PRIMARILY AS GENERAL EDUCATION FOR GRADUATES STUDENTS. LECTURE, LABORATORY, AND FIELD.

BIOL-5414 Advanced Topics in Ecology **4 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE ECOSYSTEM INCLUDING A SURVEY OF AQUATIC AND TERRESTRIAL SYSTEMS. LECTURE, LAB AND FIELD STUDY.

BIOL-5414L Advanced Topics in Ecology Lab **0 Credits**
LAB COURSE FOR BIOL-5414.

BIOL-5424 Advanced Ethnobotany **4 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF PLANT USE BY PEOPLE, INCLUDING SUCH TOPICS AS MEDICINAL, SOCIETAL, CULTURAL, AND ECONOMIC USES OF PLANTS FROM PRE-HISTORY TO CURRENT. LECTURE AND LABORATORY.

BIOL-5424L Advanced Ethnobotany Lab **0 Credits**
LAB COURSE FOR BIOL-5424.

BIOL-5433 Human Genetics **3 Credits**
A STUDY OF THE BASIC PRINCIPLES OF HUMAN GENETICS AND RELATED BIOLOGICAL PROBLEMS IMPORTANT TO OUR SOCIETY.

BIOL-5525 Advanced Plant Ecophysiology **5 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF HOW PLANTS COPE WITH ENVIRONMENTAL STRESS THROUGH PHYSIOLOGICAL MECHANISMS AND INTEGRATION. WE WILL USE LECTURE, LAB AND FIELD TECHNIQUES TO EXPLORE PLANT-ENVIRONMENT INTERACTIONS. (THIS IS A FIELD COURSE.)

BIOL-5525L Advanced Plant Ecophysiology Lab **0 Credits**
LAB COURSE FOR BIOL-5525.

BIOL-5535 Advanced Plant Ecology **5 Credits**
GRADUATE COURSE THAT EXPLORES TOPICS SUCH AS PLANT LIFE HISTORY TRAITS, DEMOGRAPHY, AND ABIOTIC AND BIOTIC INTERACTIONS. WE WILL USE LECTURE, DISCUSSION, LAB AND FIELD TECHNIQUES TO EXPLORE THE ECOLOGY OF PLANTS. (THIS IS A FIELD COURSE.)

BIOL-5535L Advanced Plant Ecology Lab **0 Credits**
LAB COURSE FOR BIOL-5535.

BIOL-5545 Advanced Molecular Biology **5 Credits**
GRADUATE COURSE TO PROVIDE AN IN-DEPTH INVESTIGATION OF SPECIFIC ENZYMES AND REAGENTS THAT MODIFY NUCLEIC ACIDS BOTH IN VIVO AND IN VITRO. THE THEORY BEHIND BIOCHEMICAL ACTIVITY, OPTIMAL REACTION CONDITIONS AND PRACTICAL APPLICATIONS IN BIOENGINEERING WILL BE EXPLORED IN BOTH LECTURE AND LABORATORY. THE PRACTICAL PORTION OF THE COURSE WILL BE PROJECT DRIVEN AND WILL INCORPORATE ANALYSES OF THE CURRENT SCIENTIFIC LITERATURE.

BIOL-5545L Advanced Molecular Biology Lab **0 Credits**
LAB COURSE FOR BIOL-5545.

BIOL-5554 Genomics and Bioinformatics **4 Credits**
ADVANCED STUDY AND ANALYSES OF GENOMES OF ALL THE GENES WITHIN A GENOME AND GENOMIC TECHNOLOGIES. TOPICS WILL INCLUDE TECHNIQUES AND METHODS IN GENETICS, GENOME SEQUENCING, METAGENOMICS, SEQUENCE ALIGNMENT, GENE AND PROTEIN ANALYSIS, -SEQ ANALYSIS, GWAS, MICROARRAY ANALYSIS, PROTEOMICS, DATABASE SEARCHING AND UNIQUE GENE ANNOTATION. LECTURE AND LABORATORY.

BIOL-5554L Genomics and Bioinformatics Lab **0 Credits**
LAB COURSE FOR BIOL-5554.

BIOL-5563 Pathogenic Microbiology **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF BACTERIAL, FUNGAL, AND VIRAL DISEASES. IT WILL PRIMARILY COVER HUMAN DISEASES AND AGRICULTURALLY IMPORTANT DISEASES IN CROPS AND LIVESTOCK. ROUTES OF INFECTION SUCH AS AIR BORNE, WATER BORNE, FOOD BORNE, SOIL BORNE, ARTHROPOD BORNE, AND SEXUAL CONTACT WILL BE INVESTIGATED. CHARACTERISTICS OF INFECTIVE ORGANISMS AND THEIR MECHANISMS OF INFECTION IN DIFFERENT ORGANISMS WILL BE INCLUDED IN THE DISCUSSION.

BIOL-5623 Medical Biochemistry **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE BIOCHEMICAL AND MOLECULAR BASIS FOR HUMAN DISEASES. LECTURE TOPICS WILL INCLUDE METABOLIC DISEASES SUCH AS ATHEROSCLEROSIS AND DIABETES, AND THE BIOCHEMISTRY RELATED TO PRION DISEASES, VIROLOGY AND CANCER. EMPHASIS ON THE MUTATIONAL MECHANISMS LEADING TO DISEASE, MODELING DISEASE AND PERSONALIZED MOLECULAR TREATMENT OPTIONS INCLUDING GENOME EDITING.

BIOL-5654 Histopathology **4 Credits**
THE STUDY OF THE MICROANATOMY OF TISSUES AND ORGANS. AN INTRODUCTION TO MICROPHYSIOLOGY AND PATHOHISTOLOGY. LECTURE AND LABORATORY.

BIOL-5654L Histopathology Lab **0 Credits**
LAB COURSE FOR BIOL-5654.

BIOL-5683 Advanced Immunology **3 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE PRINCIPLES, MECHANISMS, AND CLINICAL APPLICATIONS OF THE IMMUNE RESPONSE.

BIOL-5691 Thesis **1 Credit**
ECUGRAD: VARIABLE CREDIT ONE TO THREE HOURS. MAY BE REPEATED FOR CREDIT; MAXIMUM CREDIT FOR NON-THESIS TRACK THREE HOURS; FOR THESIS TRACK SIX HOURS. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5691L Thesis Lab **0 Credits**
LAB COURSE FOR BIOL-5691.

BIOL-5692 Thesis **2 Credits**
ECUGRAD: VARIABLE CREDIT ONE TO THREE HOURS. MAY BE REPEATED FOR CREDIT; MAXIMUM CREDIT FOR NON-THESIS TRACK THREE HOURS; FOR THESIS TRACK SIX HOURS. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5692L Thesis Lab **0 Credits**
LAB COURSE FOR BIOL-5692.

BIOL-5693 Thesis **3 Credits**
ECUGRAD: VARIABLE CREDIT ONE TO THREE HOURS. MAY BE REPEATED FOR CREDIT; MAXIMUM CREDIT FOR NON-THESIS TRACK THREE HOURS; FOR THESIS TRACK SIX HOURS. STUDENTS WILL SELECT A THESIS COMMITTEE, CREATE A RESEARCH TOPIC, FORMULATE A PROPOSAL AND BIBLIOGRAPHY APPROVED BY THEIR COMMITTEE AND PERFORM RESEARCH ON THEIR TOPIC.

BIOL-5693L Thesis Lab **0 Credits**
LAB COURSE FOR BIOL-5693.

BIOL-5703 Advanced Biostatistics **3 Credits**
ADVANCED STUDY OF STATISTICAL METHODS COMMONLY USED IN ENVIRONMENTAL AND LIFE SCIENCE. TOPICS INCLUDE DESCRIPTIVE AND INFERENTIAL STATISTICS AND OTHER RELATED CALCULATIONS. CREDIT CANNOT BE APPLIED FROM BOTH EHS5703 AND BIOL5703.

BIOL-5713 Teaching in the Sciences **3 Credits**
SUPERVISED TEACHING AND CURRICULUM DEVELOPMENT WITHIN THE BIOLOGICAL SCIENCES FIELD. INTRODUCES GRADUATE STUDENTS TO A FULL RANGE OF TEACHING ROLES AND RESPONSIBILITIES RELATED TO INSTRUCTIONAL METHODS. SUPERVISED TEACHING AND CURRICULUM DEVELOPMENT WITHIN THE BIOLOGICAL SCIENCES FIELD. INTRODUCES GRADUATE STUDENTS TO A FULL RANGE OF TEACHING ROLES AND RESPONSIBILITIES RELATED TO INSTRUCTIONAL METHODS.

BIOL-5773 Graduate Examination **3 Credits**
IN COORDINATION WITH INSTRUCTOR, STUDENT WILL PREPARE AND SUCCESSFULLY COMPLETE GRADUATE EXAMINATION RELATED TO PLAN OF STUDY WITH WRITTEN EVALUATION FOR NON-THESIS TRACK AND ORAL EXAMINATIONS FOR THESIS TRACK GRADUATE STUDENTS. EXAMS COMPREHENSIVELY ASSESS FOR GRADUATE LEVEL ORGANIZED, LOGICAL AND CRITICAL THINKING SKILLS IN THE STUDENT TRACK TOPIC AREA.

BIOL-5935 Advanced Limnology **5 Credits**
GRADUATE COURSE TO PROVIDE AN UNDERSTANDING OF THE BASIC PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS OF FRESHWATER ECOSYSTEMS. EXPOSURE TO STANDARD FIELD SAMPLING AND DATA-COLLECTION PROCEDURES, AND THE ANALYSIS AND INTERPRETATION OF DATA FROM FRESHWATER ECOSYSTEMS. LECTURE AND LABORATORY AND FIELD WORK.

BIOL-5935L Advanced Limnology Lab **0 Credits**
LAB COURSE FOR BIOL-5935.

BIOL-5981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5982 Seminar in Biology (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5983 Seminar in Biology (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5984 Seminar in Biology (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

BIOL-5991 Individual Studies in Biology (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-5992 Individual Studies in Biology (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-5993 Individual Studies in Biology (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-5994 Individual Studies in Biology (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 hours of Biology

BIOL-H1114L Honors-General Biology Laboratory 0 Credits
LAB COURSE FOR BIOL-H114.

BIOL-H2344 Honors-General Microbiology 4 Credits
THE DISTRIBUTION, DISSEMINATION, CLASSIFICATION, AND IDENTIFICATION OF MICROORGANISMS, SPECIAL ATTENTION TO ORGANISMS CAUSING DISEASE AND TO IMMUNITY FROM THESE ORGANISMS. LECTURE AND LABORATORY. Required Previous: BIOL-1114

BIOL-H2345 Honors-General Microbiology 5 Credits
THE DISTRIBUTION, DISSEMINATION, CLASSIFICATION, AND IDENTIFICATION OF MICROORGANISMS, SPECIAL ATTENTION TO ORGANISMS CAUSING DISEASE AND TO IMMUNITY FROM THESE ORGANISMS. LECTURE AND LABORATORY.

BIOL-H2345L Honors-General Microbiology Laboratory 0 Credits
LAB COURSE FOR BIOL-H2345.

BIOL-H3134 Honors-Field Zoology 4 Credits
AN INTRODUCTION TO LOCAL ANIMAL LIFE BASED UPON CLASSIFICATION, DISTRIBUTION, AND NATURAL HISTORY OF REPRESENTATIVES OF THE ANIMAL PHYLA OF THIS REGION. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-H3245 Honors-Comparative Vertebrate Anatomy 5 Credits
COMPARISON OF ANATOMICAL STRUCTURE IN VERTEBRATE TYPES. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-H3343 Honors-Experimental Molecular Biology 3 Credits
A STUDY OF THE EXPERIMENTAL APPROACH AND TECHNIQUES USED IN MOLECULAR BIOLOGY. EMPHASIS WILL BE PLACED ON THE EXTRACTION, ISOLATION, AND PURIFICATION OF PROTEINS AND NUCLEIC ACIDS OF BACTERIA, FUNGI, PLANTS, AND ANIMALS. Required Previous: BIOL-1314

BIOL-H3434 Honors-Genetics 4 Credits
A STUDY OF BASIC PRINCIPLES IN INHERITANCE INCLUDING MENDELISM AND MOLECULAR MECHANISMS AND RECOMBINANT DNA TECHNOLOGY. LECTURE AND LAB. Required Previous: BIOL-1214

BIOL-H3434L Honors-Genetics Laboratory 0 Credits
LAB COURSE FOR BIOL-3434.

BIOL-H3553 HONORS-Genomics and Bioinformatics 3 Credits
INTRODUCTION TO THE STUDY AND ANALYSIS OF GENOMES AND THE FUNCTIONS AND RELATIONSHIPS (BROADLY INCLUDING BIOCHEMICAL ACTIVITY AND BIOLOGICAL FUNCTION) OF ALL THE GENES WITHIN A GENOME. TOPICS WILL INCLUDE TECHNIQUES AND METHODS IN GENETICS, GENOME SEQUENCING, SEQUENCE ALIGNMENT, GENE AND PROTEIN ANALYSIS, MICROARRAY ANALYSIS, PROTEOMICS AND DATABASE SEARCHING. Required Previous: BIOL-1214 or BIOL-1314

BIOL-H3634 Honors-Human Physiology 4 Credits
FUNCTION OF THE HUMAN BODY, PHYSICAL AND CHEMICAL CHANGES WHICH OCCUR IN LIVING SYSTEMS. LABORATORY STUDIES IN THE PHYSICAL AND CHEMICAL NATURE OF ENERGY CHANGES OCCURRING IN LIVING SYSTEMS, AND THEIR EVALUATION UNDER VARIED CONDITIONS. LECTURE AND LABORATORY. Required Previous: BIOL-2184 OR BIOL-2344 OR BIOL-3245; Degree credit not allowed in both BIOL 3615 and 3634.

BIOL-H3634L Honors-Human Physiology Laboratory 0 Credits
LAB COURSE FOR BIOL-3634.

BIOL-H3654 Honors-Histology 4 Credits
INTRODUCTION TO THE ESSENTIALS OF MICROANATOMY OF TISSUES AND ORGANS. LECTURE AND LABORATORY. Required Previous: BIOL-1314

BIOL-H3654L Honors-Histology Laboratory **0 Credits**
LAB COURSE FOR BIOL-H3654.

BIOL-H3683 Honors-Immunology **3 Credits**
AN INTRODUCTORY STUDY OF THE PRINCIPLES, MECHANISMS, AND CLINICAL APPLICATIONS OF THE IMMUNE RESPONSE. Required Previous: BIOL-2344

BIOL-H3934 Honors-Limnology **4 Credits**
INTRODUCTION TO THE STUDY OF FRESHWATER BIOLOGY, PHYSICAL AND CHEMICAL FACTORS, PLANKTON ANALYSIS, BOTTOM FAUNA LAKE AND STREAM MAPPING AND PRODUCTIVITY STUDIES. LECTURE AND LABORATORY. Required Previous: BIOL-1214

BIOL-H4113 Honors-Vertebrate Embryology **3 Credits**
OUTLINE OF FACTS AND FACTORS IN EMBRYONIC DEVELOPMENT OF FISHES, AMPHIBIANS, REPTILES, BIRDS AND MAMMALS. Required Previous: BIOL-1314

BIOL-H4214 Honors-Taxonomy of Flowering Plants **4 Credits**
IDENTIFICATION AND CLASSIFICATION OF PLANTS, ESPECIALLY OF THE LOCAL FLORA, CONSTRUCTION AND USE OF KEYS AND THE PREPARATION OF AN HERBARIUM. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1214

BIOL-H4214L Honors-Taxonomy of Flowering Plants Laboratory **0 Credits**
LAB COURSE FOR BIOL-H4214.

BIOL-H4313 Honors-Cell and Molecular Biology **3 Credits**
CYTOLOGY, BIOCHEMISTRY, MOLECULAR REGULATION, AND FUNCTION OF CELLS AND ORGANELLES. EMPHASIS IS ON THE EUKARYOTIC CELL. Required Previous: Twelve hours of Biology

BIOL-H4414 Honors-Ecology **4 Credits**
A STUDY OF THE STRUCTURE AND FUNCTION OF THE ECOSYSTEM INCLUDING A SURVEY OF THE AQUATIC AND TERRESTRIAL HABITATS. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-H4414L Honors-Ecology Laboratory **0 Credits**
LAB COURSE FOR BIOL-4414.

BIOL-H4534 Honors-Wildlife Management **4 Credits**
THE APPLICATION OF SCIENTIFIC PRINCIPLES TO THE ECOLOGICAL PROBLEMS ASSOCIATED WITH THE MANAGEMENT OF WILDLIFE POPULATIONS AND THEIR HABITATS. LECTURE AND LABORATORY. Required Previous: BIOL-1214 or BIOL-1314

BIOL-H4614 Honors-Animal Parasitology **4 Credits**
MORPHOLOGY, LIFE HISTORY, AND CLASSIFICATION OF THE MORE IMPORTANT PARASITES OF ANIMALS, HOST-PARASITE RELATIONSHIP AND METHODS OF CONTROL. LECTURE, LABORATORY, AND FIELD. Required Previous: BIOL-1314

BIOL-H4765 Honors-Molecular Genetics **5 Credits**
A STUDY OF THE MOLECULAR MECHANISMS CONTROLLING GENE REGULATION AND DEVELOPMENT IN PROKARYOTIC AND EUKARYOTIC ORGANISMS. TECHNIQUES IN GENETIC ENGINEERING AND GENOMICS WILL BE INCLUDED IN BOTH LECTURE AND LABORATORY SESSIONS. SPECIAL TOPICS SUCH AS MOLECULAR GENETICS OF THE CELL CYCLE AND OF CANCER WILL BE COVERED.

BIOL-H4881 Honors-Biology Senior Seminar **1 Credit**
DIRECTED STUDY ON BIOLOGICAL ACTIVITIES RELATED TO SENIOR LEVEL ASSESSMENT. (THIS COURSE SHOULD BE TAKEN DURING THE SEMESTER PRIOR TO GRADUATION.)

BIOL-H4983 Honors-Seminar in Biology (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4991 Honors-Individual Studies in Biology (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4992 Honors-Individual Studies in Biology (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4993 Honors-Individual Studies in Biology (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-H4994 Honors-Individual Studies in Biology (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-S4981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BIOL-S5981 Seminar in Biology (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(BSEC)

BSEC-2603 Business and Economic Statistics **3 Credits**
SUMMARIZING AND ANALYZING DATA FOR PRACTICAL USE IN SOLVING COMMONLY ENCOUNTERED ANALYTICAL PROBLEMS IN ACCOUNTING, BUSINESS OR ECONOMICS. COMPUTERIZED SOLUTION METHODS EMPHASIZED. STUDENTS PLANNING TO ENTER GRADUATE SCHOOL FOLLOWING GRADUATION ARE STRONGLY ADVISED TO TAKE MATH 1223, IN LIEU OF BSEC 2603. Required Previous: MATH-1513, MATH-1613 or MATH-2613 with a grade of C or higher or departmental approval.

BSEC-3103 Foundations of Data Analytics **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE FUNDAMENTAL CONCEPTS OF DATA ANALYTICS FOR DECISION-MAKING IN BUSINESS. STUDENTS WILL EXPLORE THE CAPABILITIES AND CHALLENGES OF DATA-DRIVEN BUSINESS DECISION-MAKING. THE COURSE WILL INCLUDE HANDS-ON WORK WITH DATA AND SOFTWARE. TOPICS TO BE COVERED INCLUDE DATA PREPARATION AND MANIPULATION, DESCRIPTIVE, PREDICTIVE, AND PRESCRIPTIVE ANALYTICS, DECISIONS UNDER UNCERTAINTY, AND DECISION ANALYTICS TOOLS (CLUSTER ANALYSIS, CLASSIFICATION, AND LINEAR REGRESSION) Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

BSEC-4003 Advanced Data Analytics **3 Credits**
STUDENTS WILL APPLY ANALYTICS TOOLS AND APPLICATIONS TO SOLVE REAL-LIFE BUSINESS PROBLEMS. IN ADDITION TO BASIC ANALYTICS TOOLS SUCH AS DESCRIPTIVE STATISTICS, DATA VISUALIZATION, CLUSTERING, AND CLASSIFICATION, STUDENTS WILL LEARN BASIC MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE TECHNIQUES. MULTI-VARIATE REGRESSION ANALYSIS, LOGISTIC REGRESSION, ANALYSIS OF VARIANCE (ANOVA AND MANOVA), TIME SERIES MODELS, AND ANALYSIS OF CATEGORICAL VARIABLES WILL BE DISCUSSED. STUDENTS WILL BE INTRODUCED TO Required Previous: BSEC-3103 or departmental approval

BSEC-5203 Data Analytics **3 Credits**
THIS COURSE PROVIDES MBA STUDENTS WITH FOUNDATIONAL SKILLS IN DATA ANALYTICS, FOCUSING ON APPLYING ANALYTICAL METHODS TO SOLVE REAL-WORLD BUSINESS CHALLENGES. THROUGH HANDS-ON PRACTICE WITH DATA COLLECTION, ANALYSIS, VISUALIZATION, AND INTERPRETATION, STUDENTS WILL LEARN TO MAKE DATA-DRIVEN DECISIONS, ENHANCING STRATEGIC INSIGHTS ACROSS VARIOUS BUSINESS FUNCTIONS. Required Previous: BSEC-2603

(BUCOM)

BUCOM-2013 Professional Speaking **3 Credits**
THIS COURSE EMPHASIZES PROFESSIONAL SPEAKING AND PRESENTATION SKILLS USED IN BUSINESS AND ORGANIZATIONAL SETTINGS. STUDENTS LEARN TO PLAN, ORGANIZE, AND DELIVER EFFECTIVE ORAL PRESENTATIONS THROUGH AUDIENCE ANALYSIS, CLEAR STRUCTURE, PERSUASIVE TECHNIQUES, AND THE USE OF APPROPRIATE VISUAL AIDS. THE COURSE INCLUDES INDIVIDUAL AND GROUP PRESENTATIONS DESIGNED TO BUILD CONFIDENCE AND EFFECTIVENESS IN PROFESSIONAL COMMUNICATION CONTEXTS.

BUCOM-3133 Written Business Communication **3 Credits**
THIS COURSE EMPHASIZES PROFESSIONAL BUSINESS WRITING, INCLUDING EFFECTIVE CORRESPONDENCE, REPORTS, AND PROPOSALS. STUDENTS ANALYZE BUSINESS PROBLEMS, COLLECT AND ORGANIZE DATA, AND APPLY ANALYTICAL AND INTERPRETIVE TECHNIQUES TO PRODUCE CLEAR, WELL-STRUCTURED BUSINESS DOCUMENTS. ATTENTION IS GIVEN TO DOCUMENT DESIGN, GRAPHIC AIDS, AND THE PREPARATION OF FORMAL WRITTEN REPORTS AND PROPOSALS. Required Previous: BUCOM-2013

(BUS)

BUS-1113 Foundations of Business **3 Credits**
THE COURSE COMBINES AND LINKS PRIMARY FIELDS OF BUSINESS STUDY-MANAGEMENT, MARKETING, FINANCE, ACCOUNTING, AND ECONOMICS-TO OFFER STUDENTS AN INTEGRATIVE PERSPECTIVE OF MODERN BUSINESS IN AN ENVIRONMENT OF DIVERSITY AND GLOBALIZATION. IN ADDITION, THE COURSE WILL EXPLORE THE VARIOUS DEGREE AND CERTIFICATE OPTIONS OFFERED IN THE STONECIPHER SCHOOL OF BUSINESS (SSB), AS WELL AS CAREER OPPORTUNITIES IN BUSINESS, AND TEACH STUDENTS STUDY AND TEST TAKING SKILLS, TIME MANAGEMENT, SSB WRITING STYLES, A

BUS-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

BUS-4103 Global Business **3 Credits**
AN UNDERSTANDING OF GLOBAL BUSINESS INCLUDING ITS IMPORTANCE IN TODAY'S WORLD, THE EVOLUTION OF INTERNATIONAL INSTITUTIONS AND THE MONETARY SYSTEM, THE DIFFERENCES AND SIMILARITIES AMONG NATIONS AND CULTURES, AND THE SPECIAL CHARACTERISTICS OF THE BUSINESS FUNCTIONS IN A GLOBAL SETTING. Required Previous: MGMT-3013 or departmental approval.

BUS-4123 Quality Assurance and Management **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE CORE PRINCIPLES OF QUALITY MANAGEMENT AND CONTROL, TRACING THE HISTORY AND DEVELOPMENT OF MODERN QUALITY ASSURANCE PRACTICES. STUDENTS WILL BUILD FAMILIARITY WITH THE LANGUAGE OF THE QUALITY PROFESSION AND GAIN HANDS-ON EXPOSURE TO THE TOOLS USED BY QUALITY PRACTITIONERS. THE COURSE EXAMINES INTERNATIONAL QUALITY STANDARDS SUCH AS THE ISO STANDARDS AND THE BALDRIGE NATIONAL QUALITY PROGRAM AS RECOGNIZED FRAMEWORKS FOR ACHIEVING AND SUSTAINING QUALITY AND PR Required Previous: BSEC-2603 or departmental approval.

BUS-4213 Business Ethics **3 Credits**
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213.

BUS-4303 Business Strategy and Policy **3 Credits**
AN INTEGRATED APPROACH TO THE FORMULATION AND IMPLEMENTATION OF CORPORATE STRATEGY EMPHASIZING KNOWLEGDE GAINED IN EARLIER ACCOUNTING AND BUSINESS ADMINISTRATION COURSES. COURSE TO BE TAKEN LAST SEMESTER OF SENIOR YEAR. Required Previous: BUCOM-3133 or departmental approval.

BUS-4613 International Business Consulting **3 Credits**
INTERNATIONAL BUSINESS CONSULTING IMMERSES STUDENTS IN REAL-WORLD BUSINESS CHALLENGES BY APPLYING THEIR CLASSROOM KNOWLEDGE TO CONSULT WITH BUSINESSES IN GLOBAL COMMUNITIES. THROUGH COLLABORATIVE PROJECTS, STUDENTS GAIN HANDS-ON EXPERIENCE DEVELOPING STRATEGIC SOLUTIONS, CREATING MEANINGFUL DELIVERABLES, AND CONTRIBUTING TO SUSTAINABLE ECONOMIC GROWTH. THE COURSE EMPHASIZES CULTURAL COMPETENCY, BUSINESS STRATEGY, AND PROFESSIONAL CONSULTING SKILLS WITHIN DIVERSE INTERNATIONAL CONTEXTS. STUDENTS

BUS-4621 Internship **1 Credit**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMONG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADED ON A PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4622 Internship **2 Credits**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMONG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADED ON PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4623 Internship **3 Credits**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMOUNG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADEDON PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4624 Internship **4 Credits**
MINIMUM OF 100 HOURS ON-THE-JOB LEARNING EXPERIENCE RELATED TO STUDENT'S MAJOR FOR EACH CREDIT HOUR EARNED. DAILY JOURNAL AND WRITTEN REPORT REQUIRED. STUDENT WILL BE EVALUATED BY FACULTY SPONSOR AND BY ON-THE-JOB SUPERVISOR. INTERNSHIP REQUIRES PRIOR DEPARTMENTAL APPROVAL AND A FORMAL AGREEMENT AMONG STUDENT, DEPARTMENT, AND EMPLOYER. INTERNSHIP IS GRADED ON A PASS/FAIL BASIS. Required Previous: BUCOM-3133 or departmental approval.

BUS-4981 Seminar in Business (subject named in title Listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4982 Seminar in Business (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4983 Seminar in Business (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4984 Seminar in Business (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4991 Individual Study in Business (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4992 Individual Study in Business (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4993 Individual Study in Business (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-4994 Individual Study in Business (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5123 Organizational Leadership **3 Credits**
THE COURSE FOCUSES ON THE THEORY AND PRACTICE OF SITUATIONAL LEADERSHIP. COURSE PARTICIPANTS WILL LEARN ABOUT THEORIES OF MOTIVATION, ORGANIZATION DESIGN, AND PERFORMANCE MANAGEMENT BY EXAMINING FACTORS THAT INFLUENCE INDIVIDUAL AND GROUP PERFORMANCE MANAGEMENT. THEORETICAL UNDERPINNINGS OF LEADERSHIP PHILOSOPHY WILL BE APPLIED TO THE EXPLORATION OF CURRENT ISSUES IN MODERN ORGANIZATIONAL LIFE. PRAGMATIC PHILOSOPHIES AND STRATEGIES FROM CURRENT LEADERS WILL ALSO BE EXPLORED. PARTICIPANTS WILL DE

BUS-5143 Quality Assurance and Management **3 Credits**
THIS COURSE EXAMINES QUALITY MANAGEMENT PRINCIPLES AND THEIR STRATEGIC APPLICATION IN COMPLEX BUSINESS ENVIRONMENTS. STUDENTS EXPLORE THE EVOLUTION OF MODERN QUALITY ASSURANCE AND DEVELOP PROFICIENCY IN KEY FRAMEWORKS, TERMINOLOGY, AND INDUSTRY TOOLS. EMPHASIS IS PLACED ON DESIGNING, IMPLEMENTING, AND IMPROVING INTEGRATED BUSINESS SYSTEMS, WITH ATTENTION TO ISO STANDARDS AND THE BALDRIGE FRAMEWORK AS BENCHMARKS OF EXCELLENCE. SIX SIGMA METHODOLOGIES AND PROCESS IMPROVEMENT STRATEGIES ARE ALSO RE

BUS-5981 Seminar in Business (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5982 Seminar in Business (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5983 Seminar in Business (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORKMAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5984 Seminar in Business (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-5991 Individual Study in Business (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-5992 Individual Study in Business (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-5993 Individual Study in Business (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-5994 Individual Study in Business (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT. Required Previous: 12 hours of graduate level course from any subject area of the Business Administration or Accounting Department.

BUS-H4103 Honors-Global Business **3 Credits**
AN UNDERSTANDING OF GLOBAL BUSINESS INCLUDING ITS IMPORTANCE IN TODAY'S WORLD, THE EVOLUTION OF INTERNATIONAL INSTITUTIONS AND THE MONETARY SYSTEM, THE DIFFERENCES AND SIMILARITIES AMONG NATIONS AND CULTURES, AND THE SPECIAL CHARACTERISTICS OF THE BUSINESS FUNCTIONS IN A GLOBAL SETTING. Required Previous: ECON-2003 or departmental approval.

BUS-H4213 Honors-Business Ethics **3 Credits**
THIS COURSE FOCUSES ON WHAT CONSTITUTES RIGHT OR WRONG BEHAVIOR IN THE BUSINESS WORLD AND ON HOW MORAL AND ETHICAL PRINCIPLES ARE APPLIED BY BUSINESSPERSONS TO SITUATIONS THAT ARISE IN THEIR DAILY ACTIVITIES IN THE WORKPLACE. DEGREE CREDIT NOT ALLOWED IN BOTH ACCT 3413 AND BUS 4213. Required Previous: BUCOM-3133 or departmental approval.

BUS-H4303 Honors-Business Strategy and Policy **3 Credits**
AN INTEGRATED APPROACH TO THE FORMULATION AND IMPLEMENTATION OF CORPORATE STRATEGY EMPHASIZING KNOWLEGDE GAINED IN EARLIER ACCOUNTING AND BUSINESS ADMINISTRATION COURSES. COURSE TO BE TAKEN LAST SEMESTER OF SENIOR YEAR. Required Previous: BUCOM-3133 or departmental approval.

BUS-H4981 Honors-Seminar in Business (subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-H4983 Honors-Seminar in Business (subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-H4993 Honors-Individual Study in Business (subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-S4981 Seminar in Business (subject named in title Listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. WORK MAY BE DONE INANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

BUS-S5981 Seminar in Business (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF BUSINESS ADMINISTRATION DEPARTMENT.

(BUSLW)

BUSLW-3213 The Legal Environment of Business **3 Credits**
INTRODUCTION TO THE AMERICAN LEGAL ENVIRONMENT WITH AN OVERVIEW OF THE LEGAL SYSTEM AS IT AFFECTS THE INDIVIDUAL'S RELATIONSHIP WITH OTHER INDIVIDUALS, THE GOVERNMENT, AND COMMERCE. THE COURSE EXPLORES BASIC ISSUES AND TOPICS SUCH AS THE MEANING AND FUNCTION OF LAW, TORTS, CONTRACTS, PRODUCT LIABILITY, AGENCY, AND EMPLOYMENT LAW.

BUSLW-3253 Business Law **3 Credits**
BASIC PRINCIPLES OF LAW AS APPLIED TO BUSINESS TRANSACTIONS. TOPICS INCLUDE: CONTRACTS, SALES, COMMERCIAL PAPER, BUSINESS ORGANIZATIONS, AND ACCOUNTANTS' LEGAL LIABILITY. Required Previous: BUSLW-3213 or departmental approval.

BUSLW-4253 Employment and Labor Law **3 Credits**
STUDENTS WILL LEARN THE BASICS OF EMPLOYMENT AND LABOR LAW SO THEY CAN LEGALLY HIRE, EVALUATE AND MANAGE EMPLOYEES AS A MANAGER, SUPERVISOR, SMALL BUSINESS OWNER, HUMAN RESOURCE SPECIALIST, OR CORPORATE EXECUTIVE. STUDENTS WILL LEARN THE DIFFERENCE BETWEEN AN EMPLOYEE AND INDEPENDENT CONTRACTOR, THE BASIC TYPES OF EMPLOYEE BENEFITS, EFFECTIVE HIRING, EVALUATION, AND TERMINATION PROCEDURES, DISCRIMINATION AND LABOR LAWS, AND WORKPLACE SAFETY RULES. THIS COURSE COVERS THE EMPLOYMENT AND LABOR LAW

BUSLW-5133 Contemporary Legal Issues **3 Credits**
EXAMINES LEGAL CONSTRAINTS AFFECTING MANAGERIAL DECISION MAKING AND BUSINESS BEHAVIOR. TOPICS INCLUDE SECURITIES, SECURED TRANSACTIONS, INTELLECTUAL PROPERTY, LEGAL ASPECTS OF BANKRUPTCY, LEGAL LIABILITY OF ACCOUNTANTS, EMPLOYMENT LAW, ENVIRONMENTAL LAW, AND INTERNET-RELATED LEGAL ISSUES. Required Previous: BUSLW-3213

BUSLW-5203 Advanced Employment and Labor Law **3 Credits**
STUDENTS WILL LEARN HOW TO LEGALLY AND EFFECTIVELY IMPLEMENT BASIC EMPLOYMENT AND LABOR LAWS. THE COURSE WILL EXAMINE HIRING PROCESSES, MANAGEMENT AND EVALUATION OF EMPLOYEES, AND TERMINATING THE EMPLOYMENT RELATIONSHIP. THE COURSE IS DESIGNED FOR STUDENTS WHO ARE OR WILL BECOME MANAGERS, SUPERVISORS, OR SMALL BUSINESS OWNERS.

(CARTO)

CARTO-2713 Elements of Data Collection and Field Studies **3 Credits**
INTRODUCTION TO GEOGRAPHIC DATA COLLECTION. PROPER ORGANIZATION OF FIELD PROBLEMS, FORMULATION OF HYPOTHESES, DATA IDENTIFICATION AND ACQUISITION, AND ANALYSIS WILL BE TAUGHT. BASE MAP INTERPRETATION (TOPOGRAPHIC MAPS, AERIAL PHOTOGRAPHY, REMOTELY-SENSED IMAGERY) AND FIELD SKILLS (PREPARATION, FIELD DESIGN ISSUES, SURVEYING AND INSTRUMENT USE SUCH AS GPS AND COMPASS) WILL ALSO BE STRESSED. Required Previous: CARTO-2253 or Departmental Approval

CARTO-3753 Aerial Photography and Remote Sensing **3 Credits**
INTERPRETATION OF MAPS, AERIAL PHOTOGRAPHS, AND REMOTELY SENSED IMAGES FOR GEOGRAPHIC RESEARCH. Required Previous: CARTO-2253 or Departmental Approval

CARTO-4941 Internship (Field named in title Listing) **1 Credit**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4942 Internship (Field named in title listing) **2 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4943 Internship (Field named in title listing) **3 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4944 Internship (Field named in title listing) **4 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4945 Internship (Field named in title listing) **5 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4946 Internship (Field named in title listing) **6 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4947 Internship (Field named in title listing) **7 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4948 Internship (Field named in title listing) **8 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4949 Internship (Field named in title listing) **9 Credits**
A SUPERVISED WORK EXPERIENCE IN CARTOGRAPHY THAT PROVIDES FOR PRACTICAL APPLICATIONS IN MAPPING.

CARTO-4981 Seminar in Cartography (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4982 Seminar in Cartography (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4983 Seminar in Cartography (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4984 Seminar in Cartography (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4991 Individual Studies in Cartography (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4992 Individual Studies in Cartography (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4993 Individual Studies in Cartography (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-4994 Individual Studies in Cartography (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CARTO-H4753 Honors-Advanced Remote Sensing 3 Credits
ADVANCED THEORY AND TECHNIQUES FOR DIGITAL IMAGE PROCESSING (PREPROCESSING, ENHANCEMENT, CLASSIFICATION, POST CLASSIFICATION ANALYSIS, SPECIAL TRANSFORMATIONS, MULTI-TEMPORAL DATA ANALYSIS FOR CHANGE DETECTIONS) OF SATELLITE IMAGERY RELATED TO EARTH RESOURCES AND INCORPORATION INTO GEOGRAPHIC INFORMATION SYSTEMS. Required Previous: CARTO-3753 or Departmental Approval

(CHEM)

CHEM-1114 General Chemistry I 4 Credits
THIS COURSE DEALS WITH SOME OF THE FUNDAMENTAL LAWS, THEORIES, DEFINITIONS, AND ORGANIZING SCHEMES RELATING TO MATTER AND ENERGY AND THE CHANGES THAT TAKE PLACE IN THEM. IT IS A BROAD OVERVIEW OF THE PRINCIPLES OF CHEMISTRY AND CHEMICAL REACTIVITY. PREVIOUS EXPOSURE TO CHEMISTRY IS NOT ASSUMED. THREE HOURS LECTURE AND TWO HOURS LAB WEEKLY. Required Previous or Concurrent: Must remediate science deficiency by completing PHSCI-0123 or passing placement test or PHSCI-0001 concurrently.

CHEM-1114L General Chemistry I Laboratory 0 Credits
LAB COURSE FOR CHEM-1114.

CHEM-1214 General Chemistry II 4 Credits
A CONTINUATION OF 1114. SOLUTION CHEMISTRY, ACIDS AND BASES, ELECTROCHEMISTRY, OXIDATION-REDUCTION AND MOLECULAR AND IONIC EQUILIBRIA. THE LABORATORY WILL INCLUDE AN INTRODUCTION TO QUALITATIVE ANALYSIS. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1114

CHEM-1214L General Chemistry II Laboratory 0 Credits
LAB COURSE FOR CHEM-1214.

CHEM-1314 General Organic and Biochemistry 4 Credits
THREE HOURS OF LECTURE AND TWO HOURS OF LAB PER WEEK. A CONTINUATION OF 1114 FOR STUDENTS WHOSE MAJORS DO NOT REQUIRE OTHER CHEMISTRY COURSES. WILL COMPLETE A THOROUGH, BUT ROUNDED, FOUNDATION IN INTRODUCTORY CHEMISTRY THROUGH FOCUS ON SELECTED TOPICS IN INORGANIC, ORGANIC, AND BIOCHEMISTRY. Required Previous: CHEM-1114

CHEM-1314L General Organic and Biochemistry Laboratory 0 Credits
LAB COURSE FOR CHEM-1314.

CHEM-1324 Chemical Principles 4 Credits
AN INTRODUCTION TO GENERAL, ORGANIC AND BIOLOGICAL CHEMISTRY FOR ALLIED HEALTH MAJORS WITH THREE HOURS OF LECTURE AND TWO HOURS OF LAB PER WEEK. THIS COURSE COVERS SELECTED TOPICS IN GENERAL CHEMISTRY, ORGANIC CHEMISTRY, AND BIOLOGICAL CHEMISTRY. TOPICS COVERED IN LECTURE AND LAB INCLUDE MEASUREMENTS, ATOMIC STRUCTURE, BONDING, KINETICS, ACIDS/BASES, GASES, NOMENCLATURE, STATES OF MATTER, SOLUTIONS, STOICHIOMETRY AND REACTIONS, OXIDATION-REDUCTION, HYDROCARBONS, FUNCTIONAL GROUPS, CARBOHYDRATES, Required Previous or Concurrent: Must remediate science deficiency by completing PHSCI-0123 or PHSCI-0001 or passing placement test.

CHEM-1324L Chemical Principles Laboratory 0 Credits
LAB COURSE FOR CHEM-1324.

CHEM-2881 Special Studies in Chemistry (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-2882 Special Studies in Chemistry (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-2883 Special Studies in Chemistry (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-2884 Special Studies in Chemistry (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-3114 Organic Chemistry I **4 Credits**
THEORY INCLUDES STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBONS OF BOTH THE ALIPHATIC AND AROMATIC SERIES. LAB WORK PROVIDES AN INTRODUCTION TO SYNTHESES AND REACTIONS OF HYDROCARBONS INCLUDING COMMON PURIFICATION TECHNIQUES. PROPER RECORD KEEPING OF EXPERIMENTAL WORK ALSO IS STRESSED. FOUR HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1214

CHEM-3114L Organic Chemistry I Laboratory **0 Credits**
LAB COURSE FOR CHEM-3114.

CHEM-3124 Chemistry of Food **4 Credits**
OVERVIEW OF THE CHEMICAL, PHYSICAL AND BIOLOGICAL PROPERTIES OF FOOD COMPONENTS WITH LAB EMPHASIZING CHEMICAL, PHYSICAL AND BIOLOGICAL CHANGES IN FOODS DURING PROCESSING AND STORAGE. Required Previous: CHEM-3114.

CHEM-3214 Quantitative Analysis I **4 Credits**
A COURSE IN THE GRAVIMETRIC AND VOLUMETRIC ANALYSIS WITH EMPHASIS ON CHEMICAL EQUILIBRIUM, CALCULATIONS, SEPARATION TECHNIQUES, AND ANALYSIS OF COMPLEX SUBSTANCES. THREE LECTURE AND THREE LAB HOURS WEEKLY. Required Previous: CHEM-1214

CHEM-3214L Quantitative Analysis I Laboratory **0 Credits**
LAB COURSE FOR CHEM-3214.

CHEM-3314 Quantitative Analysis II **4 Credits**
CONTINUATION OF 3214. Required Previous: CHEM-3214

CHEM-3484 Instrumental Analysis **4 Credits**
A STUDY OF EMISSION AND ABSORPTION SPECTROPHOTOMETRY, SEPARATION TECHNIQUES, AND ELECTRICAL ANALYTICAL METHODS. LABORATORY DETERMINATIONS WILL BE PERFORMED USING ATOMIC ABSORPTION, GAS CHROMATOGRAPHY, MASS SPECTROMETRY, IR, UV, AND VISIBLE SPECTROPHOTOMETRY, FLAME EMISSION, AND OTHER MODERN METHODS OF ANALYSIS. TWO HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. FORMAL LABORATORY REPORTS WILL BE REQUIRED. Required Previous: CHEM-3214

CHEM-3484L Instrumental Analysis Laboratory **0 Credits**
LAB COURSE FOR CHEM-3484.

CHEM-4114 Organic Chemistry II **4 Credits**
STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBON DERIVATIVES (ALKYLHALIDES, ALCOHOLS, ALDEHYDES, KETONES, CARBOXYLIC ACIDS, AMINES, ETC.) ARE COVERED. LAB WORK INCLUDES SYNTHESES, PURIFICATION, IDENTIFICATION (STRESS ON I.R. SPECTROSCOPY), AND LAB RECORD KEEPING. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-3114

CHEM-4114L Organic Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-4114.

CHEM-4213 Biochemistry **3 Credits**
AN INTRODUCTION TO THE CHEMISTRY OF LIVING SYSTEMS. THE STRUCTURE, NOMENCLATURE, AND CHEMICAL PROPERTIES OF THE MAJOR GROUPS OF BIOMOLECULES (CARBOHYDRATES, LIPIDS, PROTEINS, NUCLEIC ACIDS) ARE COVERED. THE BIOCHEMICAL NATURE OF ENZYMES, COENZYMES, HORMONES, AND SELECTED METABOLIC PATHWAYS ALSO ARE PRESENTED. Required Previous: CHEM-3114

CHEM-4221 Biochemistry Laboratory **1 Credit**
THREE HOURS OF LAB PER WEEK. TECHNIQUES (CHROMATOGRAPHY, ELECTROPHORESIS, SPECTROSCOPY, ETC.) FOR THE PREPARATION, IDENTIFICATION, AND QUANTIFICATION OF REPRESENTATIVE BIOMOLECULES ARE COVERED. ATTENTION ALSO IS GIVEN TO THE PROPERTIES OF ENZYMES AND TO THE KINETICS OF ENZYME CATALYZED REACTIONS. Required Previous or Concurrent: CHEM-4213

CHEM-4312 Teachers' Course in Chemistry **2 Credits**
PROBLEMS AND METHODS IN THE TEACHING OF CHEMISTRY.

CHEM-4413 Advanced Inorganic Chemistry **3 Credits**
A STUDY OF PERIODIC ARRANGEMENT OF THE ELEMENTS, THE CHEMISTRY OF THE REPRESENTATIVE AND TRANSITION ELEMENTS, AND ASPECTS OF THEORETICAL INORGANIC CHEMISTRY INCLUDING CHEMICAL BONDING, MOLECULAR SYMMETRY, COORDINATION CHEMISTRY, ACID-BASE CONCEPTS, AND ORGANOMETALLIC COMPOUNDS. THREE HOURS OF LECTURE WEEKLY. Required Previous: CHEM-1214

CHEM-4421 Advanced Inorganic Chemistry Laboratory **1 Credit**
THREE HOURS OF LABORATORY PER WEEK. TECHNIQUES (SOLID-STATE SYNTHESIS, X-RAY DIFFRACTOMETRY, FOURIER TRANSFORM INFRARED SPECTROSCOPY, INCLUDING DIFFUSE REFLECTANCE SPECTROSCOPY, ETC.) FOR THE SYNTHESIS, IDENTIFICATION, AND CHARACTERIZATION OF REPRESENTATIVE INORGANIC COMPOUNDS ARE COVERED. Required Previous or Concurrent: CHEM-4413

CHEM-4514 Physical Chemistry I **4 Credits**
A FUNDAMENTAL COURSE IN THE PRINCIPLES AND APPLICATIONS OF PHYSICAL CHEMISTRY, INCLUDING THE GAS LAWS, THERMODYNAMICS, THERMOCHEMISTRY, SOLUTION CHEMISTRY, PHASE EQUILIBRIA, CHEMICAL EQUILIBRIUM, KINETICS, AND ELECTROCHEMISTRY. THREE HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. Required Previous: MATH-2825

CHEM-4514L Physical Chemistry Laboratory **0 Credits**
LAB COURSE FOR CHEM-4514.

CHEM-4523 Advanced Biochemistry **3 Credits**
A CONTINUATION OF 4213, THE METABOLIC PATHWAYS OF THE MAJOR GROUPS OF BIOMOLECULES INCLUDING THE SYNTHESIS OF LIPIDS (FATTY ACIDS AND HORMONES AND VITAMINS), PROTEINS (AND AMINO ACIDS), AND NUCLEIC ACIDS WILL BE DISCUSSED. PHOTOSYNTHESIS AND AN EMPHASIS ON HOW THESE PROCESSES ARE CONTROLLED AND INTEGRATED THROUGHOUT THE CELL WILL ALSO BE PRESENTED. Required Previous: CHEM-4114

CHEM-4531 Advanced Biochemistry Laboratory **1 Credit**
CURRENT TECHNIQUES IN THE PURIFICATION AND CHARACTERIZATION OF ENZYME TO DEMONSTRATE FUNDAMENTAL PRINCIPLES THAT ARE UTILIZED IN MODERN BIOCHEMISTRY AND MOLECULAR BIOLOGY RESEARCH LABORATORIES. PRACTICAL SKILLS TAUGHT INCLUDE MICRO PIPETTING, BASIC SOLUTION PREPARATION, CONDUCTING PH MEASUREMENTS, ISOLATING CRUDE ENZYME EXTRACTS, AND PERFORMING STANDARD ACTIVITY ASSAYS. PROBLEM-SOLVING METHODOLOGY IN BIOCHEMISTRY, DISCUSSION OF RECENT ADVANCES IN AREAS RELATED TO THE SUBJECT MATTER WILL ALSO BE Required Previous: CHEM-4114

CHEM-4614 Physical Chemistry II **4 Credits**
A CONTINUATION OF 4514 EMPHASIZING QUANTUM THEORY, ATOMIC STRUCTURE, SYMMETRY, MOLECULAR SPECTROSCOPY, STATISTICAL MECHANICS, AND NUCLEAR CHEMISTRY. THREE HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. Required Previous: CHEM-4514

CHEM-4614L Physical Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-4614.

CHEM-4981 Seminar in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4982 Seminar in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4983 Seminar in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4984 Seminar in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4991 Individual Studies in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4992 Individual Studies in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4993 Individual Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-4994 Individual Studies in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-5981 Seminar in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5982 Seminar in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5983 Seminar in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5984 Seminar in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-5991 Individual Studies in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Chemistry

CHEM-5992 Individual Studies in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Chemistry

CHEM-5993 Individual Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twleve hours of Chemsitry

CHEM-5994 Individual Studies in Chemistry (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Chemistry

CHEM-H1214 Honors-General Chemistry II **4 Credits**
A CONTINUATION OF 1114. SOLUTION CHEMISTRY, ACIDS AND BASES, ELECTROCHEMISTRY, OXIDATION-REDUCTION AND MOLECULAR AND IONIC EQUILIBRIA. THE LABORATORY WILL INCLUDE AN INTRODUCTION TO QUALITATIVE ANALYSIS. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1114

CHEM-H3114 Honors-Organic Chemistry I **4 Credits**
THEORY INCLUDES STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBONS OF BOTH THE ALIPHATIC AND AROMATIC SERIES. LAB WORK PROVIDES AN INTRODUCTION TO SYNTHESES AND REACTIONS OF HYDROCARBONS INCLUDING COMMON PURIFICATION TECHNIQUES. PROPER RECORD KEEPING OF EXPERIMENTAL WORK ALSO IS STRESSED. FOUR HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-1214

CHEM-H3114L Honors-Organic Chemistry I Laboratory **0 Credits**
LAB COURSE FOR CHEM-H3114.

CHEM-H3214 Honors-Quantitative Analysis I **4 Credits**
A COURSE IN THE GRAVIMETRIC AND VOLUMETRIC ANALYSIS WITH EMPHASIS ON CHEMICAL EQUILIBRIUM, CALCULATIONS, SEPARATION TECHNIQUES AND ANALYSIS OF COMPLEX SUBSTANCES. THREE LECTURE AND THREE LAB HOURS WEEKLY. Required Previous: CHEM-1214

CHEM-H4114 Honors-Organic Chemistry II **4 Credits**
STRUCTURE, NOMENCLATURE, PHYSICAL PROPERTIES, AND REACTION MECHANISMS PERTINENT TO THE CHEMISTRY OF HYDROCARBON DERIVATIVES (ALKYLHALIDES, ALCHOHOLS, ALDEHYDES, KETONES, CARBOXYLIC ACIDS, AMINES, ETC.) ARE COVERED. LAB WORK INCLUDES SYNTHESES, PURIFICATION, IDENTIFICATION (STRESS ON I.R. SPECTROSCOPY), AND LAB RECORD KEEPING. THREE HOURS LECTURE AND 3 HOURS LAB WEEKLY. Required Previous: CHEM-3114

CHEM-H4114L Honors-Organic Chemistry II Laboratory **0 Credits**
LAB COURSE FOR CHEM-H4114.

CHEM-H4213 Honors-Biochemistry **3 Credits**
AN INTRODUCTION TO THE CHEMISTRY OF LIVING SYSTEMS. THE STRUCTURE, NOMENCLATURE, AND CHEMICAL PROPERTIES OF THE MAJOR GROUPS OF BIOMOLECULES (CARBOHYDRATES, LIPIDS, PROTEINS, NUCLEIC ACIDS) ARE COVERED. THE BIOCHEMICAL NATURE OF ENZYMES, COENZYMES, HORMONES, AND SELECTED METABOLIC PATHWAYS ALSO ARE PRESENTED. Required Previous: CHEM-3114

CHEM-H4413 Honors-Advanced Inorganic Chemistry **3 Credits**
A STUDY OF PERIODIC ARRANGEMENT OF THE ELEMENTS, THE CHEMISTRY OF THE REPRESENTATIVE AND TRANSITION ELEMENTS, AND ASPECTS OF THEORETICAL INORGANIC CHEMISTRY INCLUDING CHEMICAL BONDING, MOLECULAR SYMMETRY, COORDINATION CHEMISTRY, ACID-BASE CONCEPTS, AND ORGANOMETALLIC COMPOUNDS. THREE HOURS OF LECTURE WEEKLY. Required Previous: CHEM-1214

CHEM-H4514 Honors-Physical Chemistry I **4 Credits**
A FUNDAMENTAL COURSE IN THE PRINCIPLES AND APPLICATIONS OF PHYSICAL CHEMISTRY, INCLUDING THE GAS LAWS, THERMODYNAMICS, THERMOCHEMISTRY, SOLUTION CHEMISTRY, PHASE EQUILIBRIA, CHEMICAL EQUILIBRIUM, KINETICS, AND ELECTROCHEMISTRY. THREE HOURS LECTURE AND 4 HOURS LABORATORY WEEKLY. Required Previous: CHEM-1214

CHEM-H4993 Honors-Individual Studies in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CHEM-S5981 Seminar in Chemistry (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-S5982 Seminar in Chemistry (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CHEM-S5983 Seminar in Chemistry (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(CHI)

CHI-1113 Chickasaw I **3 Credits**
INTRODUCTION TO ELEMENTS OF GRAMMAR, PRONUNCIATION, VOCABULARY-BUILDING SKILLS, CONVERSATION, AND EASY READING ACTIVITIES OF THE CHICKASAW LANGUAGE. THE HISTORY AND CULTURE OF THE CHICKASAW NATION WILL ALSO BE EMPHASIZED.

CHI-2113 Chickasaw II **3 Credits**
CONTINUATION OF THE ELEMENTS OF GRAMMAR, PRONUNCIATION, AND VOCABULARY-BUILDING SKILLS, CONVERSATION, AND READING ACTIVITIES OF THE CHICKASAW LANGUAGE WITHIN ITS EVERYDAY CONTEXTS. THE HISTORY AND CULTURE OF THE CHICKASAW NATION WILL CONTINUE TO BE EMPHASIZED. Required Previous: CHI-1113

CHI-3113 Chickasaw III **3 Credits**
CONTINUATION OF THE STRUCTURE OF THE CHICKASAW LANGUAGE WITH INCREASED ATTENTION TO ITS PHONOLOGY, MORPHOLOGY AND SYNTAX. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL CONTINUE TO BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHI-2113

CHI-4113 Chickasaw IV **3 Credits**
A SYSTEMATIC REVIEW OF THE CHICKASAW LANGUAGE. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHI-3113

(CHMED)

CHMED-S5981 Seminar in Chemistry Education (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(CHO)

CHO-1113 Choctaw I **3 Credits**
INTRODUCTION TO ELEMENTS OF GRAMMAR, PRONUNCIATION, VOCABULARY-BUILDING SKILLS, CONVERSATION, AND EASY READING ACTIVITIES OF THE CHOCTAW LANGUAGE. THE HISTORY AND CULTURE OF THE CHOCTAW NATION WILL ALSO BE EMPHASIZED.

CHO-2113 Choctaw II **3 Credits**
CONTINUATION OF THE ELEMENTS OF GRAMMAR, PRONUNCIATION, AND VOCABULARY-BUILDING SKILLS, CONVERSATION AND READING ACTIVITIES OF THE CHOCTAW LANGUAGE WITHIN ITS EVERYDAY CONTEXTS. THE HISTORY AND CULTURE OF THE CHOCTAW NATION WILL CONTINUE TO BE EMPHASIZED. Required Previous: CHO-3113

CHO-3113 Choctaw III **3 Credits**
CONTINUATION OF THE STRUCTURE OF THE CHOCTAW LANGUAGE WITH INCREASED ATTENTION TO ITS PHONOLOGY, MORPHOLOGY AND SYNTAX. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL BE CONTINUED TO BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHO-2113

CHO-4113 Choctaw IV **3 Credits**
A SYSTEMATIC REVIEW OF THE CHOCTAW LANGUAGE. VOCABULARY EXPANSION AND CONVERSATIONAL PRACTICE WILL BE EMPHASIZED AS WELL AS THE HISTORY AND CULTURE OF THE NATIVE SPEECH COMMUNITY. Required Previous: CHO-3113

(CJSOC)

CJSOC-4313 Criminology **3 Credits**
THE CAUSE, PREVENTION AND TREATMENT OF CRIME. Required Previous: SOC-1113

(CMPSC)

CMPSC-1113 Computer Programming I **3 Credits**
INTRODUCTION TO THE THEORY AND TECHNIQUES OF PROGRAMMING USING HIGH-LEVEL LANGUAGES. EQUIVALENT TO COURSE CS1 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous or Concurrent: MATH-1513, MATH-1613 or departmental approval.

CMPSC-1133 Computer Programming II **3 Credits**
MODERN PROGRAMMING TECHNIQUES, INCLUDING TOP-DOWN DESIGN, BOTTOM-UP DESIGN, AND STRUCTURED TECHNIQUES ARE STUDIED. THE LANGUAGE OF INSTRUCTION IS A MODERN, STRUCTURED PROGRAMMING LANGUAGE. THIS COURSE IS EQUIVALENT TO COURSE CS2 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-1113 or departmental approval.

CMPSC-1513 Computer Literacy **3 Credits**
A MULTIDISCIPLINARY STUDY OF CONCEPTS, TERMS, AND TRENDS IN COMPUTING, AUGMENTED WITH DATABASE, SPREADSHEET, WORD PROCESSING AND INTERNET SKILLS. THIS COURSE EQUIPS THE STUDENT TO FUNCTION IN THE INFORMATION AGE.

CMPSC-2881 Subject Named in Title Listing Special Studies in Computer Science - **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-2882 Subject Named in Title Listing Special Studies in Computer Science - **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-2883 Subject Named in Title Listing Special Studies in Computer Science - **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-2884 Subject Named in Title Listing Special Studies in Computer Science - **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-3113 Operating Systems **3 Credits**
THE FUNCTIONS OF AN OPERATING SYSTEM INCLUDING THE FILE SYSTEM, THE RESIDENT MONITOR, INTERRUPT PROCESSING, MULTIPROCESSING, AND TIMESHARING SYSTEMS. EQUIVALENT TO COURSE CS6 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous or Concurrent: CMPSC-3613

CMPSC-3213 Organization of Programming Languages **3 Credits**
THE SYNTAX, ORGANIZATION, AND RUN-TIME BEHAVIOR OF SEVERAL HIGH-LEVEL PROGRAMMING LANGUAGES IS EXPLORED. BLOCK STRUCTURED LANGUAGES, DATA TYPES, CONTROL STRUCTURES AND DATA FLOW, AND MANAGEMENT OF STORAGE ARE EXAMINED. THIS COURSE IS EQUIVALENT TO COURSE CS8 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-1133

CMPSC-3243 Fundamentals of Cloud Computing **3 Credits**
THIS COURSE INTRODUCES LEARNERS TO THE FOUNDATIONAL CONCEPTS OF CLOUD COMPUTING, SURVEYING THE MAJOR CLOUD SERVICE PROVIDERS, KEY OFFERINGS, AND DEPLOYMENT MODELS. LEARNERS EXPLORE THE BASIC ARCHITECTURE OF CLOUD SERVICES, EXAMINING PUBLIC, PRIVATE, AND HYBRID CLOUD ENVIRONMENTS, AS WELL AS THE DIFFERENCES BETWEEN INFRASTRUCTURE AS A SERVICE (IAAS), PLATFORM AS A SERVICE (PAAS), AND SOFTWARE AS A SERVICE (SAAS) DELIVERY MODELS. LEARNERS GAIN PRACTICAL EXPERIENCE USING CLOUD PROVIDER TOOLS, CONFI Required Previous: CMPSC-1133

CMPSC-3253 Introduction to Cloud Security **3 Credits**
THIS COURSE FOCUSES ON THE ESSENTIAL INFORMATION SECURITY PRINCIPLES AND STRATEGIES FOR SECURING CLOUD INFRASTRUCTURES. LEARNERS EXPLORE THE PRIMARY DIFFERENCES BETWEEN TRADITIONAL ON-PREMISES COMPUTING ENVIRONMENTS AND TYPICAL CLOUD DEPLOYMENTS MODELS, WITH AN EMPHASIS ON RISK MANAGEMENT, COMPLIANCE, AND THE DYNAMIC CHALLENGES OF CLOUD SECURITY. TOPICS INCLUDE ASSET MANAGEMENT, DATA PROTECTION, IDENTITY AND ACCESS MANAGEMENT, AND NETWORK ACCESS. LEARNERS GAIN AN UNDERSTANDING OF HOW TO DESIGN A Required Previous: CMPSC-3243

CMPSC-3323 Internet Programming **3 Credits**
TECHNICAL ISSUES CONCERNING THE INTERNET AND PROGRAMMING ON THE INTERNET, INCLUDING HYPERTEXT DOCUMENT CREATION AND DELIVERY, CLIENT-SERVER SYSTEMS, GRAPHICS, SERVER INTERFACE PROGRAMS, AND APPROPRIATE LANGUAGES. Required Previous: CMPSC-1133

CMPSC-3543 Object Oriented Programming **3 Credits**
OBJECT ORIENTED SOFTWARE DEVELOPMENT IS STUDIED USING C++ OR OTHER MODERN OBJECT ORIENTED LANGUAGE. TOPICS COVERED INCLUDE CLASSES, INHERITANCE AND POLYMORPHISM. Required Previous or Concurrent: CPSMA-2103

CMPSC-3613 Computer Architecture **3 Credits**
ARCHITECTURE INCLUDING NUMBER SYSTEMS, CPA, ARITHMETIC, PRIMARY AND SECONDARY MEMORY. INSTRUCTION SETS AND ASSEMBLER LEVEL PROGRAMMING. EQUIVALENT TO COURSE CS3 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-1133

CMPSC-3943 Software Design & Development **3 Credits**
THE SOFTWARE DEVELOPMENT LIFE CYCLE AND CONCEPTS OF LARGE-SCALE SOFTWARE DEVELOPMENT ARE EXPLORED. SIGNIGICANT SOFTWARE PROJECT WORK WILL ALSO BE ACCOMPLISHED. THE TEAM PROGRAMMING CONCEPT IS UTILIZED. THIS COURSE IS EQUIVALENT TO COURSE CS14 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CPSMA-2103

CMPSC-4213 Data Base Design **3 Credits**
SEVERAL DATA MODELS ARE EXAMINED, WITH EMPHASIS ON RELATIONAL MODELS. DATA BASE DESIGN IS STUDIED, AND APPLICATIONS ARE IMPLEMENTED. EQUIVALENT TO COURSE CS11 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CPSMA-2103

CMPSC-4223 UNIX System Administration **3 Credits**
ADMINISTRATION OF UNIX TIMESHARING SYSTEMS, INCLUDING SPOOLING, INSTALLATION, MAINTENANCE, AND INTERCOMPUTER COMMUNICATIONS. Required Previous: CPSMA-2103

CMPSC-4273 Modeling and Simulation Using Parallel Computing **3 Credits**
METHODS, SCIENCE, ALGORITHMS AND PRACTICE OF MODELING AND SIMULATION PROCESSING USING SMALL TO LARGE SCALE PARALLEL COMPUTING. TOPICS INCLUDE: ELECTROMAGNETICS, CLIMATE/WEATHER, AIRCRAFT MODELING, DNA-RELATED BIOINFORMATICS, MEDICAL IMAGING, GAMING, ARTIFICIAL INTELLIGENCE (AI) AND NATURAL LANGUAGE PROCESSING AREAS. Required Previous: CMPSC-1113

CMPSC-4473 Theory of Programming Languages **3 Credits**
THE DESIGN AND CONSTRUCTION OF COMPILERS. THE THEORY OF PARSING, LANGUAGE THEORY, AND GENERAL PARSING METHODS ARE COVERED. CONTEXT FREE AND CONTEXT DEPENDENT LANGUAGES AND DETERMINISTIC PARSING METHODS ARE STUDIED. THIS COURSE IS EQUIVALENT TO COURSE CS15 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM. Required Previous: CMPSC-3943

CMPSC-4881 Practicum in Computer Science **1 Credit**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4882 Practicum in Computer Science **2 Credits**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4883 Practicum in Computer Science **3 Credits**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4884 Practicum in Computer Science **4 Credits**
SUPERVISED PRACTICAL EXPERIENCE IN A COMPUTER CENTER WORKING WITH AN APPLICATION WHICH IS IN PRODUCTION OR ONE WHICH WILL BE PUT INTO PRODUCTION. Required Previous: Take twelve (12) twelve hours of Computer Science and Departmental Approval.

CMPSC-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

CMPSC-A2213 Computer Languages-PHP 3 Credits
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-A3313 Advanced Computer Language- Php 3 Credits
ADVANCED STUDY OF A PROGRAMMING LANGUAGE WHICH MAY INCLUDE TOPICS SUCH AS OBJECT-ORIENTED PROGRAMMING, CLIENT-SERVER COMMUNICATIONS, DATABASE INTERFACE, CRYPTOGRAPHY, WEB PROGRAMMING, AND OTHER LANGUAGES SPECIFIC FEATURES. THIS COURSE MAY BE REPEATED WITH DIFFERENT LANGUAGE FOR CREDIT. Required Previous: Take CMPSC-1133 and CPSMA-2103

CMPSC-B2213 Computer Languages-BASIC 3 Credits
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-C2213 Computer Languages-Cobol 3 Credits
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-F2213 Computer Languages-FORTRAN 3 Credits
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H1113 Honors-Computer Programming I 3 Credits
INTRODUCTION TO THE THEORY AND TECHNIQUES OF PROGRAMMING USING HIGH-LEVEL LANGUAGES. EQUIVALENT TO COURSE CS1 OF THE ASSOCIATION FOR COMPUTINGMACHINERY RECOMMENDED CURRICULUM. Required Previous or Concurrent: MATH-1513 or departmental approval.

CMPSC-H1513 Honors-Computer Literacy 3 Credits
A MULTIDISCIPLINARY STUDY OF CONCEPTS, TERMS, AND TRENDS IN COMPUTING, AUGMENTED WITH DATABASE, SPREADSHEET, WORD PROCESSING AND INTERNET SKILLS. THIS COURSE EQUIPS THE STUDENT TO FUNCTION IN THE INFORMATION AGE.

CMPSC-H3213 Honors-Orgztn Prgmng Lang 3 Credits
THE SYNTAX, ORGANIZATION, AND RUN-TIME BEHAVIOR OF SEVERAL HIGH-LEVEL PROGRMMING LANGUAGES IS EXPLORED. BLOCK STRUCTURED LANGUAGES, DATA TYPES,CONTROL STRUCTURES AND DATA FLOW, AND MANAGEMENT OF STORAGE ARE EXAMINED. THIS COURSE IS EQUIVALENT TO COURSE CS8 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H3543 Honors-Objct Orien Progrmg **3 Credits**
OBJECT ORIENTED SOFTWARE DEVELOPMENT IS STUDIED USING C++ OR OTHER MODERN OBJECT ORIENTED LANGUAGE. TOPICS COVERED INCLUDE CLASSES, INHERITANCEAND POLYMORPHISM. Required Previous or Concurrent: Take CPSMA-2103

CMPSC-H3613 Honors-Computer Architecture **3 Credits**
ARCHITECTURE INCLUDING NUMBER SYSTEMS, CPU, ARITHMETIC, PRIMARY AND SECONDARY MEMORY. INSTRUCTION SETS AND ASSEMBLER LEVEL PROGRAMMING. EQUIVALENT TO COURSE CS3 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H4213 Honors-Database Design **3 Credits**
SEVERAL DATA MODELS ARE EXAMINED, WITH EMPHASIS ON RELATIONAL MODELS. DATA BASE DESIGN IS STUDIED, AND APPLICATIONS ARE IMPLEMENTED. EQUIVALENTTO COURSE CS11 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CU RRICULUM. Required Previous: Take CPSMA-2103

CMPSC-H4273 Honors-Modeling and Simulation Using Parallel Computing **3 Credits**
METHODS, SCIENCE, ALGORITHMS AND PRACTICE OF MODELING AND SIMULATION PROCESSING USING SMALL TO LARGE SCALE PARALLEL COMPUTING. TOPICS INCLUDE: ELECTROMAGNETICS, CLIMATE/WEATHER, AIRCRAFT MODELING, DNA-RELATED BIOINFORMATICS, MEDICAL IMAGING, GAMING, ARTIFICIAL INTELLIGENCE (AI) AND NATURAL LANGUAGE PROCESSING AREAS. Required Previous: CMPSC-1113

CMPSC-H4473 Honors-Theory Progrmng Languages **3 Credits**
THE DESIGN AND CONSTRUCTION OF COMPILERS. THE THEORY OF PARSING, LANGUAGE THEORY, AND GENERAL PARSING METHODS ARE COVERED. CONTEXT FREE AND CONTEXT DEPENDENT LANGUAGES AND DETERMINISTIC PARSING METHODS ARE STUDIED. THIS COURSE IS EQUIVALENT TO COURSE CS15 IN THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

CMPSC-J2213 Computer Languages-Java **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

CMPSC-J3313 Adv Computer Lang-Java **3 Credits**
ADVANCED STUDY OF A PROGRAMMING LANGUAGE WHICH MAY INCLUDE TOPICS SUCH AS OBJECT-ORIENTED PROGRAMMING, CLIENT-SERVER COMMUNICATIONS, DATABASE INTERFACE, CRYPTOGRAPHY, WEB PROGRAMMING, AND OTHER LANGUAGES SPECIFIC FEATURES. THIS COURSE MAY BE REPEATED WITH DIFFERENT LANGUAGE FOR CREDIT. Required Previous: Take CMPSC-1133 and CPSMA-2103

CMPSC-P3313 Advanced Computer Language-Python and PERL **3 Credits**
ADVANCED STUDY OF A PROGRAMMING LANGUAGE WHICH MAY INCLUDE TOPICS SUCH AS OBJECT-ORIENTED PROGRAMMING, CLIENT-SERVER COMMUNICATIONS, DATABASE INTERFACE, CRYPTOGRAPHY, WEB PROGRAMMING, AND OTHER LANGUAGES SPECIFIC FEATURES. THIS COURSE MAY BE REPEATED WITH DIFFERENT LANGUAGE FOR CREDIT. Required Previous: Take CMPSC-1133 and CPSMA-2103

CMPSC-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CMPSC-Y2213 Computer Languages-Python **3 Credits**
PROGRAMMING APPLICATIONS AND TECHNIQUES USING THE SPECIFIED LANGUAGE. EQUIVALENT TO COURSE CS5 OF THE ASSOCIATION FOR COMPUTING MACHINERY RECOMMENDED CURRICULUM.

(COMM)

COMM-1113 Fund of Human Communication **3 Credits**
OVERVIEW OF THE HUMAN COMMUNICATION PROCESS AS IT OCCURS IN THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING CONTEXTS. PRINCIPLES AND TECHNIQUES OF PREPARING FOR, PARTICIPATING IN, AND EVALUATING COMMUNICATION BEHAVIOR AT THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING LEVELS.

COMM-1632 Movement for the Stage **2 Credits**
A STUDY IN THE ORGANIC CONNECTIONS AMONG ACTION, CONCEPT, AND EMOTION TO PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT AND/OR SPATIAL THEORIES, TECHNIQUE AND QUALITIES FOR THE ACTOR.

COMM-2111 Showtime **1 Credit**
PRACTICAL APPLICATION OF MUSICAL THEATRE LITERATURE AND VOCAL TECHNIQUES THROUGH PUBLIC PERFORMANCE, SHOWCASES, OUTREACH OPPORTUNITIES, AND TOURING. MAY BE REPEATED FOR CREDIT. ENROLLMENT BY AUDITION.

COMM-2153 Interpersonl Communication Interpersonal Communication **3 Credits**
A STUDY OF THE PROCESSES AND EFFECTS OF INTERPERSONAL COMMUNICATION. PROVIDES PRACTICAL EXPERIENCES SO STUDENTS CAN EVALUATE INTERPERSONAL SUCCESSES AND FAILURES, AND IMPROVE INTERPERSONAL RELATIONSHIPS.

COMM-2253 Communication in the Workplace **3 Credits**
FUNDAMENTAL COMMUNICATION SKILLS FOR STUDENTS PLANNING TO ENTER BUSINESSAND PROFESSIONAL SETTINGS. FOCUS ON INTERPERSONAL AND GROUP COMMUNICATION, INTERVIEWING AND PUBLIC SPEAKING.

COMM-3133 Organizational Communica **3 Credits**
STUDY OF THE FUNCTIONS OF COMMUNICATION IN HUMAN ORGANIZATIONS. FOCUS ON THE JUNCTURE OF ORGANIZATIONAL AND COMMUNICATION THEORIES.

COMM-3213 Persuasion **3 Credits**
A STUDY OF FACTORS INVOLVED IN ATTITUDE CHANGE, AND THEIR APPLICATION INORAL COMMUNICATION SITUATIONS.

COMM-3223 Gender Communication **3 Credits**
A STUDY OF GENDER COMMUNICATION AND HOW PERCEIVED DIFFERENCES IN GENDER AFFECT COMMUNICATION. THE COURSE ACKNOWLEDGES CULTURAL GENDER CONSTRUCTION AND HOW IT SUPPORTS OR OBSTRUCTS THE ABILITY TO COMMUNICATE ACROSS THE GENDER CONTINUUM. STUDENTS WILL LEARN TO ANALYZE THE POWER STRUCTURES THAT CONSTITUTE GENDER DIFFERENCES IN COMMUNICATION.

COMM-3243 Presentational Communicatn **3 Credits**
STUDY OF TEAM AND INDIVIDUAL ORAL PRESENTATIONS. PRACTICE IN BOTH GROUPPRESENTATION AND PUBLIC ADDRESS.

COMM-3321 Musical Theatre Voice **1 Credit**
ADVANCED VOCAL TECHNIQUES FOR MUSICAL THEATRE INCLUDING MIXING AND BELTING. EMPHASIS ON THE STUDY OF ADVANCED MUSICAL THEATRE REPERTOIRE APPROPRIATE TO THE STUDENT'S VOCAL RANGE. MAY BE TAKEN THREE TIMES FOR CREDIT. Required Previous: Voice 4 Semesters

COMM-3463 Audition for Theatre **3 Credits**
THEATRE AUDITION TECHNIQUES. Required Previous: COMM-1413 and departmental approval

COMM-3613 Group Dynamics **3 Credits**
A STUDY OF THE COMMUNICATION DYNAMICS OF GROUPS. THE COURSE INCLUDES STUDY OF ROLES AND RELATIONSHIPS, COHESION, CONFLICT AND POWER, LEADERSHIP, DECISION MAKING AND PROBLEM-SOLVING, GROUP CLIMATE, RESOURCE ALLOCATION, AND GROUP EVALUATION.

COMM-4183 Theories of Human Communic **3 Credits**
SURVEY OF THEORIES DESIGNED TO EXPLAIN HOW HUMANS INTERACT. INCLUDES VERBAL, NONVERBAL, INTERPERSONAL, GROUP, ORGANIZATIONAL, POLITICAL, INTERCULTURAL, AND MASS COMMUNICATION. Required Previous: COMM-1113

COMM-4423 Intercultural Communicatn **3 Credits**
AN OVERVIEW OF THE STUDY OF CULTURES AND THEIR EFFECT ON COMMUNICATION.THE FOCUS OF STUDY IS TO PROVIDE STUDENTS WITH A FAMILIARITY WITH A VARIETY OF CULTURES AND HOW LANGUAGE (BOTH VERBAL AND NONVERBAL) INFLUENCE HOW WE RESPOND TO OTHER PEOPLE. THROUGH THE STUDY, STUDENTS BECOME MORE AWARE OF OTHER CULTURES' SIMILARITIES AND DIFFERENCES, INCREASE THEIR KNOWLEDGE OF ETHNICAL ISSUES AND HOW THEY IMPINGE ON OUR CULTURE, AND FIND MEANS OF COMMUNICATING BETTER WITH PEOPLE FROM OTHER CULTURAL AND ETH

COMM-4473 Children's Theatre **3 Credits**
APPROACHES TO CREATIVE PLAY-MAKING FOR AND WITH CHILDREN. DRAMATIZATIONOF CHILDREN'S LITERATURE, PLAY SELECTION AND PRODUCTION TECHNIQUES FOR CHILDREN'S THEATRE PERFORMANCES AND INVOLVEMENT DRAMAS. MATERIALS, TECHNIQUES, AND PROCEDURES FOR CONDUCTING SESSIONS IN CREATIVE DRAMATICS.

COMM-4521 Senior Project in Dance **1 Credit**
DEPARTMENT APPROVAL (ECU SENIOR PROJECT): A STUDY IN STUDENT DIRECTED REPERTORY FOR THE PRESENTATION AND MANAGEMENT OF NEW CHOREOGRAPHIC WORKS, THROUGH AUDITIONS, REHEARSALS, PRODUCTIONS, AND PERFORMANCES IN UNIVERSITY SETTINGS.

COMM-4922 Methods of Tchg Spch and Debate **2 Credits**
A STUDY OF THE METHODS OF TEACHING SPEECH AND DEBATE IN THE SECONDARY SCHOOLS, INCLUDING SUCH TOPICS AS LESSON-PLANNING, PHILOSOPHIES, BOOK SELECTION, DISCIPLINE, DIRECTING EXTRA-CURRICULAR ACTIVITIES (DEBATE TEAM, FORENSICS COMPETITIONS), AND INSTRUCTIONAL STRATEGIES. Required Previous: 15 hours of COMM courses.

COMM-4942 Methods of Teaching Theatre **2 Credits**
A STUDY OF THE METHODS OF TEACHING SPEECH AND DEBATE IN THE SECONDARY SCHOOLS, INCLUDING SUCH TOPICS AS LESSON-PLANNING, PHILOSOPHIES, BOOK SELECTION, DISCIPLINE, DIRECTING EXTRA-CURRICULAR ACTIVITIES (PLAY DIRECTING, ONE-ACT COMPETITION), AND INSTRUCTIONAL STRATEGIES. Required Previous: 15 hours of COMM courses.

COMM-4954 Methods of Teaching Speech/Drama/Debate **4 Credits**
A STUDY OF THE METHODS OF TEACHING SPEECH IN THE SECONDARY SCHOOLS, INCLUDING SUCH TOPICS AS LESSON-PLANNING, PHILOSOPHIES, BOOK SELECTION, DISCIPLINE, DIRECTING EXTRA-CURRICULAR ACTIVITIES, AND INSTRUCTIONAL STRATEGIES. Required Previous: 15 hours of COMM courses.

COMM-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 12 credits;from subject COMM

COMM-C3311 Mus Theatre Ensemble-Contemp 1 Credit
STUDY OF SCENES AND SONGS FROM MAJOR CLASSICAL MUSICALS CULMINATING IN A PREPARED PUBLIC PERFORMANCE. EMPHASIS ON EXPLORING PRACTICAL TECHNIQUES OF INTERPRETATION AND EXPRESSION IN ORDER TO INTEGRATE SINGING AND ACTING SKILLS INTO THE VOCAL, PHYSICAL, AND MENTAL ASPECTS OF PERFORMING. MAY BE REPEATED FOR CREDIT. Required Previous: COMM-1413

COMM-H1113 Honors-Fund of Hum Communication 3 Credits
OVERVIEW OF THE HUMAN COMMUNICATION PROCESS AS IT OCCURS IN THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING CONTEXTS. PRINCIPLES AND TECHNIQUES OF PREPARING FOR, PARTICIPATING IN, AND EVALUATING COMMUNICATION BEHAVIOR AT THE INTERPERSONAL, GROUP, AND PUBLIC SPEAKING LEVELS.

COMM-H2133 Honors-Interviewing 3 Credits
THEORY AND PRACTICE IN INFORMATIVE, PERSUASIVE, AND COUNSELING INTERVIEWING.

COMM-H2153 Honors-Interprsl Communica 3 Credits
A STUDY OF THE PROCESSES AND EFFECTS OF INTERPERSONAL COMMUNICATION. PROVIDES PRACTICAL EXPERIENCES SO STUDENTS CAN EVALUATE INTERPERSONAL SUCCESSES AND FAILURES, AND IMPROVE INTERPERSONAL RELATIONSHIPS.

COMM-H2233 Honors-Argumntatn & Debate 3 Credits
STUDY OF REASONED DISCOURSE AS PRACTICED IN DEBATE. INCLUDES RESEARCH, CASE BUILDING, PRESENTATION, REFUTATION, AND DEFENSE IN INDIVIDUAL AND TEAM DEBATE FORMATS. Required Previous: COMM-1113 or COMM-2253

COMM-H2253 Honors-Comm in the Workplace 3 Credits
FUNDAMENTAL COMMUNICATION SKILLS FOR STUDENTS PLANNING TO ENTER BUSINESSAND PROFESSIONAL SETTINGS. FOCUS ON INTERPERSONAL AND GROUP COMMUNICATION, INTERVIEWING AND PUBLIC SPEAKING.

COMM-H2313 Honors-Listening 3 Credits
A STUDY OF THE PROCESS OF LISTENING. THE COURSE INVOLVES THE THEORY ANDPRACTICE OF LISTENING, STRESSING THE PURPOSES FOR LISTENING. STUDENTSARE INVOLVED IN PRACTICAL EXPERIENCES SO THEY CAN EVALUATE THEIR OWN SUCCESSES AND FAILURES, AND WORK TO IMPROVE THEIR LISTENING SKILLS UNDERSUPERVISION.

COMM-H3133 Honors-Organizational Comm 3 Credits
STUDY OF THE FUNCTIONS OF COMMUNICATON IN HUMAN ORGANIZATIONS. FOCUS ONTHE JUNCTURE OF ORGANIZATIONAL AND COMMUNICATION THEORIES.

COMM-H3213 Honors-Persuasion 3 Credits
A STUDY OF FACTORS INVOLVED IN ATTITUDE CHANGE, AND THEIR APPLICATION INORAL COMMUNICATION SITUATIONS.

COMM-H3243 Honors-Presentatl Communic 3 Credits
STUDY OF TEAM AND INDIVIDUAL ORAL PRESENTATIONS. PRACTICE IN BOTH GROUPPRESENTATION AND PUBLIC ADDRESS.

COMM-H3613 Honors-Group Dynamics 3 Credits
A STUDY OF THE COMMUNICATION DYNAMICS OF GROUPS. THE COURSE INCLUDES STUDY OF ROLES AND RELATIONSHIPS, COHESION, CONFLICT AND POWER, LEADERSHIP, DECISION MAKING AND PROBLEM-SOLVING, GROUP CLIMATE, RESOURCE ALLOCATION, AND GROUP EVALUATION.

COMM-H4423 Honors-Intercultural Comm 3 Credits
AN OVERVIEW OF THE STUDY OF CULTURES AND THEIR EFFECT ON COMMUNICATION.THE FOCUS OF STUDY IS TO PROVIDE STUDENTS WITH A FAMILIARITY WITH A VARIETY OF CULTURES AND HOW LANGUAGE (BOTH VERBAL AND NONVERBAL) INFLUENCE HOW WE RESPOND TO OTHER PEOPLE. THROUGH THE STUDY, STUDENTS BECOME MORE AWARE OF OTHER CULTURES' SIMILARITIES AND DIFFERENCES, INCREASE THEIR KNOWLEDGE OF ETHNICAL ISSUES AND HOW THEY IMPINGE ON OUR CULTURE, AND FIND MEANS OF COMMUNICATING BETTER WITH PEOPLE FROM OTHER CULTURAL AND ETH

COMM-N2616 Theo & tech Dnc Ii-Ballet II 6 Credits
Required Previous: COMM-1612

COMM-S3311 Mus Theatre Ensemble-Standards 1 Credit
STUDY OF SCENES AND SONGS FROM MAJOR CLASSICAL MUSICALS CULMINATING IN A PREPARED PUBLIC PERFORMANCE. EMPHASIS ON EXPLORING PRACTICAL TECHNIQUES OF INTERPRETATION AND EXPRESSION IN ORDER TO INTEGRATE SINGING AND ACTING SKILLS INTO THE VOCAL, PHYSICAL, AND MENTAL ASPECTS OF PERFORMING. MAY BE REPEATED FOR CREDIT. Required Previous: COMM-1413

COMM-S4981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

COMM-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(COUNS)

COUNS-2103 Interviewing Techniques **3 Credits**
THIS COURSE IS DESIGNED TO AID THE STUDENT IN DEVELOPING BASIC COMMUNICATION INTERVIEWING SKILLS USED IN THE VARIOUS HUMAN SERVICE FIELDS. THE COURSE WILL FAMILIARIZE THE STUDENT WITH COMMUNICATION THEORY AS WELL AS THE STAGES, PLANNING, AND STYLES OF INTERVIEWING.

COUNS-2183 Fundamentals of Counseling **3 Credits**
THIS COURSE PROVIDES A PHILOSOPHICAL ORIENTATION TO THE COUNSELING FUNCTION, AND THE COUNSELING MODEL OF COMMUNITY SERVICES, AND EXPLORES THE VARIOUS THEORETICAL APPROACHES TO THE PROVISION OF THESE SERVICES.

COUNS-2213 Introduction to Rehabilitation Counseling **3 Credits**
A STUDY OF REHABILITATION CONCEPTS, PROCESS, PHILOSOPHY, AND ITS LEGISLATIVE-HISTORICAL PROGRESSION. EMPHASIS WILL BE PLACED ON THE ROLE AND FUNCTION OF THE COUNSELOR AND THE METHODS AND TECHNIQUES UTILIZED IN THE REHABILITATION PROCESS.

COUNS-3073 Introduction to Prevention Science **3 Credits**
THIS COURSE PROVIDES AN OVERVIEW OF THEORY, RESEARCH, AND PRACTICE IN PREVENTION SCIENCE AND HEALTH PROMOTION, INCLUDING FOUNDATIONAL CONCEPTS, INTERVENTION, METHODOLOGY, AND APPLICATION AND IMPLEMENTATION OF EFFECTIVE APPROACHES. EMPHASIS IS GIVEN TO THE STRATEGIC PREVENTION FRAMEWORK AND SUBSTANCE ISSUES.

COUNS-3083 Medical, Social and Psychological Aspects of Disability **3 Credits**
A STUDY OF THE RELATIONSHIP BETWEEN DISABILITY AND BEHAVIOR THROUGHOUT THE LIFE PROCESS WITH PRIMARY EMPHASIS UPON ADAPTIVE PSYCHOLOGICAL AND SOCIAL PROCESSES. CONCEPTS PERTINENT TO THE MEDICAL AND OCCUPATIONAL ASSESSMENT AND PERSONS WITH DISABILITIES WILL BE CONSIDERED AS THEY RELATE TO SELF-CONCEPT, ENVIRONMENTAL DEMANDS, AND MANAGEMENT OF DISABILITY EFFECTS.

COUNS-3103 Psychological-Social Aspects of Deafness **3 Credits**
CONSIDERS EFFECTS OF PRELINGUAL AND POSTLINGUAL DEAFNESS OR HEARING IMPAIRMENT ON THE PSYCHOLOGICAL AND EMOTIONAL DEVELOPMENT AND ADAPTATION OF THE INDIVIDUAL TO DEAFNESS. PRESENTS A STUDY OF COGNITIVE AND LINGUISTIC DEVELOPMENT, PERSONALITY, INTERPERSONAL BEHAVIOR, SOCIAL REACTIONS, PERSONAL ADJUSTMENT, AND DEAF CULTURE. ALSO INCLUDES AN INTRODUCTION TO COUNSELING WITH DEAF PEOPLE.

COUNS-3133 Introduction to Audiology **3 Credits**
A STUDY OF THE ANATOMY OF THE EAR, TYPES AND CAUSES OF HEARING LOSS, HEARING TESTING, AND REMEDIATION TECHNIQUES OF PERSONS WITH HEARING IMPAIRMENTS. THE COURSE ALSO INCLUDES AN INTRODUCTION TO HEARING AIDS, THEIR FUNCTION, AND LIMITATIONS.

COUNS-3183 Case Management Practice **3 Credits**
A STUDY AND PRACTICE OF CASE MANAGEMENT AND KNOWLEDGE AND SKILLS FOR EFFECTIVE CASE MANAGEMENT. AREAS OF EMPHASIS WILL INCLUDE: IDENTIFICATION AND ASSESSMENT OF CLIENT SITUATIONS, USE OF FORMAL AND INFORMAL ASSESSMENT TECHNIQUES, CASE RECORDING SKILLS, AND DEVELOPMENT OF INDIVIDUALIZED ASSESSMENTS AND CASE PLANS. Required Previous or Concurrent: COUNS-2103 or Departmental Approval

COUNS-3203 Vocational Testing and Evaluation **3 Credits**
A STUDY OF THE VOCATIONAL TESTING AND EVALUATION PRINCIPLES AND PROCEDURES USED IN VARIOUS HELPING SERVICES. INSTRUCTION AND PRACTICE IN THE ADMINISTRATION, SCORING, AND INTERPRETATION OF INSTRUMENTS USED IN THE ASSESSMENT OF INTELLIGENCE, APTITUDE, INTEREST, AND PERSONALITY.

COUNS-3213 Employment and Placement Techniques **3 Credits**
A COURSE DESIGNED TO ASSIST THE STUDENT IN LEARNING THE METHODS AND PROCEDURES OF PLACING INDIVIDUALS IN PRODUCTIVE EMPLOYMENT. TOPICS INCLUDE: THEORIES OF VOCATIONAL DEVELOPMENT, OCCUPATIONAL CLASSIFICATION, JOB SATISFACTION, JOB SEEKING SKILLS, JOB PERFORMANCE, AND JOB ANALYSIS.

COUNS-3283 Addictions and Society **3 Credits**
A STUDY OF THE RELATIONSHIP BETWEEN ADDICTIVE BEHAVIOR AND ITS IMPACT ON INDIVIDUALS, FAMILIES, AND SOCIETY, AS WELL AS THE PRESENCE OF CO-OCCURRING/CO-EXISTING DIAGNOSIS. VARIOUS ASSESSMENT INSTRUMENTS WILL ALSO BE EXPLAINED. PHARMACOLOGY, PSYCHOLOGICAL, AND SOCIOLOGICAL ASPECTS OF ADDICTIONS WILL BE DISCUSSED.

COUNS-3383 Introduction to Addictions **3 Credits**
A STUDY OF THE VARIOUS ADDICTIONS IN SOCIETY, INCLUDING ALCOHOL, CHEMICAL DEPENDENCY, GAMBLING AND CO-OCCURRING ABUSE. EMPHASIS WILL BE PLACED ON THE VARIOUS TECHNIQUES AND PHILOSOPHIES UTILIZED IN ADDICTION COUNSELING AND SERVICE DELIVERY. ETHICS, BEST PRACTICES, AS WELL AS VARIOUS PROGRAMS AND SETTINGS WILL BE DISCUSSED.

COUNS-3763 Group Processes and Practice **3 Credits**
A STUDY OF THE NATURE AND PURPOSE OF VARIOUS TYPES OF GROUPS, TECHNIQUES OF GROUP FACILITATION AND DIRECTION, AND THE ROLES OF PARTICIPANT AND LEADER IN VARIOUS PRACTICE SETTINGS. INCLUDES EXPERIENTIAL COMPONENT DESIGNED TO EXPOSE STUDENTS TO GROUP PROCESS. Required Previous: COUNS-2103

COUNS-3763L Group Processes and Practice Lab **0 Credits**
LAB COURSE FOR HURES-3763.

COUNS-3813 Family Systems, Codependency and Addictions **3 Credits**
A STUDY OF THE FAMILY AS A BASIC SOCIAL UNIT AND THE EFFECT THAT ADDICTIONS, INCLUDING ALCOHOL, CHEMICAL, GAMBLING, AND OTHERS, HAS ON THE FAMILY SYSTEM. FAMILY INTERVENTION AND TREATMENT MODALITIES WILL BE EXPLORED.

COUNS-4443 Counseling Services **3 Credits**
THIS COURSE IS THE APPLICATION OF COUNSELING KNOWLEDGE AND TECHNIQUES TO VARIOUS CLIENT GROUPS AND SPECIALIZED SETTINGS. Required Previous: COUNS-2183

COUNS-4453 Intervention Techniques **3 Credits**
THIS COURSE PROVIDES THE KNOWLEDGE OF CRISIS INTERVENTION AS A TREATMENT MODALITY INCLUDING ITS HISTORY, THEORETICAL BASE, AND APPLICATION OF TECHNIQUES IN CRISIS SITUATIONS. Required Previous: COUNS-2183

COUNS-4946 Internship **6 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

COUNS-4981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

COUNS-5043 Clinical Supervision and Administration **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO CONCEPTUAL AND PROFESSIONAL SKILLS IN CLINICAL SUPERVISION AND ADMINISTRATION. STUDENTS WILL LEARN VARIOUS CLINICAL SUPERVISION MODELS, TECHNIQUES, PROCESSES, AND ETHICAL AND LEGAL ISSUES. DIFFERENCES BETWEEN ADMINISTRATIVE AND CLINICAL SUPERVISION WILL BE EXPLORED. EMPHASIS WILL BE PLACED ON THE SUPERVISORY RELATIONSHIP.

COUNS-5103 Counseling Research **3 Credits**
DEVELOPMENT OF SKILLS IN READING, INTERPRETING, USING RESEARCH. EVALUATION OF RESEARCH FOR PRACTICE APPLICATION WILL BE REQUIRED TO PREPARE A RESEARCH PROPOSAL CONSISTENT WITH CURRENT SOCIAL SCIENCE RESEARCH METHODOLOGY TO INCLUDE A RESEARCH QUESTION OR HYPOTHESIS.

COUNS-5123 Grant Proposal Writing **3 Credits**
DEVELOPMENT OF SKILLS REQUIRED TO WRITE AND MANAGE GRANTS FOR HUMAN SERVICES AND RELATED ORGANIZATIONS. THE STUDENT WILL LEARN TO DEVELOP GRANT IDEAS, COMPLETE NARRATIVE INFORMATION, SUBMIT REQUIRED FORMS, AND DEVELOP BUDGETS NECESSARY TO COMPETE FOR FUNDING THROUGH A VARIETY OF FEDERAL, STATE AND PRIVATE ORGANIZATIONS. Required Previous: COUNS-5103

COUNS-5133 Human Sexuality Counseling **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE CLINICAL, SCIENTIFIC, AND PHILOSOPHICAL STUDY OF HUMAN SEXUALITY. IT EXAMINES SEXUALITY IN THE CONTEXT OF CURRENT RESEARCH, CULTURE, AND OPPOSING PERSPECTIVES WITH THE GOAL OF FOSTERING HEALTHY ATTITUDES TOWARD SEXUALITY. IT IS INTENDED PRIMARILY FOR HELPING PROFESSIONALS WHO WORK WITH CLIENTS OR PLAN TO IN THE FUTURE. VARIOUS DEFINITIONS, EXPERIENCES, AND EXPRESSIONS OF SEXUALITY WILL BE EXPLORED AND DEBATED TO ASSIST STUDENTS IN DEVELOPING INDIVIDUAL PERSP

COUNS-5163 Appraisal and Assessment of Individuals, Groups, and Families **3 Credits**
THIS COURSE WILL PROVIDE STUDENTS WITH PRACTICAL KNOWLEDGE ON THE SELECTION, ADMINISTRATION, SCORING AND INTERPRETATION OF ASSESSMENTS USED IN CLINICAL MENTAL HEALTH COUNSELING. STUDENTS WILL ALSO BECOME FAMILIAR WITH THE ASSESSMENT PROCESS INCLUDING BASIC STATISTICAL CONCEPTS.

COUNS-5183 Addictions Theory **3 Credits**
THIS COURSE IS AN EXPLORATION OF THE HISTORICAL AND CONTEMPORARY SUBSTANCE ABUSE COUNSELING THEORIES. IN-DEPTH ATTENTION WILL BE GIVEN TO THE FOLLOWING MODELS: STRENGTHS PERSPECTIVE, MOTIVATIONAL INTERVIEWING, HARM REDUCTION, AND STAGE-OF-CHANGE. ETHICS AND BEST PRACTICES WILL BE DISCUSSED. A CONSUMER-CENTERED APPROACH IS TAKEN IN THE CLASS.

COUNS-5203 Child and Adolescent Counseling **3 Credits**
THE HISTORY AND DEFINITION OF PLAY THERAPY WILL BE PRESENTED AND DISCUSSED. THEORETICAL FOUNDATIONS WILL BE PRESENTED AND DISCUSSED IN DEPTH AS WELL AS THE APPLICATION OF EACH. THE FOLLOWING PLAY THERAPY TECHNIQUES WILL BE DEFINED AND PRESENTED IN CLASS: ART THERAPY, SANDTRAY PLAY, MUTUAL STORYTELLING, PUPPETRY, BOARD GAMES, ROLE PLAY, & BIBLIOTHERAPY. STUDENTS WILL PARTICIPATE IN HANDS ON PLAY THERAPY ACTIVITIES. DISCUSSION OF APPLICATIONS WITH SPECIAL POPULATIONS WILL ALSO BE INCLUDED

COUNS-5213 Diagnosis of Psychiatric & Co-Occurring Disorders **3 Credits**
THE COURSE IS DESIGNED TO PROVIDE INFORMATION CONCERNING MAJOR CATEGORIES OF PSYCHIATRIC IMPAIRMENT. AN OVERVIEW OF PSYCHIATRIC IMPAIRMENTS, DIAGNOSTIC CATEGORIES, AND CO-OCCURRING DISORDERS WILL BE PRESENTED. IMPLICATIONS FOR TREATMENT, WORK, AND INDEPENDENCE WILL BE COMMUNICATED THROUGH THE USE OF CASE STUDIES. STUDENTS WILL LEARN THE APPLICATION AND USE OF THE DSM FOR DIAGNOSIS AND TREATMENT.

COUNS-5243 Foundations of Clinical Mental Health Counseling **3 Credits**
THIS COURSE FOCUSES ON DEVELOPMENT OF SKILLS AND KNOWLEDGE RELATED TO MENTAL HEALTH COUNSELING. EMPHASIS IS PLACED ON THE ROLE AND FUNCTION OF THE COUNSELOR AND THE METHODS AND TECHNIQUES UTILIZED IN THE FIELD OF CLINICAL MENTAL HEALTH COUNSELING. MENTAL HEALTH LEGISLATION, HISTORY, PHILOSOPHY, AND TRENDS IN MENTAL HEALTH COUNSELING ARE PRESENTED. PROFESSIONAL IDENTITY, PROFESSIONAL ORGANIZATIONS, STANDARDS, RELEVANT CREDENTIALS, AND THE IMPORTANCE OF PROFESSIONAL RELATIONSHIPS RELATED TO THE FI

COUNS-5253 Legal & Ethical Aspects of Counseling **3 Credits**
A COURSE DESIGNED TO ASSIST THE STUDENTS IN LEARNING THE METHODS AND PROCEDURES OF DATA MANAGEMENT, CASE COORDINATION, AND WRITING OF INDIVIDUAL CLIENT PROGRAMS. LEGAL AND ETHICAL PRACTICE REQUIREMENTS WILL BE INTEGRATED WITH EACH TOPIC PRESENTED IN THE CLASS. ETHICAL DECISION MAKING MODELS WILL BE PRESENTED.

COUNS-5283 Clinical Psychopharmacology **3 Credits**
THIS COURSE IS AN INTRODUCTION TO PSYCHOACTIVE DRUGS AND THEIR MECHANISMS OF ACTION, EFFECT ON THE HUMAN BODY, COMMON ABUSE, AND CLINICAL USE. SPECIFIC AREAS COVERED INCLUDE THE PHYSICAL, COGNITIVE, EMOTIONAL, AND BEHAVIORAL EFFECTS OF PSYCHOACTIVE DRUGS.

COUNS-5303 Program Evaluation **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO PROGRAM EVALUATION FOR THE HUMAN SERVICE ADMINISTRATOR. BASIC TECHNIQUES NEEDED FOR DETERMINING THE EFFECTIVENESS AND EFFICIENCY OF VARIOUS HUMAN SERVICE PROGRAMS WILL BE COVERED, INCLUDING: NEEDS ASSESSMENT, PROGRAM OUTCOMES AND MANAGEMENT INFORMATION, COST-EFFECTIVENESS ANALYSIS, AND EVALUATION OF INDIRECT SERVICES.

COUNS-5313 Integrated Behavioral Health **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE FUNDAMENTALS AND PRACTICAL APPLICATIONS OF INTEGRATED BEHAVIORAL HEALTH. THIS COURSE EXPLORES MODELS OF COLLABORATION, MEDICAL SPECIALIZATIONS, HEALTHCARE TERMINOLOGY, BEHAVIORAL HEALTH ASSESSMENTS, AND TREATMENT DOCUMENTATION IN INTEGRATED BEHAVIORAL HEALTH SETTINGS.

COUNS-5323 Clinical Assessment **3 Credits**
THIS COURSE WILL EXPAND ON THE KNOWLEDGE GAINED IN COUNS 5163 - APPRAISAL AND ASSESSMENT OF INDIVIDUALS, GROUPS, AND FAMILIES. STUDENTS WILL GAIN PRACTICAL KNOWLEDGE IN THE ADMINISTRATION, SCORING, AND REPORT WRITING SKILLS FOR CLINICAL ASSESSMENTS. INSTRUMENTS COVERED WILL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: ANXIETY, BEHAVIOR, DEPRESSION, INTELLIGENCE, POST-TRAUMATIC STRESS, AND RESILIENCY. Required Previous: Take COUNS-5163

COUNS-5363 Theories of Marriage and Family Counseling **3 Credits**
A SURVEY OF THE MAJOR THEORIES, METHODS, AND TECHNIQUES OF MARRIAGE AND FAMILY COUNSELING WITH AN EMPHASIS ON LEGAL AND ETHICAL ISSUES. COUNSELING CONCERNS OF MULTI-CULTURAL FAMILIES AND PERSONS WITH DISABILITIES WILL ALSO BE ADDRESSED.

COUNS-5493 Counseling Skills **3 Credits**
THIS COURSE INTRODUCES AND PROVIDES FOUNDATIONAL EDUCATION IN CORE COUNSELING SKILLS ACROSS VARIOUS THEORETICAL ORIENTATIONS. SKILLS LEARNED INCLUDE THERAPEUTIC LISTENING AND EMPATHY, CLIENT CONCERN CONCEPTUALIZATION, CRISIS MANAGEMENT, AND REACHING ACROSS CULTURAL DIVIDES. STUDENTS WILL ALSO HAVE OPPORTUNITIES TO LEARN AND APPLY PEER-EVALUATION, SELF-EVALUATION, CRISIS MANAGEMENT, AND SELF-CARE SKILLS. STUDENTS WILL DISCUSS THEORETICAL CONCEPTS, AS WELL AS ETHICAL AND CULTURAL CHALLENGES ARISIN

COUNS-5533 Crisis and Trauma Counseling **3 Credits**
THIS COURSE WILL APPLY THEORY AND BEST PRACTICES TO CRISIS AND TRAUMA COUNSELING, HOW TO ASSIST INDIVIDUALS WHO HAVE EXPERIENCED CRISIS AND TRAUMA SUCH AS NATURAL DISASTERS, VIOLENCE, TERRORISM, OR WAR. PARTICIPANTS WILL EXAMINE MODELS OF CRISIS INTERVENTION, COUNSELING PROTOCOLS, AND RESILIENCY ENHANCEMENT AS WELL AS HOW TO BECOME A COUNSELING LEADER WHEN RESPONDING TO CRISIS.

COUNS-5553 Practicum in Clinical Mental Health Counseling **3 Credits**
SUPERVISED INDIVIDUAL OR GROUP COUNSELING AND COMMUNITY DEVELOPMENT FIELD EXPERIENCES THROUGH PLACEMENT IN AN APPROPRIATE HUMAN SERVICE SETTING, AND/OR SUPERVISED COUNSELING AND GUIDANCE ACTIVITIES IN A LABORATORY SETTING. MAXIMUM NUMBER OF ALLOWABLE HOURS IS DETERMINED BY PROGRAM OPTION CURRICULUM.

COUNS-5603 Human Growth & Development **3 Credits**
THE COURSE WILL FOCUS ON THEORY OF GROWTH AND DEVELOPMENT AS IT APPLIES TO SOCIAL AND CULTURAL GROUPS. FACTORS SUCH AS LIFE-STYLE ADAPTATION, AND LIFE TRANSITIONS WILL BE EXPLORED. THE RELATIONSHIP BETWEEN DEVELOPMENT AND THE COUNSELING RELATIONSHIP WILL BE EMPHASIZED.

COUNS-5613 Counseling Theories **3 Credits**
THIS COURSE IS AN EXPLORATION OF THE HISTORICAL AND CONTEMPORARY COUNSELING THEORIES. IN-DEPTH ATTENTION WILL BE GIVEN TO THOSE THEORIES MOST APPLICABLE TO THE WORK OF THE HUMAN RESOURCES COUNSELOR.

COUNS-5623 Counseling Intervention **3 Credits**
THIS COURSE FOCUSES ON THE DEVELOPMENT, PLANNING, AND IMPLEMENTATION OF APPROPRIATE COUNSELING TECHNIQUES AND INTERVENTIONS. STUDENTS WILL INTEGRATE THEIR KNOWLEDGE OF COUNSELING THEORIES AND DIAGNOSIS TO HELP DETERMINE APPROPRIATE COUNSELING INTERVENTIONS FOR A WIDE VARIETY OF PRESENTING PROBLEMS. Required Previous: COUNS-5213 and COUNS-5613

COUNS-5633 Career Counseling & Theories **3 Credits**
THE PURPOSE OF THIS COURSE IS TO PROVIDE STUDENTS WITH AN UNDERSTANDING OF CAREER THEORIES AND THE ROLE OF THE CAREER COUNSELOR. THE COURSE IS DESIGNED TO EXAMINE THEORIES OF CAREER DEVELOPMENT AND DECISION MAKING, SOURCES OF OCCUPATIONAL INFORMATION AND METHODS OF CAREER COUNSELING, ASSESSMENT AND PROGRAM PLANNING. BOTH THEORY AND THE PRACTICAL APPLICATION OF CAREER COUNSELING WILL BE EXPLORED THROUGH LECTURES, CLASS DISCUSSIONS, READINGS, WRITINGS AND PROJECTS. STUDENTS WILL HAVE THE OPPORTUNI

COUNS-5673 Counseling the Culturally Diverse **3 Credits**
THIS COURSE WILL EXAMINE MULTICULTURAL AND DIVERSE CHARACTERISTICS THAT SHAPE CLIENT AND COUNSELOR IDENTITIES. PARTICIPANTS WILL ACTIVELY PARTICIPATE IN RESEARCH, THEORIES, AND MODELS OF WORKING WITH DIVERSE POPULATIONS. CONTENT WILL COVER MULTICULTURAL COUNSELING COMPETENCIES, HELP-SEEKING BEHAVIORS OF DIVERSE CLIENTS, AND STRATEGIES FOR IDENTIFYING, ELIMINATING, AND ADVOCATING FOR THE REMOVAL OF INTENTIONAL AND UNINTENTIONAL BARRIERS FOR THE CULTURALLY DIVERSE.

COUNS-5713 Group Counseling Theory and Practice **3 Credits**
THEORETICAL FOUNDATIONS OF GROUP COUNSELING AND GROUP WORK ARE EXAMINED. GROUP DYNAMICS AND THERAPEUTIC FACTORS OF GROUP COUNSELING ARE ALSO STUDIED. STUDENTS WILL LEARN EFFECTIVE GROUP LEADERSHIP SKILLS. RELEVANT STRATEGIES FOR PROVIDING GROUP SERVICES TO CULTURALLY AND ETHNICALLY DIVERSE INDIVIDUALS, IN ADDITION TO INDIVIDUALS WITH DISABILITIES, WILL ALSO BE EXPLORED. PARTICIPATION IN A TEN CLOCK HOUR SMALL GROUP DIRECT EXPERIENCE IS REQUIRED. Required Previous: COUNS-5613

COUNS-5763 Integrated Behavioral Health **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE FUNDAMENTALS AND PRACTICAL APPLICATIONS OF INTEGRATED BEHAVIORAL HEALTH. THIS COURSE EXPLORES MODELS OF COLLABORATION, MEDICAL SPECIALIZATIONS, HEALTHCARE TERMINOLOGY, BEHAVIORAL HEALTH ASSESSMENTS, AND TREATMENT DOCUMENTATION IN INTEGRATED BEHAVIORAL HEALTH SETTINGS.

COUNS-5773 Counseling Technology and Telehealth **3 Credits**
THIS COURSE WILL INTRODUCE PARTICIPANTS TO THE USE OF TECHNOLOGY IN COUNSELING. STUDENTS WILL EXPLORE HIPPA COMPLIANT TECHNOLOGY AS WELL AS BECOME FAMILIAR WITH THE LEGAL AND ETHICAL STANDARDS INVOLVED IN COUNSELING USING TELEHEALTH.

COUNS-5943 Internship in Clinical Mental Health Counseling I **3 Credits**
STUDENTS WILL SPEND A MINIMUM OF 600 CLOCK HOURS PROVIDING COUNSELING SERVICES IN A REHABILITATION AGENCY AND/OR CLINICAL MENTAL HEALTH SETTING UNDER THE SUPERVISION OF A CERTIFIED REHABILITATION COUNSELOR AND LICENSED PROFESSIONAL COUNSELOR. STUDENTS WILL ACQUIRE EXPERIENCE IN REHABILITATION, VOCATIONAL, AND MENTAL HEALTH COUNSELING, ASSESSMENT OF MENTAL HEALTH AND FUNCTIONAL CAPACITY, REHABILITATION AND MENTAL HEALTH TREATMENT PLANNING, JOB DEVELOPMENT, JOB PLACEMENT, AND OTHER SIGNIFICANT ACT

COUNS-5953 Internship in Clinical Mental Health Counseling II **3 Credits**
STUDENTS WILL SPEND A MINIMUM OF 600 CLOCK HOURS (DIVIDED AMONG THREE (3) SECTIONS OF INTERNSHIP) PROVIDING COUNSELING SERVICES IN A CLINICAL MENTAL HEALTH SETTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL COUNSELOR. STUDENTS WILL ACQUIRE EXPERIENCE IN MENTAL HEALTH COUNSELING, ASSESSMENT, AND TREATMENT PLANNING. STUDENTS ARE EXPECTED TO ENGAGE IN THE FULL RANGE OF COUNSELING SERVICES.

COUNS-5963 Internship in Clinical Mental Health Counseling III **3 Credits**
STUDENTS WILL SPEND A MINIMUM OF 600 CLOCK HOURS (DIVIDED AMONG THREE (3) SECTIONS OF INTERNSHIP) PROVIDING COUNSELING SERVICES IN A CLINICAL MENTAL HEALTH SETTING UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL COUNSELOR. STUDENTS WILL ACQUIRE EXPERIENCE IN MENTAL HEALTH COUNSELING, ASSESSMENT, AND TREATMENT PLANNING. STUDENTS ARE EXPECTED TO ENGAGE IN THE FULL RANGE OF COUNSELING SERVICES.

COUNS-R5553 Practicum in Clinical Rehabilitation and Clinical Mental Health Counseling **3 Credits**
SUPERVISED INDIVIDUAL AND/OR GROUP REHABILITATION AND CLINICAL MENTAL HEALTH COUNSELING FIELD EXPERIENCES THROUGH PLACEMENT IN AN APPROPRIATE REHABILITATION AND/OR CLINICAL MENTAL HEALTH COUNSELING SETTING (MAY INCLUDE STATE AGENCIES, SHELTER WORKSHOPS, EVALUATION CENTERS, GROUP HOMES, INDEPENDENT LIVING CENTERS, PRIVATE COUNSELING AGENCIES, ETC.) AND/OR SUPERVISED COUNSELING AND GUIDANCE ACTIVITIES IN AN LABORATORY SETTING.

(CPSMA)

CPSMA-2103 Data Structures **3 Credits**
BASIC CONCEPTS OF DATA STRUCTURES, STACKS, QUEUES, TREES, TABLES, HASHING, LISTS, STRINGS, ARRAYS, FILES, AND APPLICATIONS TO VARIOUS AREAS OF COMPUTER SCIENCE. Required Previous: Take CMPSC-1133

CPSMA-3103 Algorithm Analysis **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO THE ANALYSIS OF ALGORITHMS. TOPICS INCLUDE: COMMON ALGORITHMS USED IN PROGRAMMING, SORTING, SEARCHING, GRAPH TRAVERSAL, HASHING, DIVIDE-AND-CONQUER, DYNAMIC PROGRAMMING, GREEDY ALGORITHMS, ALGORITHMIC COMPLEXITY (WORST/AVERAGE/BEST CASE ANALYSIS FOR TIME/SPACE), NP COMPLEXITY, AND NP-COMPLETE PROBLEMS. Required Previous: Take MATH-2825 or MATH-2613

CPSMA-3813 Data Mining **3 Credits**
INTRODUCTION IN KNOWLEDGE DISCOVERY AND DATA MINING, INCLUDING BASIC CONCEPTS OF DATA ANALYSIS IN DATABASES, DISCOVERING PATTERNS IN DATA, KNOWLEDGE INTERPRETATION, AND EXTRACTION. TOPICS INCLUDE MACHINE LEARNING TECHNIQUES SUCH AS ASSOCIATION RULE MINING, CLASSIFICATION, CLUSTERING, PREDICATION, TEXT MINING, AND WEB MINING. Required Previous: CPSMA-2103

CPSMA-3913 Discrete Mathematics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take CMPSC-1113

CPSMA-3933 Operations Research **3 Credits**
A SURVEY OF OPERATIONS RESEARCH TECHNIQUES AS APPLIED TO QUANTITATIVE DECISION MAKING. TOPICS INCLUDE THE LINEAR PROGRAMMING MODEL AND OTHER OPTIMIZATION TECHNIQUES APPLIED TO INVENTORY, TRANSPORTATION, ASSIGNMENT, NETWORK MODELS, PROJECT SCHEDULING, AND SIMULATIONS. Required Previous: Take MATH-2613 or MATH-2825

CPSMA-4313 Data Processing and Visualization **3 Credits**
ADDRESSES FUNDAMENTAL CONCEPTS AND TECHNIQUES IN SUMMARIZING DATA, MANAGING, AND PRESENTING PICTORIAL REPRESENTATIONS OF COMPLEX DATA FOR EFFECTIVE DATA-DRIVEN DECISION MAKING. TOPICS INCLUDE STATE-OF-THE-ART MODELING, DATA CLEANSING, ANALYSIS AND VISUALIZATION TECHNIQUES OF COMPLEX HIGH DIMENSIONAL DATA AS WELL AS PLOTTING AND DATA GRAPHICS SYSTEMS USING VARIOUS TOOLS. Required Previous: CPSMA-2103

CPSMA-4373 Network Science **3 Credits**
PROVIDES AN INTRODUCTION TO NETWORK SCIENCE. MODELING OF SYSTEMS AS NETWORKS, USING GRAPH THEORY, FROM A VARIETY OF DISCIPLINES IS EXPLORED. ANALYSIS ALGORITHMS FOR NETWORKS AND THE CHALLENGES ASSOCIATED WITH APPLYING THEM TO LARGE SCALE NETWORKS ARE PRESENTED. RELATED SOFTWARE FOR NETWORK ANALYSIS IS STUDIED. THE COURSE WILL FOCUS ON THE APPLICATIONS OF COMPLEX NETWORK ANALYSIS TO FIELDS SUCH AS BIOLOGY, CYBER-SECURITY AND SOCIAL NETWORKS. Required Previous or Concurrent: CMPSC-1113 or Departmental Approval

CPSMA-4413 Numerical Methods **3 Credits**
AN INTRODUCTION TO BASIC NUMERICAL ANALYSIS WITH EMPHASIS UPON NUMERICAL METHODS AND ERROR ANALYSIS IN THE STUDY OF SUCH TOPICS AS POWER SERIES, SOLUTIONS OF EQUATIONS AND SYSTEMS OF EQUATIONS, INTEGRATION AND DIFFERENTIATION, CONVERGENCE, AND SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS. Required Previous: Take MATH-3025

CPSMA-4513 Data Applications in Business **3 Credits**
APPLICATIONS OF DATA TECHNIQUES WITH AN EMPHASIS ON REAL-WORLD PROBLEM SOLVING UTILIZING PROBLEMS FROM BUSINESS, INDUSTRY AND GOVERNMENT. TOPICS INCLUDE REGRESSION ANALYSIS, MARKOV CHAINS, ERROR ANALYSIS, MONTE CARLO SIMULATIONS, AND BIG DATA. EMPHASIS WILL BE MADE TO PROFESSIONAL CODING AND PRESENTATIONS.

CPSMA-H3913 Honors-Discrete Mathematic **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

CPSMA-H3933 Honors-Operations Research **3 Credits**
A SURVEY OF OPERATIONS RESEARCH TECHNIQUES AS APPLIED TO QUANTITATIVE DECISION MAKING. TOPICS INCLUDE THE LINEAR PROGRAMMING MODEL AND OTHER OPTIMIZATION TECHNIQUES APPLIED TO INVENTORY, TRANSPORTATION, ASSIGNMENT, NETWORK MODELS, PROJECT SCHEDULING, AND SIMULATIONS.

CPSMA-H4373 Honors-Network Science **3 Credits**
PROVIDES AN INTRODUCTION TO NETWORK SCIENCE. MODELING OF SYSTEMS AS NETWORKS, USING GRAPH THEORY, FROM A VARIETY OF DISCIPLINES IS EXPLORED. ANALYSIS ALGORITHMS FOR NETWORKS AND THE CHALLENGES ASSOCIATED WITH APPLYING THEM TO LARGE SCALE NETWORKS ARE PRESENTED. RELATED SOFTWARE FOR NETWORK ANALYSIS IS STUDIED. THE COURSE WILL FOCUS ON THE APPLICATIONS OF COMPLEX NETWORK ANALYSIS TO FIELDS SUCH AS BIOLOGY, CYBER-SECURITY AND SOCIAL NETWORKS.

CPSMA-H4413 Honors-Numerical Methods **3 Credits**
AN INTRODUCTION TO BASIC NUMERICAL ANALYSIS WITH EMPHASIS UPON NUMERICAL METHODS AND ERROR ANALYSIS IN THE STUDY OF SUCH TOPICS AS POWER SERIES, SOLUTIONS OF EQUATIONS AND SYSTEMS OF EQUATIONS, INTEGRATION AND DIFFERENTIATION, CONVERGENCE, AND SOLUTIONS OF ORDINARY DIFFERENTIAL EQUATIONS.

CPSMA-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(CRJS)

CRJS-2233 Introduction to Criminal Justice **3 Credits**
AN OVERVIEW OF THE CRIMINAL JUSTICE SYSTEM, TO INCLUDE POLICE, COURTS, AND CORRECTIONS AS THEY PERTAIN TO BOTH ADULTS AND JUVENILES. AN UNDERSTANDING OF THE PARTICIPANTS, AND THEIR ROLES, IN ACCOMPLISHING THE MISSIONS OF THE CRIMINAL JUSTICE SYSTEM.

CRJS-2253 Adult Correctional Systems **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING OF THE ADULT CORRECTIONAL SYSTEM, BOTH IN OKLAHOMA AND ON A NATIONWIDE BASIS. THE COURSE WILL PROVIDE THE STUDENT WITH INFORMATION REGARDING THE ENTIRE FIELD OF ADULT CORRECTIONS.

CRJS-2353 Juvenile Justice System **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING OF THE JUVENILE JUSTICE SYSTEM, BOTH IN OKLAHOMA AND ON A NATIONAL BASIS. THE MAJOR AREAS EXPLORED WILL BE DIVERSION AND TREATMENT GOALS.

CRJS-2453 The Police Function **3 Credits**
POLICE SYSTEMS ESTABLISHED IN AMERICA AND ABROAD, FUNCTIONS AND ACTIVITIES, DIVISION AND SUBDIVISIONS WITH RESPONSIBILITIES OF EACH. SPECIAL EMPHASIS IS PLACED ON CONSTITUTIONAL RIGHTS, RULES, PRINCIPLES AND CONCEPTS GOVERNING ARREST, SEARCH, AND SEIZURE.

CRJS-2881 Special Studies in Criminal Justice (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-2882 Special Studies in Criminal Justice (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-2883 Special Studies in Criminal Justice (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-2884 Special Studies in Criminal Justice (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-3013 Introduction to Narcotics Enformcement **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO TOPICS IN NARCOTICS. TOPICS INCLUDE, BUT ARE NOT LIMITED TO, NARCOTICS INVESTIGATION, CURRENT DRUG TRENDS, PATROL LEVEL SURVEILLANCE, AND INTRODUCTORY NARCOTICS IDENTIFICATION.

CRJS-3023 Forensic Investigative Science **3 Credits**
THIS COURSE PROVIDES AN OVERVIEW OF THE PRINCIPLES, TECHNIQUES, AND APPLICATIONS OF FORENSIC SCIENCE. STUDENTS WILL LEARN ABOUT THE ROLE OF FORENSIC SCIENCE IN CRIMINAL INVESTIGATIONS, THE SCIENTIFIC METHODS EMPLOYED, AND THE ETHICAL CONSIDERATIONS INVOLVED.

CRJS-3203 Victimology **3 Credits**
THE PURPOSE OF THIS COURSE IS TO INTRODUCE THE FIELD OF VICTIMOLOGY. AN INTERDISCIPLINARY AND CONTEXTUAL APPROACH WILL BE USED TO EXPLORE CRIMINAL VICTIMIZATION, AND CONSIDER THE ROLE OF INTRAPERSONAL, INTERPERSONAL, FAMILIAL, PEER, COMMUNITY, AND MASS MEDIA INFLUENCES. STUDENTS WILL BE INTRODUCED TO THE DEVELOPMENT OF THE FIELD, THE CRIMINAL JUSTICE SYSTEM'S RESPONSES TO VICTIMIZATION, SUBAREAS OF VICTIMOLOGY, AND POLICY DEVELOPMENT.

CRJS-3333 Criminal Behavior **3 Credits**
A REVIEW OF HISTORICAL AND CURRENT THEORIES REGARDING THE CAUSES OF CRIMINAL BEHAVIOR. STUDY OF THE MAJOR TYPES OF CRIMINAL OFFENDERS.

CRJS-3343 Introduction to Cold Case Investigations **3 Credits**
THIS COURSE PROVIDES AN OVERVIEW OF THE PRINCIPLES, TECHNIQUES, AND CHALLENGES INVOLVED IN INVESTIGATING UNSOLVED CRIMINAL CASES, COMMONLY KNOWN AS COLD CASES. STUDENTS WILL LEARN THE METHODOLOGIES USED TO RE-EXAMINE OLD EVIDENCE, LEVERAGE NEW TECHNOLOGIES, AND APPLY MODERN INVESTIGATIVE STRATEGIES TO CASES THAT HAVE GONE COLD.

CRJS-3353 Introduction to Forensic Science **3 Credits**
THIS COURSE IS AN INTRODUCTORY LOOK AT THE VARIOUS FIELDS OF STUDY AND HOW THEY ARE USED IN MODERN LAW ENFORCEMENT; A BRIEF HISTORY OF FORENSIC SCIENCE IN EUROPE AND THE UNITED STATES; USE OF GEOLOGY, ANTHROPOLOGY, DENTISTRY, PATHOLOGY, PSYCHIATRY, AND MANY OTHER MEDIUMS IN INVESTIGATION.

CRJS-3363 Serial Killing and Violent Crime: Behavioral Analysis **3 Credits**
BEHAVIORAL ANALYSIS OF SERIAL KILLERS AND VIOLENT CRIMINALS INVOLVES STUDYING THEIR PATTERNS OF BEHAVIOR, MOTIVATIONS, AND PSYCHOLOGICAL FACTORS THAT MAY CONTRIBUTE TO THEIR ACTIONS. HERE'S AN OVERVIEW OF SOME KEY ASPECTS: 1. CRIME SCENE ANALYSIS 2. VICTIMOLOGY 3. PSYCHOLOGICAL PROFILING 4. BEHAVIORAL PATTERNS 5. MOTIVATIONAL FACTORS 6. PROFILING

CRJS-3423 Introduction to Law Enforcement **3 Credits**
AN IN-DEPTH STUDY OF OKLAHOMA'S SUBSTANTIVE AND PROCEDURAL CRIMINAL LAWS RELATED TO THE REGULATION OF THE CRIMINAL JUSTICE SYSTEM.

CRJS-3443 Criminal Justice Research Methods **3 Credits**
THIS COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE FUNDAMENTALS OF RESEARCH METHODS USED WITHIN THE FIELD OF CRIMINAL JUSTICE. STUDENTS WILL EXPLORE BOTH QUALITATIVE AND QUANTITATIVE RESEARCH METHODOLOGIES, FOCUSING ON HOW THESE APPROACHES ARE APPLIED TO STUDY CRIME, CRIMINAL BEHAVIOR, AND THE FUNCTIONING OF THE CRIMINAL JUSTICE SYSTEM. TOPICS INCLUDE BASIC RESEARCH DESIGN, DATA COLLECTION TECHNIQUES SUCH AS SURVEYS AND INTERVIEWS, AND AN INTRODUCTION TO STATISTICAL ANALYSIS. BY THE END OF THE

CRJS-3503 Rural Criminology **3 Credits**
RURAL CRIMINOLOGY IS A FIELD WITHIN CRIMINOLOGY THAT ACKNOWLEDGES THE IMPACT OF RURALITY AND COMMUNITY SIZE ON THE INCIDENCE OF CRIME, TYPE OF CRIME, AND RESOURCES TO RESPOND TO CRIME. IN THIS COURSE, CRIMINOLOGICAL THEORY WILL BE APPLIED TO RURAL AREAS TO EXPLAIN HOW SOCIAL, CULTURAL, AND ECONOMIC FORCES INFLUENCE CRIME IN RURAL AREAS OF THE UNITED STATES.

CRJS-3643 Criminal Justice Issues **3 Credits**
FOCUS ON CONTEMPORARY ISSUES CONCERNING THE PHILOSOPHY, MANAGEMENT AND OPERATIONS OF CRIMINAL JUSTICE AGENCIES. THE SCOPE AND DIRECTION OF THIS COURSE IS DETERMINED BY THE INSTRUCTOR.

CRJS-3653 Alternatives to Incarceration **3 Credits**
ALL PUBLIC & PRIVATE RESOURCES ARE REVIEWED PERTAINING TO EFFECTIVELY TREATING THE OFFENDERS' UNACCEPTABLE BEHAVIOR IN THE COMMUNITY RATHER THAN IN PRISON. THE IMPACT OF COMMUNITY TREATMENT CENTERS, GROUP HOMES, & HALFWAY HOUSES ON THE INDIVIDUAL & THE COMMUNITY, THE EFFECTIVENESS OF INDIVIDUAL, GROUP, & FAMILY THERAPIES ON THE OFFENDER ARE EXAMINED.

CRJS-4003 Advanced Search and Seizure **3 Credits**
THIS COURSE PROVIDES AN IN-DEPTH OVERVIEW, ANALYSIS, AND PRACTICE OF THE FOURTH AMENDMENT AND CURRENT SEARCH AND SEIZURE LAW. IN THIS COURSE STUDENTS WILL LEARN TECHNIQUES TO WRITE STRONG WARRANT AFFIDAVITS, TECHNIQUES OF SEARCH WARRANT EXECUTION, AND IMPROVE UPON ANY EXISTING SKILLS IN SEARCH AND SEIZURE.

CRJS-4123 Digital and Multimedia Forensic Evidence **3 Credits**
DIGITAL FORENSICS COURSES PROVIDE THEORETICAL AND PRACTICAL KNOWLEDGE ON IDENTIFYING, COLLECTING, PRESERVING, ANALYZING, AND PRESENTING DIGITAL EVIDENCE FROM VARIOUS DIGITAL DEVICES AND SOURCES. HERE ARE SOME KEY ASPECTS TYPICALLY COVERED IN DIGITAL FORENSICS COURSES: COURSE OVERVIEW . INTRODUCTION TO DIGITAL FORENSICS PRINCIPLES, METHODOLOGIES, AND LEGAL CONSIDERATIONS . UNDERSTANDING THE ROLE OF A DIGITAL FORENSIC EXAMINER AND INVESTIGATOR . FORENSIC ACQUISITION AND PRESERVATION OF DIGITAL

CRJS-4133 Ethics in Forensic Leadership: Advanced Forensic Science **3 Credits**
FOCUSES ON LEADERSHIP DEVELOPMENT FOR MANAGERS OF FORENSIC ORGANIZATIONS, INCLUDING EXAMINATION OF LEADERSHIP AND ETHICS THEORIES, APPLICATION TO THEORIES TO PROBLEMS IN FORENSIC SETTINGS, TASKS AND RELATIONAL SKILLS FOR DEVELOPING EFFECTIVE TEAMS AND GROUPS WITHIN AN ETHICAL FRAMEWORK.

CRJS-4143 Serial Murder **3 Credits**
A SURVEY OF A CRIMINOLOGICAL VIEW OF SERIAL MURDER. THIS COURSE EXAMINES THE EXTENT, CAUSES, AND SOCIAL CHARACTERISTICS OF SERIAL HOMICIDE. WE WILL EXAMINE THEORIES OF CRIME, VICTIMOLOGY, AND DIFFERENT VARIETIES OF SERIAL HOMICIDE. THIS COURSE WILL ANALYZE METHODS LAW ENFORCEMENT USE TO INVESTIGATE SERIAL HOMICIDE.

CRJS-4293 Police Administration **3 Credits**
A COMPARATIVE SURVEY AND ANALYSIS OF ADMINISTRATIVE PHILOSOPHY, PROBLEMS, PROCEDURES, ORGANIZATIONS, CONTEMPORARY HUMAN RESOURCES TRENDS (IE., RECRUITMENT, SELECTION, A.D.A., E.E.O.C., AFFIRMATIVE ACTION, DIVERSITY) FOR EFFECTIVE AGENCY ORGANIZATION. CONSIDERS ADMINISTRATIVE SKILLS RELATING TO OPERATIONS AND PERSONNEL.

CRJS-4333 Criminal Investigation I **3 Credits**
INTRODUCTION TO THE FUNDAMENTALS OF CRIMINAL INVESTIGATION, INCLUDING THEORY AND HISTORY, CONDUCT AT CRIME SCENES, COLLECTION AND PRESERVATION OF EVIDENCE.

CRJS-4343 Criminal Investigation II **3 Credits**
ADVANCED TECHNIQUES IN CRIMINAL INVESTIGATIONS INCLUDING FORENSIC EXAMINATIONS OF CRIME SCENES AND TRACE EVIDENCE. POLICE RESPONSES TO CRIME WILL INCLUDE FINGERPRINT LIFTING AND PRESERVATION OF EVIDENCE, AS WELL AS METHODS OF IDENTIFYING PERPETRATORS.

CRJS-4443 Digital and Multimedia Forensic Evidence **3 Credits**
DIGITAL FORENSICS COURSES PROVIDE THEORETICAL AND PRACTICAL KNOWLEDGE ON IDENTIFYING, COLLECTING, PRESERVING, ANALYZING, AND PRESENTING DIGITAL EVIDENCE FROM VARIOUS DIGITAL DEVICES AND SOURCES. KEY ASPECTS COVERED IN THIS COURSE INCLUDES INTRODUCTION TO DIGITAL FORENSICS PRINCIPLES, METHODOLOGIES, AND LEGAL CONSIDERATIONS, UNDERSTANDING THE ROLE OF A DIGITAL FORENSIC EXAMINER AND INVESTIGATOR, AND FORENSIC ACQUISITION AND PRESERVATION OF DIGITAL EVIDENCE.

CRJS-4473 Legal Aspects of Criminal Justice Process **3 Credits**
AN IN DEPTH STUDY OF THE CONSTITUTIONAL BASIS FOR LAW IN THE U.S. THE COURSE WILL EXAMINE THE RELATIONSHIP OF THE JUDICIAL PROCESS AND CONSTITUTIONAL LAW TO CRIMINAL JUSTICE PRACTICE. SPECIAL EMPHASIS WILL BE PLACED ON CASE DECISIONS.

CRJS-4503 Criminal Justice in Indian Country **3 Credits**
THIS COURSE FOCUSES ON TRIBAL CRIME DATA COLLECTION, CRIME TRENDS, AND OTHER CRITICAL JUSTICE ISSUES IN INDIAN COUNTRY. TOPICS COVERED IN THIS COURSE INCLUDE THE HISTORICAL DEVELOPMENT AND COMPLEXITIES OF LAW ENFORCEMENT AND LEGAL JURISDICTION, VICTIMIZATION, AND LAW ENFORCEMENT IN THE INDIAN COUNTRY.

CRJS-4623 Interrogation Techniques **3 Credits**
THIS COURSE IS IN COMPLIANCE WITH THE COUNCIL ON LAW ENFORCEMENT EDUCATION AND TRAINING (CLEET) REQUIREMENTS, AND IS CONSTRUCTED SPECIFICALLY FOR LAW ENFORCEMENT OFFICERS. THE FOCUS OF THIS COURSE IS TO PREPARE FOR AND TO CONDUCT INTERVIEWS AND INTERROGATIONS INCORPORATING NON-VERBAL KINETICS (BODY LANGUAGE) TECHNIQUES, GRAMMATICAL CLUES TO INDICATE DECEPTION, VERBAL BEHAVIOR ANALYSIS, AND EVASIVE VERBAL RESPONSES DURING INTERVIEWS AND INTERROGATIONS.

CRJS-4941 Internship (Field named in title listing) **1 Credit**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4942 Internship (Field named in title listing) **2 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4944 Internship (Field named in title listing) **4 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4946 Internship (Field named in title listing) **6 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-4981 Seminar in Criminal Justice (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-4982 Seminar in Criminal Justice (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-4983 Seminar in Criminal Justice (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-4984 Seminar in Criminal Justice (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

CRJS-5013 Administration in the Criminal Justice System **3 Credits**
AN OVERVIEW OF CRIMINAL JUSTICE ADMINISTRATION CONCENTRATING PRIMARILY ON ISSUES WHICH ARE UNIQUE TO THE VARIOUS CRIMINAL JUSTICE AREAS. THE CLASS WILL FOCUS ON INTERDEPARTMENTAL AND INTRADEPARTMENTAL FUNCTIONS WITHIN THE CRIMINAL JUSTICE SYSTEM.

CRJS-5113 Political and Legal Aspects of the Criminal Justice System **3 Credits**
THIS COURSE IS DESIGNED TO HELP THE STUDENT UNDERSTAND THE IMPACT OF POLITICAL AND LEGAL DECISIONS ON THE CRIMINAL JUSTICE SYSTEM. EMPHASIS WILL BE PLACED ON THE STUDENT'S UNDERSTANDING OF HOW AGENCIES WITHIN THE CRIMINAL JUSTICE SYSTEM CAN FUNCTION WITHIN A LEGAL POLITICAL CLIMATE.

CRJS-5213 Litigation in the Criminal Justice System **3 Credits**
THE PRIMARY FOCUS OF THIS COURSE WILL BE ON INDIVIDUAL AND AGENCY LIABILITY. THE COURSE WILL INCLUDE ISSUES IN THE SCOPE AND BREADTH OF LIABILITY, CONFINEMENT, AND DISCUSSION OF WAYS TO PROVIDE INDIVIDUAL AND AGENCY PROTECTION FROM LIABILITY.

CRJS-5313 Interrogation/Report Writing **3 Credits**
THE FOCUS OF THIS COURSE IS TO PROVIDE STUDENTS WITH AN UNDERSTANDING OF EFFECTIVE INTERROGATION TECHNIQUES. THE STUDENT WILL BE FAMILIARIZED WITH VARIOUS TYPES OF REPORTS AND DOCUMENTATION NECESSARY IN THE CRIMINAL JUSTICE SYSTEM.

CRJS-5323 Foundations of the Criminal Justice Profession 3 Credits
TO PROVIDE STUDENTS WITH A THOROUGH KNOWLEDGE OF THE CRIMINAL JUSTICE SYSTEM. ALL MAJOR ASPECTS OF CRIMINAL JUSTICE WILL BE COVERED. THE COURSE WILL PROVIDE THE FRAMEWORK FOR ALL OTHER REQUIRED COURSES.

CRJS-5333 Crime Reduction Strategies 3 Credits
THIS COURSE EXAMINES CRIME PREVENTION AS AN ALTERNATIVE TO A REACTIVE CRIMINAL JUSTICE OPERATIONS. IT REVIEWS CURRENT THEORIES OF, AND LEADING RESEARCH ON, THE MAIN APPROACHES TO PREVENTING CRIME, INCLUDING DEVELOPMENTAL, SITUATIONAL, AND COMMUNITY PREVENTION. A SPECIAL FOCUS IS PLACED ON ASSESSING THE EFFECTIVENESS OF PREVENTION PROGRAMS AND POLICIES.

CRJS-5433 Advanced Criminological Theory 3 Credits
EXAMINATION OF CLASSIC AND CONTEMPORARY THEORETICAL EXPLANATIONS OF CRIME FROM MULTIPLE CRIMINOLOGICAL PERSPECTIVES INCLUDING CLASSICAL, BIOLOGICAL, PSYCHOLOGICAL, AND SOCIOLOGICAL THEORIES. ANALYSIS OF CRIME PATTERNS AND CRIME CORRELATES AND SUBSTANTIVE FOCUS ON THE APPLICATION OF SUCH THEORIES TO CRIMINAL JUSTICE AGENCIES, COMMUNITY, AND SOCIETY.

CRJS-5553 Practicum in Criminal Justice 3 Credits
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN DIFFERENT AREAS OF CRIMINAL JUSTICE ADMINISTRATION. THE STUDENT WILL BE DIRECTED TOWARDS THE INTEGRATION AND APPLICATION OF DECISION MAKING, EVALUATION AND SUPERVISORY SKILLS.

CRJS-5981 Seminar in Criminal Justice (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-5982 Seminar in Criminal Justice (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-5983 Seminar in Criminal Justice (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-5984 Seminar in Criminal Justice (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

CRJS-C4946 Internship in Criminal Justice 6 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

CRJS-H2233 Honors-Introduction to Criminal Justice 3 Credits
AN OVERVIEW OF THE CRIMINAL JUSTICE SYSTEM, TO INCLUDE POLICE, COURTS, AND CORRECTIONS AS THEY PERTAIN TO BOTH ADULTS AND JUVENILES. AN UNDERSTANDING OF THE PARTICIPANTS, AND THEIR ROLES, IN ACCOMPLISHING THE MISSIONS OF THE CRIMINAL JUSTICE SYSTEM.

CRJS-H3333 Honors-Criminal Behavior 3 Credits
A REVIEW OF HISTORICAL AND CURRENT THEORIES REGARDING THE CAUSE OF CRIMINAL BEHAVIOR. STUDY OF THE MAJOR TYPES OF CRIMINAL OFFENDERS.

CRJS-H4153 Honors-Juvenile Programs and Settings 3 Credits
A SENIOR LEVEL COURSE DESIGNED TO ENHANCE THE STUDENT'S KNOWLEDGE CONCERNING TREATMENT MODALITIES WITHIN JUVENILE SETTINGS. EMPHASIS WILL BE PLACED ON THE STUDENTS ACQUIRING KNOWLEDGE CONCERNING THE WHOLE REALM OF JUVENILE PROGRAMS AND SEEING HOW EACH FIT WITHIN THE OVERALL STRUCTURE.

CRJS-H4333 Honors-Criminal Investigation I 3 Credits
INTRODUCTION TO THE FUNDAMENTALS OF CRIMINAL INVESTIGATION, INCLUDING THEORY AND HISTORY, CONDUCT AT CRIME SCENES, COLLECTION AND PRESERVATION OF EVIDENCE.

CRJS-H4413 Honors-Correctional Programs and Settings 3 Credits
STUDY OF THE CURRENT MAJOR CORRECTIONAL PROGRAMS BEING UTILIZED TO CHANGE ADULT CRIMINALS' BEHAVIOR. ALSO, HOW THE VARIOUS CORRECTIONAL SETTINGS HAVE A SIGNIFICANT INFLUENCE ON THE EFFECTIVENESS OF THESE PROGRAMS.

CRJS-P4946 Internship- Cops 6 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

(ECON)

ECON-2003 Principles of Macroeconomics 3 Credits
THE FIRST PART OF THE COURSE WILL EXAMINE VARIABLES SUCH AS OUTPUT, UNEMPLOYMENT, AND INFLATION, WHICH ARE IMPORTANT IN EXAMINING HOW THE ECONOMY IS DOING. THEN THE COURSE WILL EXAMINE THE BUSINESS CYCLE: WHY THE ECONOMY MIGHT ENTER A RECESSION, WHAT POLICY OPTIONS THE GOVERNMENT, INCLUDING THE FEDERAL RESERVE, HAS AT ITS DISPOSAL TO AFFECT THE BUSINESS CYCLE. AFTER THIS COURSE, STUDENTS WILL BE BETTER ABLE TO ANALYZE ECONOMIC DISCUSSIONS AND HAVE A BETTER COMPREHENSION OF ECONOMIC EVENTS AS THE

ECON-2013 Principles of Microeconomics 3 Credits
THIS COURSE IS DESIGNED TO INTRODUCE STUDENTS TO BASIC PRINCIPLES OF MICROECONOMICS AND TO DEVELOP AN UNDERSTANDING OF THE BEHAVIOR OF INDIVIDUAL AGENTS AND HOW THEIR ACTIONS MAY BE COORDINATED IN FIRMS AND MARKETS. TOPICS INCLUDE INTERNATIONAL TRADE, SUPPLY AND DEMAND, CONSUMER BEHAVIOR, PRODUCTION, MARKET STRUCTURES, LABOR MARKET AND POVERTY, AND TAXATION. Required Previous: ECON-2003 or departmental approval.

ECON-5103 Economics for Managers **3 Credits**
THIS COURSE PROVIDES AN UNDERSTANDING OF THE ECONOMIC FUNDAMENTALS THAT ARE ESSENTIAL TO THE MANAGERIAL DECISION MAKING PROCESS. STUDENTS WILL DEVELOP AN UNDERSTANDING OF MICROECONOMIC ANALYSIS INCLUDING SUPPLY/DEMAND, ELASTICITY, PRODUCTION AND COST, MARKET STRUCTURE, AND PRICING STRATEGIES. MACROECONOMIC PRINCIPLES INCLUDING MACROECONOMIC STATISTICS, MONETARY AND FISCAL POLICIES, AND INTERNATIONAL FINANCE WILL BE DISCUSSED. BOTH MICROECONOMIC AND MACROECONOMIC PRINCIPLES WILL BE SYNTHESIZED TO

ECON-5143 Applied Economics **3 Credits**
UTILIZES MICROECONOMICS AND MACROECONOMICS CONCEPTS TO FORMULATE BUSINESS DECISIONS UNDER LOCAL, REGIONAL, AND INTERNATIONAL SETTINGS. TOPICS INCLUDE: SUPPLY AND DEMAND ANALYSIS, PRODUCTION THEORY, EVALUATION OF COSTS, PRICES, AND INVESTMENT LEVELS, MARKET STRUCTURE ANALYSIS, INTERNATIONAL ECONOMICS ISSUES, AND THE IMPACT OF NATIONAL MONETARY AND FISCAL POLICIES ON NATIONAL INCOME, INFLATION AND INTEREST RATES. Required Previous: ECON-2013

ECON-5981 Seminar in Economics (subject Named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5982 Seminar in Economics (subject Named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5983 Seminar in Economics (subject Named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5984 Seminar in Economics (subject Named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ECON-5991 Individual Study in Economics (subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-5992 Individual Study in Economics (subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-5993 Individual Study in Economics (subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-5994 Individual Study in Economics (subject named in Title Listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

ECON-H2003 Honors-Principles of Microeconomics **3 Credits**
THE FIRST PART OF THE COURSE WILL EXAMINE VARIABLES SUCH AS OUT PUT, UNEMPLOYMENT, AND INFLATION WHICH ARE IMPORTANT IN EXAMINING HOW THE ECONOMY IS DOING. THEN THE COURSE WILL EXAMINE THE BUSINESS CYCLE: WHY THE ECONOMY MIGHT ENTER A RECESSION, WHAT POLICY OPTIONS THE GOV ERNMENT, INCLUDING THE FEDERAL RESERVE, HAS AT ITS DISPOSAL TO AFFECT THE BUSINESS CYCLE. AFTER THIS COURSE, STUDENTS WILL BE BETTER ABLE TO ANALYZE ECONOMIC DISCUSSIONS AND HAVE A BETTER COMPREHENSION OF ECONOMIC EVENTS AS TH

ECON-S5981 Seminar in Economics (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(EDIS)

EDIS-7003 Applied Dissertation/Capstone I - Prospectus **3 Credits**
THIS COURSE SERVES AS THE INITIAL PHASE OF THE APPLIED DISSERTATION/CAPSTONE PROJECT FOR DOCTORAL CANDIDATES. IT GUIDES STUDENTS THROUGH THE DEVELOPMENT AND REFINEMENT OF THEIR RESEARCH PROSPECTUS, LAYING THE GROUNDWORK FOR THE COMPREHENSIVE RESEARCH STUDY THEY WILL UNDERTAKE. Required Previous or Concurrent: Take EDUC-6053

EDIS-7013 Applied Dissertation-Capstone Ii- Research **3 Credits**
THIS COURSE REPRESENTS THE CULMINATION OF THE DOCTORAL PROGRAM, GUIDING STUDENTS THROUGH THE IMPLEMENTATION PHASE OF THEIR APPLIED DISSERTATION/CAPSTONE PROJECT. IT FOCUSES ON THE RESEARCH OF LITERATURE, METHODS, EXECUTION, DATA COLLECTION TO PRODUCE A COMPREHENSIVE RESEARCH STUDY. Required Previous or Concurrent: Take EDIS-7003

EDIS-7023 Applied Dissertation/Capstone III - Dissertation **3 Credits**
THIS COURSE REPRESENTS THE CULMINATION OF THE DOCTORAL PROGRAM, GUIDING STUDENTS THROUGH THE IMPLEMENTATION PHASE OF THEIR APPLIED DISSERTATION OR CAPSTONE PROJECT. IT FOCUSES ON THE EXECUTION, DATA COLLECTION, ANALYSIS, AND SYNTHESIS OF FINDINGS TO PRODUCE A COMPREHENSIVE RESEARCH STUDY/CAPSTONE PROJECT. Required Previous or Concurrent: Take EDIS-7003

(EDLBS)

EDLBS-4913 Children's Literature **3 Credits**
INTRODUCTION OF A VARIETY OF LITERARY MATERIALS TO UTILIZE AND SUPPORT TEACHING PRE-KINDERGARTEN AND ELEMENTARY-AGE LEARNERS. RESOURCES REPRESENTS DIVERSE DEVELOPMENTAL LEVELS, CULTURAL CONTEXTS, INFORMATION NEEDS, LITERARY MERIT, AND CONCEPTS THAT SUPPORT LEARNER ENGAGEMENT, INTEREST AND INQUIRY.

EDLBS-5333 Administration and Use of Instructional Media **3 Credits**
FAMILIARIZES STUDENTS WITH A BROAD RANGE OF INSTRUCTIONAL MEDIA FOR DESIGNING INSTRUCTION IN PHYSICAL AND VIRTUAL SCHOOL LIBRARY LEARNING ENVIRONMENTS AND WITH PRINCIPLES AND TECHNIQUES RELATED TO THE SELECTION, ADMINISTRATION, AND EVALUATION OF INSTRUCTIONAL MEDIA AND TECHNOLOGY, AS WELL AS DESIGNING A SCHOOL COMMUNITY LEARNING FACILITY.

EDLBS-5913 Advanced Children's Lit **3 Credits**
TYPES OF MATERIALS USED WITH PRE-KINDERGARTEN AND ELEMENTARY-AGE CHILDREN. EVALUATION OF MATERIALS ACCORDING TO LITERARY VALUE AND AGE PLACEMENTS.

EDLBS-H4913 Honors-Children's Literature **3 Credits**
INTRODUCTION OF A VARIETY OF LITERARY MATERIALS TO UTILIZE AND SUPPORT TEACHING PRE-KINDERGARTEN AND ELEMENTARY-AGE LEARNERS. RESOURCES REPRESENTS DIVERSE DEVELOPMENTAL LEVELS, CULTURAL CONTEXTS, INFORMATION NEEDS, LITERARY MERIT, AND CONCEPTS THAT SUPPORT LEARNER ENGAGEMENT, INTEREST AND INQUIRY.

EDLBS-S5981 Seminar in Edlbs **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(EDMA)

EDMA-5243 Assessment and Treatment of Mathematics Difficulties **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL UNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE WILL EXAMINE DIFFICULTIES STUDENTS HAVE WITH ACQUISITION OF TYPICAL ARITHMETIC SKILLS. THE FOCUS WILL BE ON DIAGNOSING AND DETERMINING INTERVENTIONS FOR AT RISK STUDENTS (I.E., STUDENTS WITH DYSCALCULIA AND/OR OTHER MATHEMATICS-RELA

EDMA-5663 Mathematics Leadership and Mentoring **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE WILL PROVIDE STUDENTS WITH THE MOST CURRENT UNDERSTANDING OF MATHEMATICS CONSULTATION AND MENTORING. TOPICS WILL INCLUDE LEADERSHIP FOR SCHOOL MATHEMATICS PROGRAMS, COLLABORATION WITH TEACHERS AND OTHER PROFESSIONALS, DATA ANALYSIS

EDMA-5713 Number Concepts and Operations-Pedagogy In Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF NUMBER CONCEPTS AND OPERATIONS AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN NUMBER CONCEPTS AND OPERA

EDMA-5723 Geometry and Measurement-Pedagogy in Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF GEOMETRIC IDEAS AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN GEOMETRICAL REASONING. SPECIAL ATTENTION

EDMA-5733 Data Analysis and Probability-Pedagogy In Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL. THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF DATA ANALYSIS AND PROBABILITY AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN DATA ANALYSIS AND PROBABIL

EDMA-5743 Algebra and Functions-Pedagogy in Mathematics **3 Credits**
PREREQ: VALID TEACHER CERTIFICATION IN ELEMENTARY EDUCATION AND/OR EARLY CHILDHOOD EDUCATION AND TWO YEARS OF FULL-TIME TEACHING EXPERIENCE IN GRADES PRE-KINDERGARTEN THROUGH GRADE 5 AT AN ACCREDITED SCHOOL LUNDER A VALID STATE ISSUED TEACHER CREDENTIAL.THIS COURSE IS DESIGNED FOR EDUCATORS TO DEEPEN THEIR CONCEPTUAL AND PROCEDURAL UNDERSTANDINGS OF ALGEBRAIC IDEAS AS WELL AS STRENGTHEN THEIR PEDAGOGICAL KNOWLEDGE OF HOW K-12 STUDENTS DEVELOP FLUENCY IN ALGEBRAIC REASONING. SPECIAL ATTENTION WI

EDMA-S5981 Seminar in Edma **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(EDPSY)

EDPSY-3513 Educational Psychology **3 Credits**
CANDIDATES WILL APPLY PSYCHOLOGICAL THEORIES TO CLASSROOM PRACTICE. PRIMARY COURSE TOPICS INCLUDE CHILD DEVELOPMENTAL NEEDS, METHODS OF VARIED ASSESSMENT AND MEANS TO CREATE A PRODUCTIVE LEARNING ENVIRONMENT WITHIN THE CLASSROOM. CANDIDATES IN THIS COURSE WILL ALSO LEARN EFFECTIVE CLASSROOM MANAGEMENT STRATEGIES AND VARIED MOTIVATIONAL STRATEGIES TO ENSURE DEVELOPMENTAL NEEDS OF STUDENTS ARE EFFECTIVELY MET. Required Previous or Concurrent: EDUC-3001 and admitted to the Teacher Education program.

EDPSY-5143 Introduction to School Psychological Services **3 Credits**
EXPLORES THE ROLE AND FUNCTION OF SCHOOL PSYCHOMETRISTS AND SCHOOL PSYCHOLOGISTS, INCLUDING PROFESSIONAL ETHICS, LEGAL IMPLICATIONS, REFERRAL SOURCES, ASSESSMENT AND PLACEMENT, CONSULTATION, INTERVENTION STRATEGIES, AND PROFESSIONAL AFFILIATIONS.

EDPSY-5153 Family School Collaboration and Consultation **3 Credits**
THIS COURSE FOCUSES ON EMPIRICALLY-SUPPORTED, SCHOOL AND FAMILY-IMPLEMENTED INTERVENTIONS FOR CHILDREN AND ADOLESCENTS ADDRESSING A VARIETY OF HOME AND SCHOOL PROBLEMS WITHIN THE DISCIPLINE OF SCHOOL PSYCHOLOGY. EFFECTIVE METHODS OF CONSULTATION WITH SCHOOL AND FAMILY STAKEHOLDERS WILL BE PRIMARY FOCUS. Required Previous or Concurrent: Take PSYCH-5363

EDPSY-5163 Cognitive Behavioral Theories and Methods of Counseling and Psychotherapy 3 Credits
EXPLORATION & EXAM OF THEORIES & TECHNIQUES UTILIZED WHEN FUNCTIONING AS A COUNSELOR OR THERAPIST WITHIN A COGNITIVE AND/OR BEHAVIORAL CONCEPTUAL FRAMEWORK. PERSONALITY & BEHAVIOR CHANGE IS CONSIDERED WITHIN THE FRAMEWORK OF A COGNITIVE AND/OR BEHAVIORAL PERSPECTIVE. INCLUDED ARE THEORIES & TECHNIQUES SUCH AS RATIONAL-EMOTIVE THERAPY, BECK'S COGNITIVE THERAPY, COGNITIVE-BEHAVIOR MODIFICATION, SOCIAL LEARNING THEORY AND MILIEU THERAPY, AND VARIOUS APPROACHES BASED UPON OPERANT AND CLASSICAL COND

EDPSY-5353 Standardized Group Tests 3 Credits
THEORETICAL RATIONALE UNDERLYING THE USE OF EDUCATIONAL AND PSYCHOLOGICAL TESTS FOR THE DESCRIPTION, EVALUATION, PREDICTION, AND GUIDANCE OF BEHAVIOR: EMPHASIZING THOSE TESTS USED IN SCHOOLS FOR THE EVALUATION OF ACADEMIC AREAS, AS WELL AS THOSE USED IN SUCH SETTINGS AS GUIDANCE CENTERS AND EMPLOYMENT AGENCIES.

EDPSY-5363 Life-Span Career Development 3 Credits
THIS COURSE EXAMINES CAREER PLANNING, INTERRELATIONSHIPS IN THE WORKPLACE, AND THEORIES OF CAREER DEVELOPMENT IN THE COUNSELING/PSYCHOLOGY FIELD. IT INCLUDES A VARIETY OF TRAINING EXPERIENCES DESIGNED TO PREPARE SCHOOL COUNSELORS AND OTHER COUNSELING AND PSYCHOLOGICAL SERVICES PROFESSIONALS FOR THE FIELD OF WORK. TECHNIQUES FOR ASSESSMENT OF CAREER APTITUDES, INTERESTS, VALUES, AND PERSONALITY PROVIDE AN OPPORTUNITY FOR IN-DEPTH SELF-STUDY. IT INCLUDES A FOCUS ON ETHICAL AND MULTICULTURAL PRACTI

EDPSY-5373 Personality Assessment for Children 3 Credits
THE STUDY OF METHODS AND TECHNIQUES FOR ASSESSING CHILDREN'S BEHAVIOR AND THEIR SOCIAL AND EMOTIONAL DEVELOPMENT. THE COURSE WILL INCLUDE FORMAL AND INFORMAL METHODS OF ASSESSING BOTH INTERNALIZING AND EXTERNALIZING PROBLEMS. OBJECTIVE AND PROJECTIVE METHODS WILL BE STUDIED. STUDENTS WILL BE PREPARED TO WORK IN BOTH EDUCATIONAL AND CLINICAL SETTINGS. Required Previous: EDPSY-5353 or PSYCH-4213

EDPSY-5403 Non-Traditional Assessment 3 Credits
A STUDY OF ALTERNATIVE METHODS OF CHILD ASSESSMENT INCLUDING FUNCTIONAL BEHAVIOR ASSESSMENT, STANDARDIZED CURRICULUM-BASED MEASUREMENTS, SUCH AS THE DYNAMIC INDICATORS OF BASIC EARLY LITERACY SKILLS (DIBELS), AND RESPONSE TO INTERVENTION MODELS OF ASSESSMENT. THE PRIMARY FOCUS OF THIS COURSE IS LEARNING ASSESSMENT TECHNIQUES THAT DIRECTLY INFORM INTERVENTION. THE COURSE WILL INCLUDE DISCUSSION ABOUT USING SUCH TECHNIQUES TO MEET FEDERAL REQUIREMENTS FOR SPECIAL EDUCATION ELIGIBILITY. Required Previous: EDPSY-5353

EDPSY-5433 Affective Theories and Techniques of Counseling and Psychotherapy 3 Credits
EXPLORATION AND EXAMINATION OF THEORIES AND TECHNIQUES UTILIZED WHEN FUNCTIONING AS A COUNSELOR OR THERAPIST WITHIN AN AFFECTIVE CONCEPTUAL FRAMEWORK. PERSONALITY AND BEHAVIOR CHANGE IS CONSIDERED WITHIN THE FRAMEWORK AT AN AFFECTIVE PERSPECTIVE. INCLUDED ARE THEORIES AND TECHNIQUES SUCH AS CLIENT-CENTERED THERAPY, GESTALT THERAPY, EXISTENTIALTHERAPY, PSYCHO-ANALYTIC THERAPY, AND REALITY THERAPY. Required Previous: EDPSY-5163

EDPSY-5493 Practicum in School Psychology 3 Credits
THE STUDENT WILL SPEND A MINIMUM OF 150 HOURS IN AN APPROPRIATE SETTING UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOLOGIST OR A LICENSED PSYCHOLOGIST. Required Previous: EDPSY-5163

EDPSY-5553 Practicum in Counseling 3 Credits
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN SUPERVISED PRACTICAL EXPERIENCE IN PROFESSIONALLY APPROPRIATE COUNSELING AND PSYCHOLOGICAL ACTIVITIES AT A FACILITY ENGAGED IN FURNISHING PSYCHOLOGICAL, MEDICAL, REHABILITATIVE, COUNSELING, OR OTHER SOCIALLY RELEVANT HUMAN SERVICES TO A CLIENT POPULATION. STUDENTS WILL DEVELOP AND REFINE COMPETENCIES IN THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES AND SKILLS IN ORDER TO FUNCTION EFFECTIVELY AS PROVIDERS OF COUNSELING AND PSYCHOLOGICAL SERVICE Required Previous: EDPSY-5433

EDPSY-5593 Internship in School Psychology I 3 Credits
THE INTERN WILL SPEND A MINIMUM OF 600 CLOCK HOURS UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOLOGIST OR LICENSED PSYCHOLOGIST. THE INTERNSHIP IS A 2 SEMESTER EXPERIENCE WHICH EARNS 3 CREDIT HOURS A SEMESTER. STUDENT WILL ENROLL IN EDPSY 5613 INTERNSHIP II AFTER EDPSY 5593 INTERNSHIP I HAS BEEN COMPLETED FOR THE REMAINDER OF THE INTERNSHIP EXPERIENCE. Required Previous: EDPSY-5493

EDPSY-5613 Internship in School Psychology II 3 Credits
THE INTERN WILL SPEND A MINIMUM OF 600 CLOCK HOURS UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOLOGIST OR LICENSED PSYCHOLOGIST. THIS COURSE IS THE SECOND PART OF A TWO-SEMESTER EXPERIENCE. THE STUDENT WILL HAVE COMPLETED EDPSY 5593 INTERNSHIP I BEFORE ENROLLING IN EDPSY 5613 INTERNSHIP II. Required Previous: EDPSY-5593

EDPSY-5693 Practicum in School Psychometry 3 Credits
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN AN APPROPRIATE SETTING UNDER THE SUPERVISION OF A CREDENTIALED SCHOOL PSYCHOMETRIST OR A LICENSED PSYCHOLOGIST. Required Previous: EDPSY-5143

EDPSY-5961 Special Study in EDPSY 1 Credit
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION. GRADING IS P OR F.

EDPSY-5962 Special Study in EDPSY 2 Credits
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION. GRADING IS P OR F.

(EDUC)

EDUC-0111 Developmental Reading 1 Credit
THROUGH DIAGNOSTIC PROCEDURES AN INDIVIDUALIZED READING IMPROVEMENT PROGRAM WILL BE DEVELOPED. THE INDIVIDUALIZED DIAGNOSTIC PROFILE WILL FOCUS UPON VOCABULARY AND READING COMPREHENSION IMPROVEMENT. THIS COURSE DOES NOT COUNT FOR DEGREE CREDIT. GRADING IS P OR F.

EDUC-1113 Reading Improvement I **3 Credits**
THIS COURSE IS DESIGNED TO ASSIST THE STUDENT IN THE ACQUISITION OF A LARGER SIGHT VOCABULARY AND MORE FUNCTIONAL WORD ATTACK TECHNIQUES. THERE WILL BE DIAGNOSTIC PROCEDURES FOLLOWED BY AN INDIVIDUALIZED PROGRAM IN ORDER TO MAXIMIZE THE IMPROVEMENT OF VARIOUS WEAKNESSES. COMPREHENSION WILL BE STRESSED AS SUGGESTIONS ARE MADE TO IMPROVE SPEED.

EDUC-2012 Diversity in American Education **2 Credits**
HISTORICAL AND PHILOSOPHICAL FOUNDATIONS OF MULTICULTURALISM AND DIVERSITY, WITH PRACTICAL APPLICATION OF CULTURALLY RESPONSIVE PEDAGOGY IN AMERICAN EDUCATION. ELEMENTS OF OVERALL PROFESSIONALISM AND THE TEACHING PROFESSION. Required Previous or Concurrent: EDUC-2211

EDUC-2211 Field Experience I **1 Credit**
A 25 CLOCK HOUR LABORATORY EXPERIENCE IN WHICH POTENTIAL TEACHER CANDIDATES OBSERVE IN ELEMENTARY, MIDDLE/JUNIOR HIGH, AND HIGH SCHOOLS TO ACQUIRE A MORE MATURE PERSPECTIVE OF THE STAGES OF DEVELOPMENT OF STUDENTS AND THE ROLES OF TEACHER AND OTHER PROFESSIONALS. Required Previous or Concurrent: EDUC-2012

EDUC-2402 Survey of Exceptional Children **2 Credits**
AN INTRODUCTION TO INTELLECTUAL, BEHAVIORAL, SENSORY, PHYSICAL, AND LEARNING DEVELOPMENT OF SPECIAL NEEDS STUDENTS WITHIN THE GENERAL EDUCATION CLASSROOM. STUDENTS WILL GAIN UNDERSTANDING OF THE IMPACT DEVELOPMENTAL NEEDS OF LEARNERS IN A DIVERSE CLASSROOM ENVIRONMENT. STUDENTS WILL GAIN UNDERSTANDING OF BOTH STATE AND FEDERAL REGULATIONS WHICH IMPACT STUDENTS WITH EXCEPTIONALITIES. A MINIMUM OF FIFTEEN HOURS INTERACTION WITH INDIVIDUALS WHO HAVE DISABILITIES IS REQUIRED IN THIS COURSE.

EDUC-2453 Reading Improvement II **3 Credits**
A COURSE FOR STUDENTS WHO WISH TO IMPROVE VOCABULARY, COMPREHENSION AND READING RATE. CONTENT VOCABULARY WILL BE EMPHASIZED ALONG WITH SUGGESTIONS FOR IMPROVEMENT OF THE STUDY SKILLS. A READING DIAGNOSIS WILL BE FOLLOWED BY AN INSTRUCTIONAL PROGRAM IN ORDER TO INSURE OPTIMUM INDIVIDUAL PROGRESS.

EDUC-2631 Foundations of Education Technology **1 Credit**
THIS COURSE IS DESIGNED TO PREPARE TEACHER CANDIDATES WITH HANDS-ON OPPORTUNITIES TO USE PRODUCTIVITY TOOLS FOR ENHANCEMENT OF DIGITAL LITERACY COMMUNICATION IN THEIR FUTURE CLASSROOM. THERE WILL BE A FOCUS ON INTRODUCING A VARIETY OF EDUCATIONAL APPLICATIONS OF TECHNOLOGY. Required Previous: Completed 36 hours of coursework.

EDUC-2881 Special Studies in Education **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-2882 Special Studies in Education **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-2883 Special Studies in Education **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-2884 Special Studies in Education **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-3001 Field Experience II **1 Credit**
TWENTY-FIVE HOURS OF PUBLIC SCHOOL CLASSROOM AND TEACHING LABORATORY EXPERIENCES RELATED TO TEACHER PREPARATION IN GENERAL AND SPECIFICALLY TO THOSE TOPICS COVERED IN EDPSY 3513 EDUCATIONAL PSYCHOLOGY. Required Previous or Concurrent: EDPSY-3513

EDUC-3013 Methods of Emergent Literacy **3 Credits**
TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED ABOUT FOUNDATIONAL READING AND WRITING THEORIES TO INCORPORATE FOUNDATIONAL COMMUNICATION AND READING SKILLS NECESSARY TO PROMOTE EARLY LITERACY DEVELOPMENT. CANDIDATES WILL DEVELOP COMPETENCY AND APPLY KNOWLEDGE OF THE COMPONENTS OF EMERGENT LITERACY AND THE SCIENCE OF READING, INCLUDING ORAL LANGUAGE DEVELOPMENT, DECODING, FLUENCY DEVELOPMENT AND WRITING AND SPELLING STRATEGIES TO PLAN FOCUSED, INTENSIVE INSTRUCTION TO MEET THE DI Required Previous: Take EDUC-3463 with a grade of C or higher

EDUC-3033 Socialization and Guidance of Young Children **3 Credits**
STUDY OF THEORY, PRINCIPLES, AND METHODS USED TO PROVIDE GUIDANCE AND SUPPORT IN THE INTERACTIONS, COMMUNICATIONS, AND RELATIONSHIPS WITH YOUNG CHILDREN AND THEIR FAMILIES, AND TO DEVELOP KNOWLEDGE OF ADVOCACY AND COLLABORATION FOR YOUNG CHILDREN IN THE EARLY CHILDHOOD FIELD WITH COMMUNITY RESOURCES INCLUDING FAMILIES WITH AN UNDERSTANDING AND DEMONSTRATION OF POSITIVE, CARING, SUPPORTIVE RELATIONSHIPS AND INTERACTIONS AND VALUE OF A CHILD AS AN INDIVIDUAL. UTILIZE PROFESSIONAL RESOURCES AND GUI Required Previous: Take PSYCH-3463

EDUC-3043 Education, Development, and Observation Of the Young Child **3 Credits**
STUDY OF COGNITIVE, LITERACY, LANGUAGE, PSYCHO/SOCIAL, AND PHYSICAL/MOTOR DEVELOPMENT OF YOUNG CHILDREN AND HOW THEY LEARN IN MULTIPLE CONTEXTS INCLUDING PLAY AND EXECUTIVE FUNCTION SKILLS. EXAMINATION OF THE ROLE OF THE EARLY CHILDHOOD EDUCATOR IN APPLYING AND USING THAT KNOWLEDGE TO TEACHING PRACTICES AND PROVIDING CURRICULUM THAT SUPPORT THE LEARNING OF YOUNG CHILDREN THROUGH INTENTIONAL AND REFLECTIVE PRACTICES INCLUDING PEDAGOGICAL CONTENT THROUGH ASSESSMENTS THAT ARE ETHICALLY GROUNDED AND Required Previous: PSYCH-3463

EDUC-3333 Methods in Creative Arts for Young Children **3 Credits**
STUDY AND APPLICATION OF DEVELOPMENTALLY APPROPRIATE SYNTHESIZED CREATIVE ARTS EXPERIENCES THROUGH THE INTEGRATION OF INSTRUCTIONAL CONTENT AND METHODS ASSOCIATED WITH PLAY, MOVEMENT, MUSIC/RHYTHMIC, AND VISUAL ARTS EXPLORATION THAT ALLOWS FOR INDIVIDUAL VARIATIONS OF EXPRESSION FOR EARLY CHILDHOOD AND ELEMENTARY-AGE LEARNERS AS WELL AS DEVELOPMENT OF EXECUTIVE FUNCTION SKILLS.

EDUC-3413 Methods in Elementary Language Arts 3 Credits
METHODS AND TECHNIQUES OF TEACHING DEVELOPMENT OF SKILLS IN LISTENING, SPEAKING, WRITING AND SPELLING IN THE ELEMENTARY GRADES.

EDUC-3463 Foundations of Reading 3 Credits
STUDENTS WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED FROM FOUNDATIONAL READING THEORIES INCLUDING READING DEVELOPMENT THROUGH PROCESSES OF EMERGENT READING INCLUDING THE COMPONENTS OF THE SCIENCE OF READING. ALSO INCLUDES LEARNING AND APPLICATION OF FOUNDATIONAL EMERGENT WRITING STAGES OF PRELITERATE, EMERGENT, TRANSITIONAL TO FLUENT.

EDUC-3483 Methods of Reading 3 Credits
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO TEACH THE ELEMENTARY TRANSITION FROM LEARNING TO READ TO READING TO LEARN. THIS COURSE COVERS ALL ELEMENTARY GRADES, BUT WILL FOCUS ON STUDENTS IN GRADES 3-6. INSTRUCTIONAL STRATEGIES AND LEARNING ACTIVITIES CENTER ON USING READING STRATEGIES ACROSS THE CURRICULUM TO ENHANCE LEARNING, THE RECIPROCAL PROCESS OF READING AND WRITING INSTRUCTION, VOCABULARY DEVELOPMENT, FLUENCY, AND COMPREHENSION INSTRUCTION INFLUENCED BY THE SCIENCE OF READ Required Previous: EDUC-3463; Admission to Teacher Education

EDUC-3493 Reading Assessment for Instruction 3 Credits
TEACHER CANDIDATES WILL ADMINISTER FORMATIVE AND SUMMATIVE ASSESSMENTS ASSOCIATED WITH THE COMPONENTS OF THE SCIENCE OF READING TO BOTH DETERMINE AND ENHANCE THE DIVERSE READING DEVELOPMENTAL NEEDS OF EARLY CHILDHOOD AND ELEMENTARY STUDENTS. CANDIDATES WILL UTILIZE ASSESSMENT DATA TO INFORM, MONITOR, AND PLAN DIFFERENTIATED FOCUSED AND INTENSIVE READING INSTRUCTION FOR BOTH SMALL GROUP AND INDIVIDUAL LEARNING TO ENHANCE THE DIVERSE NEEDS OF STRUGGLING READERS IN THE EARLY CHILDHOOD AND ELEMENTAR Required Previous: EDUC-3463

EDUC-3503 Methods in Elementary Mathematics- Primary 3 Credits
APPLY MAJOR MATHEMATICS PRACTICES AND PROCESSES THROUGH PLANNING INSTRUCTIONAL STRATEGIES AND ENGAGING LEARNING ACTIVITIES TO CREATE CONNECTIONS BETWEEN MATHEMATICAL PRACTICES AND APPROPRIATE MATH CONTENT/CONCEPTS TO MEET THE MATHEMATICAL LEARNING NEEDS OF PK THROUGH 3RD GRADE STUDENT POPULATIONS. TEACHER CANDIDATES WILL ALSO APPLY SUMMATIVE AND FORMATIVE ASSESSMENT TECHNIQUES TO MONITOR STUDENT LEARNING AND TO GUIDE INSTRUCTIONAL PRACTICES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTURALLY AND LI

EDUC-3513 Methods in Elementary Mathematics- Intermediate 3 Credits
DEVELOPMENT OF IDEAS AND TECHNIQUES RELATED TO TEACHING MATHEMATICAL CONCEPTS AND SKILLS WITH EMPHASIS ON THE INTERMEDIATE GRADE LEVEL. VARIETY OF LEARNING AIDS WITH EMPHASIS ON DETAILED UNDERSTANDING OF MATHEMATICAL OPERATIONS.

EDUC-3603 Science and Social Studies for Early Childhood 3 Credits
FOCUSES ON DEVELOPING APPROPRIATE EXPERIENCES IN SCIENCE AND SOCIAL STUDIES FOR YOUNG CHILDREN THAT INSPIRE INQUIRY AND ENGAGEMENT. EMPHASIZES PRACTICES AND STRATEGIES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTURALLY RELEVANT, AND ALLOW FOR A VARIETY OF EXPERIENCES BASED ON INDIVIDUAL NEEDS AND ABILITY.

EDUC-3613 Methods in Elementary Natural Science 3 Credits
DEMONSTRATION AND APPLICATION IN DEVELOPING TEACHING METHODS WITHIN PHYSICAL SCIENCE, LIFE SCIENCE, EARTH AND SPACE SCIENCE, AND ENGINEERING DESIGN USING THE THREE DIMENSIONS: 1) SCIENCE AND ENGINEERING PRACTICES, 2) CROSS-CUTTING CONCEPTS, AND 3) DISCIPLINARY CORE IDEAS. STUDENTS PLAN INSTRUCTION INCLUDING GOALS, MATERIALS, LEARNING ACTIVITIES AND ASSESSMENTS FOR DIVERSE STUDENT POPULATIONS, INCLUDING VARIOUS INSTRUCTIONAL PRACTICES AND DIFFERENTIATION. CLASS ACTIVITIES UTILIZE PROFESSIONAL LEA

EDUC-3713 Methods in Elementary Social Studies 3 Credits
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO USE MATERIALS AND UNDERSTAND THE PROCEDURES FOR TEACHING HISTORY, CIVICS, GEOGRAPHY SKILLS, CURRENT EVENTS, EARLY ECONOMICS AND ANTHROPOLOGY CONCEPTS. SPECIAL EMPHASIS WILL BE PLACED ON USING LITERACY STRATEGIES IN ORDER TO CONVEY SOCIAL STUDIES CONTENT AND USING THE INQUIRY PROCESS AND HANDS-ON ACTIVITIES TO FACILITATE DIVERSE ELEMENTARY STUDENT LEARNING.

EDUC-3753 Methods in Early Childhood Education 3 Credits
TEACHER CANDIDATES WILL PLAN LEARNING ACTIVITIES TO DEMONSTRATE THEIR UNDERSTANDING OF THE DIVERSE FACTORS CONCERNING THE GROWTH, DEVELOPMENT AND LEARNING OF CHILDREN IN EARLY CHILDHOOD EDUCATION. CURRICULUM FOCUS WILL BE CENTERED UPON AGE AND DEVELOPMENTALLY APPROPRIATE CURRICULAR CONTENT AND TEACHING MATERIALS FOR YOUNG CHILDREN. TEACHER CANDIDATES WILL APPLY KNOWLEDGE OF BUILDING RELATIONSHIPS WITH FAMILIES TO GAIN INSIGHT TO THE VARIOUS LEARNING AND DEVELOPMENTAL NEEDS OF CHILDREN.

EDUC-3812 Policy and Procedures in Special Education 2 Credits
THIS COURSE WILL EXAMINE FEDERAL AND STATE SPECIAL EDUCATION LEGISLATION, REGULATIONS, POLICY, AND PROCEDURE. EMPHASIS WILL BE GIVEN TO RIGHTS OF INDIVIDUALS WITH DISABILITIES AND THEIR FAMILIES.

EDUC-3823 Introduction to Students With Mild Disabilities 3 Credits
THIS COURSE WILL EXPLORE THE PHILOSOPHICAL AND HISTORICAL FOUNDATIONS OF SPECIAL EDUCATION FOR STUDENTS WITH MILD DISABILITIES, CHARACTERISTICS OF STUDENTS WITH MILD DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES IN THE FIELD OF SPECIAL EDUCATION.

EDUC-3833 Introduction to Students With Moderate Disabilities 3 Credits
THIS COURSE WILL EXPLORE THE PHILOSOPHICAL AND HISTORICAL FOUNDATIONS OF SPECIAL EDUCATION FOR STUDENTS WITH MODERATE DISABILITIES, CHARACTERISTICS OF STUDENTS WITH MODERATE DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES IN THE FIELD OF SPECIAL EDUCATION.

EDUC-4013 Practical Strategies and Idea for Behavior Disorders 3 Credits
THIS COURSE WILL EXPLORE CHARACTERISTICS AND IDEA PROCEDURES FOR IDENTIFYING STUDENTS WITH BEHAVIOR DISORDERS IN EDUCATIONAL SETTINGS. THIS COURSE WILL ALSO PREPARE THOSE WORKING WITH STUDENTS TO MANAGE BEHAVIOR IN SPECIAL AND GENERAL EDUCATION CLASSROOMS. PRACTICAL STRATEGIES AND INTERVENTIONS FOR INCREASING APPROPRIATE BEHAVIORS AND DECREASING INAPPROPRIATE BEHAVIORS WILL BE DISCUSSED. DISCIPLINE REGULATIONS OF IDEA INCLUDING MANIFESTATION DETERMINATION, ALTERNATIVE PLACEMENT, AND IEP'S WILL B

EDUC-4033 Microcomputers in Education **3 Credits**
DESIGNED FOR EDUCATORS WITH MINIMAL EXPERIENCE USING COMPUTERS. STUDENTS WILL PARTICIPATE IN GUIDED EVALUATION OF SOFTWARE, AND PLAN FOR IMPLEMENTATION OF COMPUTER ASSISTED LEARNING ACTIVITIES IN THE CLASSROOM.

EDUC-4042 Strategies for Effective Teaching in Elementary and Early Childhood Education **2 Credits**
TEACHER CANDIDATES DEVELOP LESSON PLANS, INSTRUCTIONAL OBJECTIVES, AND EVALUATION TECHNIQUES TO MEET THE LEARNING NEEDS OF DIVERSE CLASSROOM POPULATIONS. Required Previous: EDUC-2012

EDUC-4052 Effective Teaching in Secondary Education **2 Credits**
SECONDARY TEACHER CANDIDATES DEVELOP LESSON PLANS, INSTRUCTIONAL OBJECTIVES, AND EVALUATION TECHNIQUES TO MEET THE LEARNING NEEDS OF DIVERSE SECONDARY CLASSROOM POPULATIONS. Required Previous: EDUC-2012

EDUC-4112 Guidance of Exceptional Children **2 Credits**
THIS COURSE WILL EXAMINE FAMILY SYSTEMS THEORY FOR STUDENTS WITH MILD/MODERATE DISABILITIES FROM BIRTH TO 21 YEARS OF AGE. COLLABORATIVE STRATEGIES, TEAMING, CONSULTATION, AND RESOURCES WILL BE EMPHASIZED.

EDUC-4133 Methods in Teaching the Mentally Retarded and Physically Disabled **3 Credits**
A STUDY OF POLICY AND PROCEDURES IN SPECIAL EDUCATION AND CURRICULAR CONTENT, TEACHING METHODS AND LEARNING CHARACTERISTICS OF CHILDREN WITH MENTAL RETARDATION AND PHYSICAL DISABILITIES. Required Previous: EDUC-4513

EDUC-4233 Teaching in the Middle School/Junior High School **3 Credits**
AN ORIENTATION TO INSTRUCTIONAL PROGRAMS AND PROCESSES IN MIDDLE SCHOOLS AND JUNIOR HIGH SCHOOLS.

EDUC-4262 Student Teaching Seminar I Assessment and Professional Learning **2 Credits**
DURING THIS SEMINAR COURSE THE TEACHER WORK SAMPLE WILL BE COMPLETED. Required Previous or Concurrent: Take EDUC-4282

EDUC-4282 Student Teaching Seminar II Classroom Management **2 Credits**
THEORY AND PRACTICE RELATED TO CLASSROOM MANAGEMENT, TEACHER EVALUATIONS, AND PROBLEMS AND ISSUES ENCOUNTERED IN STUDENT TEACHING. Required Previous: Take EDUC-4611

EDUC-4413 Clinical Practices in Remedial Reading I **3 Credits**
EDUCATIONAL DIAGNOSIS, REMEDIAL TEACHING, AND INDIVIDUAL COUNSELING IN CASES INVOLVING READING DEFICIENCY. DIRECT LABORATORY WORK WITH PUPILS IN PUBLIC SCHOOLS. Required Previous: EDUC-3463 or EDUC-3483 or department approval

EDUC-4513 Children With Physical Disabilities **3 Credits**
A SURVEY OF VARIOUS PHYSICALLY DISABLING CONDITIONS THAT AFFECT CHILDREN'S PLACEMENT AND PROGRAMMING. EMPHASIS WILL BE GIVEN TO PHYSICAL AND EDUCATIONAL TECHNIQUES WHICH MAY BE USED IN MEETING THE NEEDS OF CHILDEN WITH SUCH CONDITIONS. Required Previous: EDUC-2402

EDUC-4611 Field Experience III **1 Credit**
TWENTY-FIVE HOURS OF PUBLIC SCHOOL CLASSROOM EXPERIENCE WITH THE TEACHER CANDIDATE OBSERVING REGULAR CLASSROOM EVENTS IN GENERAL AND SPECIFICALLY THOSE RELATED TO TOPICS COVERED IN EDUC 4042 STRATEGIES FOR EFFECTIVE TEACHING OR EDUC 4052 EFFECTIVE TEACHING STRATEGIES IN SECONDARY EDUCATION. Required Previous: EDUC-2012

EDUC-4632 Educational Technology Integration Strategies **2 Credits**
THIS COURSE INCLUDES INCORPORATION OF TECHNOLOGY INSTRUCTION, DIGITAL COMMUNICATION AND ONLINE CLASSROOM MATERIALS GIVING TEACHER CANDIDATES OPPORTUNITIES TO INCORPORATE BOTH DIGITAL AND ONLINE RESOURCES AS INSTRUCTIONAL TOOLS. TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY UNDERSTANDINGS OF BOTH DIGITAL AND ONLINE RESOURCES IN USING TECHNOLOGY FOR ENHANCEMENT AND DIFFERENTIATION OF INSTRUCTIONAL STRATEGIES FOR DIVERSE STUDENT LEARNING POPULATIONS. Required Previous or Concurrent: EDUC-4611

EDUC-4642 Methods of Teaching Transitional Skills **2 Credits**
THIS COURSE WILL EXPLORE METHODS AND STRATEGIES USED TO PREPARE STUDENTS WITH MILD/MODERATE DISABILITIES FOR TRANSITION FROM SCHOOL TO COMMUNITY LIFE. EMPHASIS WILL BE GIVEN TO RESEARCH-BASED INSTRUCTION, MODEL PROGRAMS, AND EFFECTIVE METHODS. Required Previous: EDUC-3823

EDUC-4713 Assessment and Program Developement **3 Credits**
STUDENTS WILL GAIN A BASIC UNDERSTANDING OF ASSESSMENT, DIAGNOSIS AND EVALUATION PROCEDURES USED IN SPECIAL EDUCATION. EMPHASIS WILL BE GIVEN TO APPROPRIATE UTILIZATION OF ASSESSMENT, LEGAL ISSUES SURROUNDING ASSESSMENT, AND USING ASSESSMENT RESULTS TO PLAN INDIVIDUALIZED EDUCATION PROGRAMS.

EDUC-4723 Methods of Teaching Children With Mild/Moderate Disabilities **3 Credits**
THIS COURSE WILL EXPLORE METHODS AND STRATEGIES USED TO EDUCATE STUDENTS WITH MILD/MODERATE DISABILITIES BIRTH THROUGH 21 ACROSS EDUCATIONAL ENVIRONMENTS. EMPHASIS WILL BE GIVEN TO RESEARCH-BASED INSTRUCTIONAL AND REMEDIAL METHODS, TECHNIQUESS, AND CURRICULUM MATERIALS AND CLASSROOM MANAGEMENT THEORY.

EDUC-4813 Nature and Characteristics of Children With Mental Retardation **3 Credits**
COMPREHENSIVE STUDY OF MENTAL RETARDATION INCLUDING THE HISTORY, CLASSIFICATION SYSTEMS, ETIOLOGIES AND SYNDROMES, THEORETICAL APPROACHES TO AND EDUCATIONAL PROGRAMS FOR CHILDREN WITH MENTAL RETARDATION. Required Previous: EDUC-2402

EDUC-4921 Practicum and Procedures for Mild/Moderate Disabilities **1 Credit**
CAMPUS SEMINARS AND SUPERVISED EDUCATION FIELD EXPERIENCES WITH STUDENTS WITH MILD/MODERATE DISABILITIES IN THE CLASSROOM. STUDENTS WILL EXPLORE AND OBSERVE COMMON EDUCATIONAL PRACTICES FOR STUDENTS WITH MILD/MODERATE DISABILITIES.

EDUC-4951 Supervised Student Teaching in Elementary Schools 1 Credit
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4952 Supervised Student Teaching in Elementary Schools 2 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4953 Supervised Student Teaching in Elementary Schools 3 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4954 Supervised Student Teaching in Elementary Schools 4 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4955 Supervised Student Teaching in Elementary Schools 5 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4956 Supervised Student Teaching in Elementary Schools 6 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4957 Supervised Student Teaching in Elementary Schools 7 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4958 Supervised Student Teaching in Elementary Schools 8 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4959 Supervised Student Teaching in Elementary Schools 9 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN AN ELEMENTARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: Take EDUC-4282

EDUC-4961 Supervised Student Teaching in Grades Pk Through Twelve 1 Credit
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4962 Supervised Student Teaching in Grades Pk Through Twelve 2 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4963 Supervised Student Teaching in Grades Pk Through Twelve 3 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4964 Supervised Student Teaching in Grades Pk Through Twelve 4 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4965 Supervised Student Teaching in Grades Pk Through Twelve 5 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4966 Supervised Student Teaching in Grades Pk Through Twelve 6 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4967 Supervised Student Teaching in Grades Pk Through Twelve 7 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4968 Supervised Student Teaching in Grades Pk Through Twelve 8 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4969 Supv Stu Tchg Grades Pk-12 9 Credits
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING AT BOTH ELEMENTARY AND SECONDARY LEVELS FOR ART, MUSIC, HEALTH AND PHYSICAL EDUCATION, AND SPECIAL EDUCATION MAJORS UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4971 Supv Stu Tchg in Sec Schls **1 Credit**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SCEONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4972 Supv Stu Tchg in Sec Schls **2 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4973 Supv Stu Tchg in Sec Schls **3 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4974 Supv Stu Tchg in Sec Schls **4 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4975 Supv Stu Tchg in Sec Schls **5 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262;

EDUC-4976 Supv Stu Tchg in Sec Schls **6 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4977 Supv Stu Tchg in Sec Schls **7 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4978 Supv Stu Tchg in Sec Schls **8 Credits**
A SUPERVISED PROFESSIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4979 Supv Stu Tchg in Sec Schls **9 Credits**
A SUPERVISED PROFESIONAL INTERNSHIP IN TEACHING IN A SECONDARY SCHOOL UNDER THE GUIDANCE OF ONE OR MORE EXPERIENCED TEACHERS. Required Previous or Concurrent: EDUC-4262

EDUC-4981 Seminar in Education **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4982 Seminar in Education **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4983 Seminar in Education **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4984 Seminar in Education **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4991 Individual Study in Education **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4992 Individual Study in Education **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4993 Individual Study in Education **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-4994 Individual Study in Education **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-5003 Multimedia Technology **3 Credits**
THE COURSE WILL COVER THEORY AND APPLICATION OF DIGITAL MEDIA IN THE PUBLIC SCHOOL CLASSROOM. DESIGN AND PRODUCTION OF MATERIALS INCLUDING SOUND RECORDING/EDITING, VIDEO RECORDING/EDITING, GRAPHIC SCANNING/EDITING, WEB PAGE DEVELOPMENT, AND DISTRIBUTION OF DIGITAL MATERIALS.

EDUC-5013 Adv Education Technology Strategies **3 Credits**
THIS COURSE FOCUSES ON KNOWLEDGE AND SKILLS IN THE SELECTION AND INTEGRATION OF CURRENT TECHNOLOGIES TO SUPPORT TEACHING AND LEARNING. AN EMPHASIS IS PLACED ON 21ST CENTURY EDUCATION AND THE DEVELOPMENT OF DIGITAL LEARNING ENVIRONMENTS.

EDUC-5023 Educational Aspects of Exceptional Child **3 Credits**
THIS COURSE IS AN IN-DEPTH STUDY OF CHILDREN WHO HAVE SIGNIFICANT EDUCATIONAL, INTELLECTUAL, BEHAVIORAL OR PHYSICAL CHARACTERISTICS WHICH ADVERSELY AFFECT THEIR EDUCATIONAL PERFORMANCE. EMPHASIS WILL BE GIVEN TO EDUCATIONAL METHODS AND LEGAL ISSUES IN WORKING WITH THESE CHILDREN. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5033 Nature & Curricular Needs Mid-Lvl Lrnr **3 Credits**
AN INTRODUCTION TO THE MIDDLE SCHOOL CONCEPT THAT EMPHASIZES THE DEVELOPMENT NEEDS OF EARLY ADOLESCENTS IN THE CONTEXT OF PATTERNS OF SCHOOL ORGANIZATION, CURRICULUM AND PEDAGOGY THAT ARE RESPONSIVE TO THE INTELLECTUAL, SOCIAL, EMOTIONAL, AND PHYSICAL NEEDS OF PRE-ADOLESCENTS (10-14 YRS OLD). EXEMPLARY PRACTICE SUPPORTIVE OF ADOLESCENT NEEDS AND CHANGES WILL BE IDENTIFIED INCLUDING CASE STUDIES AND CLINICAL/LABORATORY EXPERIENCES Required Previous: 100 hours or Graduate Standing

EDUC-5042 Parenting Issues in Special Ed **2 Credits**
THIS COURSE WILL EXPLORE THE STRUCTURE AND CHARACTERISTICS OF FAMILIES OF STUDENTS WITH DISABILITIES. EMPHASIS WILL BE PLACED ON PARENT-EDUCATOR COOPERATION, CONSULTATION, AND RESOURCES. Required Previous: EDUC-3463 or EDUC-3483

EDUC-5053 The Middle Sch: Philosophy & Organiz **3 Credits**
A STUDY OF MIDDLE LEVEL PHILOSOPHICAL TENETS AND EXEMPLARY COMPONENTS AND PROGRAMS UTILIZED IN CREATING A TOTAL LEARNING ENVIRONMENT EFFECTIVE FOR THE PREADOLESCENT LEARNER (10-14).

EDUC-5062 Superintendent Adminstration Practicum I **2 Credits**
AN INSTRUCTIONAL MENTORSHIP PROGRAM REQUIRING THE SUPERINTENDENT CANDIDATE TO DEVELOP EXPERIENTIAL-BASED SKILLS, PRESENTED BY THE INSTRUCTOR AS DESIGNED BY THE PROGRAM DIRECTOR UNDER THE GUIDANCE FROM PRACTICING SCHOOL SUPERINTENDENT (WITH NO LESS THAN THREE (3) YEARS' EXPERIENCE IN THAT JOB DESCRIPTION.) A CAPSTONE EXPERIENCE BASED ON NELP STANDARDS FOR DISTRICT-LEVEL EDUCATIONAL LEADERSHIP IS REQUIRED ALONG WITH DOCUMENTED INTERN HOURS AND CORRESPONDING KNOWLEDGE AND SKILLS-BASED REFLECTION AR

EDUC-5072 Superintendent Adminstration Practicum II **2 Credits**
AN INSTRUCTIONAL MENTORSHIP PROGRAM REQUIRING THE SUPERINTENDENT CANDIDATE TO DEVELOP EXPERIENTIAL-BASED SKILLS, PRESENTED BY THE INSTRUCTOR AS DESIGNED BY THE PROGRAM DIRECTOR UNDER THE GUIDANCE FROM PRACTICING SCHOOL SUPERINTENDENT (WITH NO LESS THAN THREE (3) YEARS' EXPERIENCE IN THAT JOB DESCRIPTION.) A CAPSTONE EXPERIENCE BASED ON NELP STANDARDS FOR DISTRICT-LEVEL EDUCATIONAL LEADERSHIP IS REQUIRED ALONG WITH DOCUMENTED INTERN HOURS AND CORRESPONDING KNOWLEDGE AND SKILLS-BASED REFLECTION AR

EDUC-5082 Special Education Assistive Tech **2 Credits**
THIS COURSE WILL FOCUS ON PROVIDING TEACHER INSTRUCTION IN THE PEDAGOGY OF ASSISTIVE TECHNOLOGY. THE COURSE WILL ENABLE TEACHERS TO BE AWARE OF THE NEEDS OF THEIR STUDENTS WITH DISABILITIES AND HOW TECHNOLOGY ADVANCES CAN ASSIST THEM TO BETTER REACH THEIR POTENTIAL. TEACHERS WILL ACQUIRE SKILLS IN SELECTING SOFTWARE AND INTEGRATING ASSISTIVE TECHNOLOGY INTO INSTRUCTIONAL MODELS. Required Previous or Concurrent: EDUC-3463 or EDUC-3483

EDUC-5093 Ident of and Strt for Stu W/Beh Dis **3 Credits**
THIS COURSE WILL EXPLORE CHARACTERISTICS AND IDEA PROCEDURES FOR IDENTIFYING STUDENTS WITH BEHAVIOR DISORDERS IN EDUCATIONAL SETTINGS. THIS COURSE WILL ALSO PREPARE THOSE WORKING WITH STUDENTS TO MANAGE BEHAVIOR IN SPECIAL AND GENERAL EDUCATION CLASSROOMS. VARIOUS THEORETICAL APPROACHES FOR MANAGING GROUP AND INDIVIDUAL BEHAVIORS AND THEIR RELEVANT MANAGEMENT STRATEGIES WILL BE DISCUSSED (I.E. PBIS). SPECIFIC METHODS FOR IDENTIFYING AND DOCUMENTING BEHAVIORAL CONCERNS (I.E. FBA'S) AND INTERVENTI

EDUC-5103 Students With Mild & Moderate Disorders **3 Credits**
THIS COURSE STUDIES EVIDENCE- AND RESEARCH-BASED STRATEGIES FOR PROMOTING ACADEMIC AND FUNCTIONAL SKILL DEVELOPMENT OF STUDENTS WITH MILD/MODERATE DISABILITIES. COURSE INCLUDES PRINCIPLES AND PROCEDURES FOR PROMOTING SUCCESSFUL TRANSITIONS FOR STUDENTS, AND COLLABORATION AND COMMUNICATION PRACTICES WITH THE SCHOOL, COMMUNITY, AND FAMILY INVOLVEMENT ARE ADDRESSED. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5113 Techniques of Research **3 Credits**
INTRODUCES STUDENTS TO THE THEORY OF EDUCATIONAL RESEARCH BY DEVELOPING COMPETENCIES IN LITERATURE REVIEW, LIBRARY RESEARCH, DATA ANALYSIS, RESEARCH WRITING, AND DEVELOPING PLANS FOR APPLIED OR ACTION RESEARCH. THIS COURSE WILL CONSIDER THE ETHICS OF RESEARCH WITH HUMAN SUBJECTS.

EDUC-5133 Modern Philosophies of Education **3 Credits**
CURRENT EDUCATIONAL PHILOSOPHIES WITH SPECIAL EMPAHSIS ON THOSE OF THE UNITED STATES, PROVIDES FOR UNDERSTANDING OF MODERN EDUCATION PRACTICES.

EDUC-5143 Clinical & Clsrm Practices in Rdg **3 Credits**
STUDY OF CLINICAL AND CLASSROOM MANAGEMENT TECHNIQUES FOR DIAGNOSING AND REMEDIATING READING PROBLEMS. INVOLVES IDENTIFYING AND USING COMPUTER TECHNOLOGY IN FIELD EXPERIENCES WITH DIFFERENT LEARNERS FOR DIFFERENT PURPOSES.

EDUC-5163 Adv Methods for Mild/Moderate Disorders **3 Credits**
THIS COURSE WILL EXPLORE THE APPROACHES TO PLANNING AND DESIGNING EDUCATIONAL PROGRAMS FOR STUDENTS WITH MILD/MODERATE DISABILITIES. COURSE INCLUDES STRATEGIES FOR CLASSROOM ACCOMMODATIONS AND MODIFICATIONS, INDIVIDUALIZED EDUCATION PROGRAM GOAL IMPLEMENTATION FOR IMPROVING LANGUAGE DEVELOPMENT AND COMMUNICATION SKILLS, READING, AND MATHEMATICS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5173 Fundamentals of Curriculum **3 Credits**
CURRICULUM EVALUATION, DEVELOPMENT, CURRENT ISSUES, AND TRENDS TO ELEMENTARY, MIDDLE/JUNIOR HIGH, AND HIGH SCHOOLS.

EDUC-5183 Contemporary Issues in Ed **3 Credits**
AN INVESTIGATION OF CURRENT SOCIAL, POLITICAL, ECONOMIC, AND CULTURAL ISSUES RELATED TO EDUCATION, THEIR IMPACT ON THE SCHOOL, AND THEIR IMPLICATIONS FOR TEACHING.

EDUC-5223 Adv Tchg Trnstnl Skills **3 Credits**
THIS COURSE WILL EXPLORE METHODS OF TRANSITION PLANNING APPROPRIATE FORSTUDENTS WITH MILD/MODERATE DISABILITIES. EMPHASIS WILL BE GIVEN TO EFFECTIVE PRACTICES, CURRENT RESEARCH, AND MODEL PROGRAMS. Required Previous or Concurrent: EDUC-3463 or EDUC-3483

EDUC-5233 Survey of Teaching Reading **3 Credits**
THIS COURSE SURVEYS THE READING PROCESS WITH AN EMPHASIS GIVEN TO LANGUAGE DEVELOPMENT, WORD RECOGNITION SKILLS, COMPREHENSION SKILLS, AND STUDY SKILLS. PSYCHOLOGICAL READING THEORY AND VARIOUS APPROACHES TO TEACHING THE SCIENCE OF READING COMPONENTS ARE DISCUSSED WITH OPPORTUNITIES TO MANIPULATE READING MATERIALS.

EDUC-5243 Diagnosis of Reading Difficulties **3 Credits**
ADMINISTRATION, INTERPRETATION, AND APPLICATION OF STANDARDIZED AND INFORMAL DIAGNOSTIC INSTRUMENTS. PREPARATION OF CASE STUDY REPORTS AND TECHNIQUES DEALING WITH INTERVIEWS AND READING CONFERENCE PROCEDURES. THEORY AND DEMONSTRATION OF TESTS INTENDED TO APPRAISE LEVELS OF COMPETENCE IN GROUP AND INDIVIDUAL SETTINGS.

EDUC-5253 Research & Instruction: Elem Math **3 Credits**
THIS COURSE IS DESIGNED TO EXPLORE TOPICS RELATED TO MATHEMATICS INSTRUCTION INCLUDING: CURRENT CONTENT STANDARDS, RESEARCH, DIFFERENTIATED INSTRUCTION, LESSON PLANNING, MATHEMATICS INSTRUCTIONAL TECHNOLOGY, LEARNING AIDS AND INQUIRY BASED LEARNING. AN ACTION RESEARCH PROJECT IS REQUIRED. Required Previous: EDUC-3513

EDUC-5263 Research & Instruction: El Lang Arts **3 Credits**
REVIEW OF LANGUAGE ARTS RESEARCH AND EXPERIMENTATION WITH VARIOUS MODELS AND MATERIALS TO AID IN TEACHING LANGUAGE ARTS SKILLS TO CHILDREN.

EDUC-5273 Research & Instruction: Elem Soc Stu **3 Credits**
AN EXAMINATION OF SOCIAL STUDIES PROGRAMS AND A REVIEW OF RESEARCH OF CONTENT MATERIALS AND TEACHING TECHNIQUES. Required Previous: EDUC-3713

EDUC-5283 Practicum & Portfolio in Reading **3 Credits**
DIAGNOSING READING DIFFICULTIES AND TREATMENT OF READING PROBLEMS AS EXPERIENCED IN CLINICAL & CLASSROOM SITUATIONS. THE SUPERVISED PRACTICAL EXPERIENCES ARE CONTROLLED IN CERTAIN INSTANCES IN ORDER TO AFFORD THE STUDENTS EXPOSURE TO RESEARCH METHODS & PROCEDURES. EMPHASIS WILL BE DIRECTED TO PROVIDE AMPLE OPPORTUNITIES FOR INTERACTION W/STUDENTS EXPERIENCING READING DIFFICULTIES. A PROGRAM PORTFOLIO WILL ALSO BE SUBMITTED AND REVIEWED ACCORDING TO DEPARTMENTAL GUIDELINES.

EDUC-5303 Reading Instruction in Content Areas **3 Credits**
EMPHASIS IS PLACED ON MATERIALS, METHODOLOGY & VOCABULARY UNIQUE TO CONTENT AREAS. SUGGESTIONS FOR TECHNIQUES BY WHICH READING SKILLS MAY BE DEVELOPED & IMPROVED IN THE INDIVIDUAL CONTENT SUBJECTS FOR STUDENTS EXPERIENCING VARIOUS LEVELS OF ACHIEVEMENT. ATTENTION GIVEN TO THE INFLUENCE OF READING UPON THE STUDENT'S CONTINUING ACADEMIC PROGRAM REGARDLESS OF CONTENT AREA.

EDUC-5313 Research & Instruction: Elem Science **3 Credits**
EXAMINATIONS AND EVALUATIONS OF SCIENCE GOALS, TEACHING METHODS AND DESIGN OF PROGRAMS IN LIGHT OF CONTEMPORARY RESEARCH IN SCIENCE EDUCATION. Required Previous: EDUC-3613

EDUC-5323 Treatment of Reading Difficulties **3 Credits**
AN ANALYSIS OF FORMAL AND INFORMAL DIAGNOSTIC DATA WITH TREATMENT PROCEDURES FOCUSED UPON INDIVIDUAL NEEDS. INSTRUCTIONAL STRATEGIES, TIME MANAGEMENT, AND CURRENT TECHNOLOGY, RESOURCES, AND MATERIALS WILL BE DISCUSSED IN ORDER TO ASSURE THE MOST EFFECTIVE EDUCATIONAL PRACTICES. Required Previous or Concurrent: EDUC-5243

EDUC-5333 Legal Aspects of Special Education **3 Credits**
THIS COURSE WILL EXPLORE THE LEGAL ASPECTS OF SPECIAL EDUCATION INCLUDING FORMULATION OF POLICIES AND PROCEDURES AND PROGRAM DEVELOPMENT. EMPHASIS WILL BE GIVEN TO INDIVIDUAL RIGHTS, SCHOOL RESPONSIBILITY AND DEVELOPMENT OF INDIVIDUALIZED EDUCATION PLANS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5342 Supervised Portfolio Research **2 Credits**
THE PURPOSE OF THIS COURSE IS TO ASSIST STUDENTS IN THE FORMATION AND DEVELOPMENT OF A PROFESSIONAL PORTFOLIO ACCORDING TO THE DEPARTMENTAL GUIDELINES. CONTINOUS ENROLLMENT IN PROGRAM COURSEWORK OR EDUC 5681 PRACTICUM AND PORTFOLIO IN EDUCATION IS REQUIRED UNTIL A PORTFOLIO ACCEPTABLE TO THE PORTFOLIO COMMITTEE IS PRESENTED. ONLY ONE HOUR OF EDUC 5681 PRACTICUM AND PORTFOLIO IN EDUCATION MAY BE COUNTED TOWARD THE DEGREE. Required Previous: EDUC-5113

EDUC-5353 Adv Assessment & Prog Dev **3 Credits**
STUDENTS WILL GAIN A BASIC UNDERSTANDING OF ASSESSMENT, DIAGNOSIS AND EVALUATION PROCEDURES USED IN SPECIAL EDUCATION. EMPHASIS WILL BE GIVEN TO APPROPRIATE UTILIZATION OF ASSESSMENT, ISSUES SURROUNDING ASSESSMENT (I.E. STUDENTS WITH CULTURALLY AND LINGUISTICALLY DIVERSE BACKGROUNDS), AND USING ASSESSMENT RESULTS TO PLAN INDIVIDUALIZED EDUCATION PROGRAMS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOOT CAMP ARE REQUIRED TO COMPLETE 10 HOURS OF FIELD EXPERIENCE.

EDUC-5363 Principles of Instructional Design **3 Credits**
THIS COURSE PRESENTS THE CONCEPTS, PRINCIPLES AND METHODS FOR DESIGNING EFFECTIVE INSTRUCTION. TOPICS STUDIED INCLUDE ALIGNING INSTRUCTION TO STANDARDS, DEVELOPING INSTRUCTIONAL OBJECTIVES, PLANNING INSTRUCTIONAL ACTIVITIES, DESIGNING INSTRUCTIONAL MATERIALS, ASSESSING LEARNING OUTCOMES, AND EVALUATING INSTRUCTIONAL EFFECTIVENESS.

EDUC-5373 Nature Ind W/ Low Incident Disabilities **3 Credits**
THIS COURSE WILL EXPLORE THE PHILISOPHICAL AND HISTORICAL FOUNDATIONS OF SPECIAL EDUCATION FOR STUDENTS WITH SEVERE DISABILIITES, CHARACTERISTICS OF STUDENTS WITH SEVER DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES IN THE FIELD OF SPECIAL EDUCATION. Required Previous: EDUC-2402

EDUC-5383 Interactve Learning Methd in Distance Ed **3 Credits**
THIS COURSE PRESENTS A CONCEPTUAL FRAMEWORK FOR LEARNING AND TEACHING AT A DISTANCE. THE COURSE TOPICS OF STUDY INCLUDE THE CHARACTERISTICS OF DISTANCE EDUCATION, PRINCIPLES OF COURSE DESIGN, THE ROLE OF THE TEACHER AS FACILITATOR, THE ROLE OF THE LEARNER AS ACTIVE PARTICIPANT, AND GUIDELINES FOR IMPROVING THE QUALITY OF DISTANCE LEARNING.

EDUC-5393 Educational Statistics **3 Credits**
BASIC PRINCIPLES OF ORGANIZATION AND TREATMENT OF STATISTICAL DATA.

EDUC-5403 The Workkstation Operating Sys in Educ **3 Credits**
THIS COURSE MEETS THE STANDARDS FOR DESKTOP AND NETWORK RECOGNIZED INDUSTRY CERTIFICATION IN CURRENT OPERATING SYSTEMS. THE COURSE PRESENTS MATERIALS AND CURRICULUM FOR THE CERTIFIED PROFESSIONAL PROGRAM. STUDENTS WILL USE THE WORKSTATION OPERATING SYSTEM IN TEACHING AND LEARNING ENVIRONMENTS.

EDUC-5413 Introduction to School Counseling & Ethical Practices **3 Credits**
INTRODUCTION TO THE PRINCIPLES, PRACTICES AND PHILOSOPHY OF SCHOOL COUNSELING, INCLUDING ROLE AND FUNCTION OF A SCHOOL COUNSELOR WITHIN A SCHOOL SETTING DRAWING FROM A THEORETICAL AND DEVELOPMENTAL PERSPECTIVE. EXAMINES ALL ASPECTS OF PROFESSIONAL FUNCTIONING: HISTORICAL DEVELOPMENT, ORGANIZATIONAL STRUCTURE AND CREDENTIALING, AND STANDARDS. PRESENTS A DEFINITION AND DESCRIPTION OF A COMPREHENSIVE SCHOOL COUNSELING PROGRAM. FOCUSES ON ETHICS PRACTICES AND RESPONSIBILITIES OF SCHOOL COUNSELORS.

EDUC-5453 Developmental School Counseling **3 Credits**
THIS COURSE COVERS ORGANIZATION, PLANNING, MANAGEMENT, AND EVALUATION OF COMPREHENSIVE SCHOOL COUNSELING PROGRAMS. APPROPRIATE ROLES AND FUNCTIONS OF SCHOOL COUNSELORS, COORDINATION OF PROFESSIONAL SERVICES, AND PROFESSIONAL ETHICAL CODES SPECIFICALLY RELATING TO SCHOOL COUNSELING. CANDIDATES WILL DESIGN A COMPREHENSIVE SCHOOL COUNSELING PROGRAM FOR A SPECIFIC SCHOOL SETTING, PREPARE GUIDANCE AND COUNSELING UNITS AND SAMPLE LESSON PLANS, AND IMPLEMENT THESE UNITS IN SCHOOLS. CANDIDATES WILL INTE Required Previous or Concurrent: H/P/E-5443

EDUC-5483 School Counseling Intervention Strategies **3 Credits**
THE COURSE ENABLES SCHOOL COUNSELORS TO DEVELOP COUNSELING INTERVENTION STRATEGIES TO ASSIST STUDENTS, OTHER COUNSELORS, TEACHERS, ADMINISTRATORS, AND OTHER SCHOOL PERSONNEL. COUNSELING INTERVENTION STRATEGIES INCLUDE METHODS TO HELP STUDENTS IMPROVE ACADEMIC, CAREER, AND PERSONAL/SOCIAL SKILLS. INTERVENTION STRATEGIES INCLUDE REFLECTION AND MODIFICATION RELATED TO MULTICULTURAL AND ETHICAL CONCERNS. Required Previous or Concurrent: EDUC-5493

EDUC-5493 Practicum and Capstone in School Counseling **3 Credits**
PLACEMENT IS IN AN ELEMENTARY OR SECONDARY (MIDDLE OR HIGH) SCHOOL SETTING WHERE THE PRACTICUM AND CAPSTONE WILL BE COMPLETED WHILE SUPERVISED BY A CERTIFIED SCHOOL COUNSELOR. HOURS: 150 CLOCK HOURS DURING THE 16-WEEK SEMESTER, INCLUDING AT LEAST 75 DIRECT SERVICE HOURS (E.G., INDIVIDUAL STUDENT PLANNING, STUDENT ASSESSMENT, INDIVIDUAL AND GROUP COUNSELING, CLASSROOM GUIDANCE AND/OR PSYCHOEDUCATIONAL ACTIVITIES, ETC.). THE REMAINING 75 NON-DIRECT SERVICE HOURS INCLUDE OBSERVATIONS, MAINTAINING C Required Previous or Concurrent: EDUC-5483

EDUC-5503 Public School Organization **3 Credits**
STUDY OF THE ORGANIZATION, STRUCTURE, AND POLITICS OF AMERICAN PUBLIC EDUCATION.

EDUC-5513 Supervision of Instruction **3 Credits**
APPLICATION OF LEADERSHIP THEORY TO CLINICAL SUPERVISION, EXAMINATION OF THE ADMINISTRATOR'S ROLE AS AN INSTRUCTIONAL LEADER, EVALUATION OF INSTRUCTIONAL APPROACHES AND PROGRAMS, PRACTICES AND PROCEDURES OF CLINICAL SUPERVISION.

EDUC-5523 School Plant Management **3 Credits**
STUDY OF THE MANAGEMENT OF PUBLIC SCHOOL FACILITIES, PLANNING AND DEVELOPMENT, OPERATION AND MAINTENANCE, AND FISCAL SYSTEM PRINCIPLES AT THE DISTRICT LEVEL.

EDUC-5533 Fundamentals of Public School Admin **3 Credits**
BASIC PRINCIPLES AND PRACTICES IN MODERN SCHOOL ADMINISTRATION INCLUDING: HOW TO LEAD COLLABORATIVELY A SCHOOL THROUGH MISSION, VISION, AND SCHOOL IMPROVEMENT; ADVOCATING FOR ETHICAL DECISIONS AND CULTIVATE PROFESSIONAL NORMS; USING DATA TO DRIVE DECISIONS THAT ARE EQUITABLE, INCLUSIVE AND CULTURALLY RESPONSIVE; ENGAGING ALL STAKEHOLDERS TO STRENGTHEN AND ADVOCATE FOR THE NEEDS OF STAKEHOLDERS IN THE SCHOOL AND COMMUNITY; AND PROVIDING FOR A COLLABORATIVE PROFESSIONAL CULTURE. ASSIGNMENTS IN COU

EDUC-5553 School Public Relations **3 Credits**
A DETAILED COMPREHENSIVE PRESENTATION OF THE METHODS AND MEDIA FOR BUILDING AND SUSTAINING GOOD PUBLIC RELATIONS FOR PUBLIC EDUCATIONAL INSTITUTIONS.

EDUC-5573 Public School Finance **3 Credits**
A STUDY IN THE SOURCES OF SCHOOL FINANCE AND GENERAL PRINCIPALS OF FINANCIAL ADMINISTRATION INCLUDING SCHOOL-LEVEL GOVERNANCE AND OPERATIONS SYSTEM TO IMPROVE MANAGEMENT, COMMUNICATION, TECHNOLOGY AT THE BUILDING LEVEL. THE STUDENT WILL STUDY THE DEVELOPMENT AND IMPLEMENTATION OF DATA-INFORMED AND SCHOOL RESOURCE PLANS THAT ARE EQUITABLE AND APPLY LAWS, POLICIES, AND REGULATIONS. ASSIGNMENTS IN COURSE PROVIDE FOR CLINICAL EXPERIENCES RELATED AUTHENTIC LEADERSHIP ACTIVITIES.

EDUC-5583 Legal Aspects of Education **3 Credits**
AN EXAMINATION OF FEDERAL AND STATE CONSTITUTIONAL PROVISIONS, STATUES, JUDICIAL DECISIONS, AND AGENCY REGULATIONS THAT AFFECT EDUCATION. SPECIAL EMPHASIS ON ETHICS, PROFESSION NORMS, EQUITY, OPERATIONS, MANAGEMENT, AND BUILDING PROFESSIONAL CAPACITY THROUGH STAFF SUPERVISION, SUPPORT, AND EVALUATION AS WELL AS APPLICATION OF SCHOOL RELATED LAWS, POLICIES, AND REGULATIONS. ASSIGNMENTS IN COURSE PROVIDE FOR CLINICAL EXPERIENCES RELATED AUTHENTIC LEADERSHIP ACTIVITIES.

EDUC-5603 Survey of Intellectual Property **3 Credits**
THE SURVEY OF INTELLECTUAL PROPERTY ADDRESSES THE CONCEPTS AND TRENDS RELATED TO OWNERSHIP AND TECHNOLOGY IN NAVIGATING THE WEB, RESPECT AND INTEGRITY, DISTRIBUTION OF WORKS, ALTERNATIVES TO INTELLECTUAL PROPERTY, DOMAIN NAMES, BUSINESS METHODS PATENTS ONLINE, AND JURISDICTION.

EDUC-5623 The Principalship **3 Credits**
A STUDY OF PRINCIPAL AND BUILDING LEVEL LEADERSHIP SKILLS, KNOWLEDGE, AND APPLICATION OF P-12 SCHOOL ADMINISTRATION WITH AN EMPHASIS ON ORGANIZATIONAL STRUCTURE AND THE LEADERSHIP ROLE OF THE PRINCIPAL INCLUDING: HOW TO LEAD COLLABORATIVELY A SCHOOL THROUGH

MISSION, VISION, AND SCHOOL IMPROVEMENT WITH A SET CORE OF VALUES WHICH INCLUDE DATA, TECHNOLOGY, DIGITAL CITIZEN, DIVERSITY, AND CONTINUOUS SCHOOL IMPROVEMENT; ADVOCATING FOR ETHICAL DECISIONS AND CULTIVATE PROFESSIONAL NORMS; USING DATA AND

EDUC-5631 Advanced Student Teaching **1 Credit**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5632 Advanced Student Teaching **2 Credits**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5633 Advanced Student Teaching **3 Credits**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5634 Advanced Student Teaching **4 Credits**
THIS WORK IS OFFERED IN THE FALL AND SPRING SEMESTERS--NOT IN THE SUMMER SESSION.

EDUC-5643 Methods Tch Stu W/ Sev Disabi **3 Credits**
THIS COURSE WILL EXPLORE METHODS AND STRATEGIES USED TO EDUCATE STUDENTS WITH SEVERE DISABILITIES BIRTH THROUGH 21 ACROSS EDUCATIONAL ENVIRONMENTS. EMPHASIS WILL BE GIVEN TO RESEARCH-BASED EVALUATION TECHNIQUES, IEP DEVELOPMENT, INSTRUCTIONAL METHODS, TECHNIQUES AND CURRICULUM MATERIALS, AND CLASSROOM MANAGEMENT THEORY. Required Previous: EDUC-2402

EDUC-5653 Diagnosis of Learning Disabilities **3 Credits**
THE STUDY OF VARIOUS TESTS AND EVALUATION INSTRUMENTS USED IN NON-DISCRIMINATORY MULTIDISCIPLINARY EVALUATIONS AND THE INTERPRETATION OF TEST DATA ALONG WITH PRE-REFERRAL INFORMATION IN DIAGNOSING CHILDREN WHO HAVE LEARNING DISABILITIES. F (ODD YEARS),SU

EDUC-5663 Literacy Leadership and Coaching **3 Credits**
THIS COURSE WILL PROVIDE STUDENTS WITH THE MOST CURRENT UNDERSTANDING OF LITERACY CONSULTATION AND COACHING. TOPICS WILL INCLUDE LEADERSHIP FOR A SCHOOL LITERACY PROGRAM, COLLABORATION WITH TEACHERS AND OTHER PROFESSIONALS, DATA ANALYSIS, CURRICULUM ISSUES, KNOWLEDGE OF LITERACY STANDARDS, AND FACILITATION OF PROFESSIONAL DEVELOPMENT. THESE FOUNDATIONS WILL PROVIDE STUDENTS WITH EXPERIENCE IN WORKING WITH TEACHERS TO IMPROVE THEIR INSTRUCTIONAL PRACTICE AS WELL AS STUDENT ACHIEVEMENT. AN EMPHASI

EDUC-5673 Ed Planning & Intervention Lrn Disab **3 Credits**
PROCEDURES FOR PLANNING AND IMPLEMENTING A PROGRAM FOR THE EDUCATIONAL INTERVENTION FOR CHILDREN WHO HAVE BEEN DIAGNOSED WITH LEARNING DISABILITIES. INCLUDES STRATEGIES FOR CLASSROOM MODIFICATIONS, INDIVIDUALIZED PROGRAMMING, AND BEHAVIOR MANAGEMENT PLANS. Required Previous: EDUC-5653 or PSYCH-4213 or EDPSY-5353

EDUC-5681 Practicum and Portfolio in Educ **1 Credit**
DEVELOPMENT OF AN ACCEPTABLE PORTFOLIO ACCORDING TO DEPARTMENTAL GUIDELINES. THE ACCEPTABILITY OF THE PORTFOLIO WILL BE DETERMINED BY A 3 MEMBER FACULTY COMMITTEE. THIS COURSE ALSO REQUIRES DIRECT WORK IN AN EDUCATIONAL SETTING RELATED TO YOUR DEGREE FIELD. Required Previous: EDUC-5113

EDUC-5691 Thesis **1 Credit**
DEVELOPMENT OF AN ACCEPTABLE THESIS, ACCORDING TO THE DEPARTMENTAL GUIDELINES. A MAXIMUM OF 3 HOURS MAY BE COUNTED TOWARD THE DEGREE. CONTINUOUS ENROLLMENT IS REQUIRED UNTIL A THESIS ACCEPTABLE TO THE THESIS COMMITTEE AND THE GRADUATE DEAN IS PRESENTED. Required Previous: EDUC-5113

EDUC-5692 Thesis **2 Credits**
DEVELOPMENT OF AN ACCEPTABLE THESIS, ACCORDING TO THE DEPARTMENTAL GUIDELINES. A MAXIMUM OF 3 HOURS MAY BE COUNTED TOWARD THE DEGREE. CONTINUOUS ENROLLMENT IS REQUIRED UNTIL A THESIS ACCEPTABLE TO THE THESIS COMMITTEE AND THE GRADUATE DEAN IS PRESENTED. Required Previous: EDUC-5113

EDUC-5693 Thesis **3 Credits**
DEVELOPMENT OF AN ACCEPTABLE THESIS, ACCORDING TO THE DEPARTMENTAL GUIDELINES. A MAXIMUM OF 3 HOURS MAY BE COUNTED TOWARD THE DEGREE. CONTINUOUS ENROLLMENT IS REQUIRED UNTIL A THESIS ACCEPTABLE TO THE THESIS COMMITTEE AND THE GRADUATE DEAN IS PRESENTED. Required Previous: EDUC-5113

EDUC-5703 Instructional Design and Technology Capstone **3 Credits**
THIS COURSE ENGAGES COMPLETERS OF THE M.ED. INSTRUCTIONAL DESIGN AND TECHNOLOGY PROGRAM IN A CULMINATING EXPERIENCE TO EXTEND LEARNING IN A TOPIC OF RELEVANCE AND INTEREST TO EACH INDIVIDUAL STUDENT. CAPSTONE PROJECTS ARE FLEXIBLE IN NATURE BUT ARE EXPECTED TO DEMONSTRATE A SYNTHESIS AND APPLICATION OF CONCEPTS LEARNED THROUGHOUT THE PROGRAM. THE CAPSTONE PROJECT WILL BE PRESENTED TO A FACULTY COMMITTEE AND POSSIBLY OTHER AUDIENCES.

EDUC-5713 Administration of Fed Prog in Educ **3 Credits**
STUDY OF FEDERAL PROGRAMS AFFECTING PUBLIC EDUCATION, INCLUDING SPECIAL EDUCATION, DISADVANTAGED EDUCATION, INDIAN EDUCATION, IMPACT AID, NATIONAL SCHOOL LUNCH ACT, BILINGUAL EDUCATION, AND FEDERAL ENFORCEMENT OF RIGHTS OF HANDICAPPED CHILDREN.

EDUC-5723 Adv Legal Aspects of Educ **3 Credits**
ADVANCED STUDY OF ETHICS, LEGAL ASPECTS OF EDUCATION, WITH AN EMPHASIS ON RECENT DEVELOPMENTS IN SCHOOL LAWS AT THE DISTRICT LEVEL, INCLUDING THOSE RELEVANT TO THE FIELD OF SPECIAL EDUCATION.

EDUC-5733 Organizational Theory of School Administration **3 Credits**
ADVANCED STUDY OF PRINCIPLES AND PRACTICES OF ADMINISTRATIVE LEADERSHIP THEORY AND ORGANIZATIONAL CHANGE, WITH SPECIAL EMPHASIS ON ORGANIZATIONAL CLIMATE AND CULTURE.

EDUC-5743 Collaborative Learning Communities in Special Education 3 Credits
THIS COURSE WILL EXAMINE COLLABORATIVE LEARNING COMMUNITIES ALSO DESIGNATED AS WRAP AROUND SERVICES, FOR STUDENTS WITH MILD/MODERATE DISABILITIES FROM BIRTH TO 21 YEARS OF AGE. FAMILY SYSTEMS THEORY AND STRATEGIES USED TO PREPARE STUDENTS WITH MILD/MODERATE DISABILITIES FOR TRANSITION FROM SCHOOL TO COMMUNITY LIFE WILL ALSO BE EMPHASIZED.

EDUC-5753 Differentiated Instruction for Special Education 3 Credits
THIS COURSE WILL DESIGN INSTRUCTIONAL STRATEGIES, ACCOMMODATIONS, AND MODIFICATIONS TO CURRICULUM UTILIZING DIFFERENTIATED INSTRUCTION AND UNIVERSAL DESIGN FOR LEARNING PRINCIPLES FOR STUDENTS WITH MILD/MODERATE DISABILITIES. APPLICATION OF THOSE PRINCIPLES WILL BE TO CONTENT AREAS OF READING, LANGUAGE ARTS, AND MATH. SPECIFIC EMPHASIS WILL BE ON RTI, MTSS, INCLUSION AND THE NEEDS OF STUDENTS FROM CULTURALLY AND LINGUISTICALLY DIVERSE BACKGROUNDS. STUDENTS TAKING THIS COURSE AS A PART OF THE BOO

EDUC-5762 Capstone in Special Education 2 Credits
COURSE IS A QUALITATIVE AND QUANTITATIVE DATA ANALYSIS FOR STUDENTS WITH MILD/MODERATE DISABILITIES. STUDENT STRENGTHS AND NEEDS WILL BE IDENTIFIED AND RESEARCH- AND EVIDENCE-BASED STRATEGIES GARNERED TO IMPLEMENT AND MONITOR PROGRESS. EMPHASIS IS ON INDIVIDUAL EDUCATIONAL PROGRAM DEVELOPMENT.

EDUC-5773 Politics and Governance of American Education 3 Credits
ADVANCED STUDY OF PRINCIPLES AND PRACTICES OF VISIONARY LEADERSHIP, THEORY, AND ORGANIZATIONAL CHANGE AT THE DISTRICT LEVEL. INCLUDES THE STUDY OF THE STRUCTURE, ORGANIZATION, POLITICS, POWER GROUPS, AND MULTICULTURALISM OF PUBLIC SCHOOLS.

EDUC-5783 Personnel Administration in Public Schools 3 Credits
STUDY OF BASIC PRINCIPLES AND PRACTICES OF PERSONNEL ADMINISTRATION IN PUBLIC SCHOOLS, CURRENT ISSUES INVOLVING BOTH CERTIFIED AND NON-CERTIFIED PERSONNEL.

EDUC-5793 The Superintendency 3 Credits
PRINCIPLES OF PUBLIC SCHOOL CENTRAL OFFICE ADMINSTRATION, WITH EMPHASIS ON THE LEADERSHIP ROLE OF THE SUPERINTENDENT.

EDUC-5832 Practicum and Capstone in Public School Administration 2 Credits
SUPERVISED AUTHENTIC INTERNSHIP/PRACTICUM AND CAPSTONE EXPERIENCES IN AN APPROVED PUBLIC SCHOOL ADMINISTRATION ENVIRONMENT UNDER THE SUPERVISION OF A KNOWLEDGEABLE EXPERT IN EDUCATIONAL LEADERSHIP AT THE BUILDING LEVEL. STUDENTS WILL COMPLETE AUTHENTIC, COHERENT, AND SUSTAINED ACTIVITIES AND HOURS ALIGNED TO CURRENT PROGRAM STANDARDS. Required Previous: 21 hours in the program or department approval.

EDUC-5843 Advanced Classroom Management 3 Credits
THIS COURSE WILL EXAMINE RESEARCH BASED STRATEGIES USED TO IMPROVE THE CLASSROOM LEARNING ENVIRONMENT. MODELS OF CLASSROOM MANAGEMENT RELATED TO STUDENT DEVELOPMENT WILL BE EXAMINED AS WELL. THIS COURSE MEETS THE STATE REQUIREMENT FOR ALTERNATIVE AND EMERGENCY CERTIFICATION CANDIDATES.

EDUC-5853 Advanced Strategies for Effective Teaching 3 Credits
A VARIETY OF THE ASPECTS OF EDUCATIONAL PEDAGOGY WILL BE ADDRESSED INCLUDING, THE DEVELOPMENT OF LESSON PLANS, INSTRUCTIONAL OBJECTIVES, AND EVALUATION TECHNIQUES. THE CREATION OF EFFECTIVE LEARNING ACTIVITIES, ENGAGEMENT STRATEGIES, AND VARIOUS THEORIES ABOUT TEACHING AND LEARNING WILL ALSO BE COVERED. THIS COURSE MEETS THE STATE REQUIREMENT FOR ALTERNATIVE AND EMERGENCY CERTIFICATION CANDIDATES.

EDUC-5933 Survey of Emerging Technologies 3 Credits
THIS COURSE WILL EXPLORE THE LATEST TRENDS IN TECHNOLOGY THAT ARE NOW, OR SOON WILL BE, IMPACTING K-12 EDUCATION. STUDENTS WILL EXAMINE THE POSSIBILITIES AND CHALLENGES OF THE CURRENTLY MOST PROMINENT EMERGING TECHNOLOGIES AS APPLIED TO A VARIETY OF LEARNING SPACES.

EDUC-5943 Educational Technology Leadership 3 Credits
THIS COURSE PREPARES EDUCATIONAL LEADERS TO EFFECTIVELY PLAN, EVALUATE, AND MANAGE TECHNOLOGY INITIATIVES TO SUPPORT TEACHING, LEARNING AND OPERATIONS IN EDUCATIONAL SETTINGS.

EDUC-5961 Special Studies in Education 1 Credit
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION.GRADING IS USUALLY P OR F.

EDUC-5962 Special Studies in Education 2 Credits
DIRECTED GROUP STUDY ON A SPECIAL TOPIC, NORMALLY OF SHORT DURATION.GRADING IS USUALLY P OR F.

EDUC-5981 Seminar in Education 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5982 Seminar in Education 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5983 Seminar in Education 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5984 Seminar in Education 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-5991 Individual Study in Education 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-5992 Individual Study in Education **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-5993 Individual Study in Education **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-5994 Individual Study in Education **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

EDUC-6003 Contemporary Issues and Advocacy in Rural Education **3 Credits**
CANDIDATES WILL FOCUS ON THE CRITICAL EXAMINATION OF CONTEMPORARY CHALLENGES FACING RURAL EDUCATION SYSTEMS AND THE STRATEGIES EMPLOYED IN ADVOCATING FOR CHANGE AND IMPROVEMENT. CANDIDATES WILL EXPLORE THE MULTIFACETED ISSUES IMPACTING RURAL EDUCATION TODAY, SUCH AS ACCESS TO RESOURCES, EQUITY, DIVERSITY, TECHNOLOGICAL INTEGRATION, AND COMMUNITY ENGAGEMENT. THE COURSE ALSO EMPHASIZES THE ROLE OF ADVOCACY IN ADDRESSING THESE CHALLENGES AND FOSTERING POSITIVE CHANGE IN RURAL EDUCATIONAL SETTINGS.

EDUC-6013 History and Foundations of Rural Education **3 Credits**
IN THIS COURSE CANDIDATES WILL EXPLORE THE HISTORICAL CONTEXT AND FUNDAMENTAL PRINCIPLES THAT SHAPE RURAL EDUCATION SYSTEM. THE COURSE EXAMINES THE DISTINCTIVE CHALLENGES, OPPORTUNITIES, AND EDUCATIONAL PHILOSOPHIES RELEVANT TO TEACHING AND LEARNING IN RURAL AREAS. THE COURSE SURVEYS THE EVOLUTION OF RURAL EDUCATION FROM EARLY AGRARIAN SOCIETIES TO CONTEMPORARY TIMES, INVESTIGATING THE SOCIO-CULTURAL, ECONOMIC, AND GEOGRAPHIC FACTORS INFLUENCING ITS DEVELOPMENT.

EDUC-6023 Leading Special Programs in Rural Education **3 Credits**
THIS IS A SPECIALIZED COURSE DESIGNED TO EQUIP EDUCATORS AND ADMINISTRATORS WITH THE KNOWLEDGE AND SKILLS NECESSARY TO EFFECTIVELY MANAGE AND LEAD SPECIALIZED EDUCATIONAL PROGRAMS IN RURAL SETTINGS. THIS COURSE DELVES INTO THE UNIQUE CHALLENGES AND OPPORTUNITIES INHERENT IN PROVIDING SPECIALIZED EDUCATION SERVICES IN RURAL AREAS.

EDUC-6033 Organizational Change/Strategic Planning In Rural Education **3 Credits**
THIS COURSE AIMS TO EQUIP STUDENTS WITH THE KNOWLEDGE, TOOLS, AND SKILLS NECESSARY TO EFFECTIVELY LEAD AND MANAGE ORGANIZATIONAL CHANGE WHILE STRATEGICALLY PLANNING FOR IMPROVEMENT IN THE UNIQUE CONTEXTS OF RURAL EDUCATIONAL SETTINGS.

EDUC-6043 Advanced Public School Finance in Rural Education **3 Credits**
THIS COURSE IS DESIGNED TO PROVIDE STUDENTS WITH ADVANCED KNOWLEDGE AND PRACTICAL INSIGHTS INTO THE INTRICATE LANDSCAPE OF PUBLIC SCHOOL FINANCE IN RURAL EDUCATION, ENABLING THEM TO CRITICALLY ANALYZE FINANCIAL STRUCTURES, ADDRESS CHALLENGES, AND PROPOSE EFFECTIVE SOLUTIONS WITHIN RURAL EDUCATIONAL SETTINGS.

EDUC-6053 Applied Dissertation/Capstone/Seminar/ Orientation **3 Credits**
IN THIS COURSE CANDIDATES EXPLORE THE WORKINGS AND REQUIREMENTS OF THE EDD PROGRAM, ESPECIALLY DISCUSSIONS ABOUT THE LOGISTICS AND REQUIREMENTS OF AN APPLIED DISSERTATION/CAPSTONE.

EDUC-6063 Quantitative and Qualitative Research **3 Credits**
THIS COURSE PROVIDES AN IN-DEPTH EXPLORATION OF BOTH QUANTITATIVE AND QUALITATIVE RESEARCH METHODOLOGIES COMMONLY USED IN SOCIAL SCIENCES INCLUDING MIXED METHODS, ETC. IT AIMS TO EQUIP STUDENTS WITH THE THEORETICAL FOUNDATIONS, PRACTICAL SKILLS, AND CRITICAL THINKING REQUIRED TO DESIGN, CONDUCT, AND ANALYZE RESEARCH IN DIVERSE SOCIAL CONTEXTS.

EDUC-A2312 Sp Ed Practicum & Procedures-Mntl Rtd **2 Credits**
A COURSE DESIGNED TO PROVIDE SUPERVISED OPPORTUNITIES FOR OBSERVATIONAND CONTACT WITH EXCEPTIONAL CHILDREN SO THAT THE STUDENT MIGHT HAVE ANOVERALL VIEW OF ACTIVITIES ENCOMPASSED IN THE TEACHING OF SPECIAL EDUCATION.

EDUC-A4912 Spec Ed Practicum & Procedures-Mr **2 Credits**
PREREQ.: SIX HOURS OF EDUCATION METHODS COURSES OR DEPARTMENTAL APPROVAL. CAMPUS SEMINARS AND SUPERVISED EDUCATION FIELD EXPERIENCES WITH EXCEPTIONAL CHILDREN IN THE CLASSROOM OR THERAPEUTIC SETTING.

EDUC-B2312 Special Education Practicum and Procedures (Area named in title listing) **2 Credits**
A COURSE DESIGNED TO PROVIDE SUPERVISED OPPORTUNITIES FOR OBSERVATION AND CONTACT WITH EXCEPTIONAL CHILDREN SO THAT THE STUDENT MIGHT HAVE AN OVERALL VIEW OF ACTIVITIES ENCOMPASSED IN THE TEACHING OF SPECIAL EDUCATION.

EDUC-B4912 Special Education Practicum and Procedures (Area named in title listing) **2 Credits**
PREREQ.: SIX HOURS OF EDUCATION METHODS COURSES OR DEPARTMENTAL APPROVAL. CAMPUS SEMINARS AND SUPERVISED EDUCATION FIELD EXPERIENCES WITH EXCEPTIONAL CHILDREN IN THE CLASSROOM OR THERAPEUTIC SETTING.

EDUC-H2402 Honors-Survey of Exceptional Children **2 Credits**
AN INTRODUCTION TO INTELLECTUAL, BEHAVIORAL, SENSORY, PHYSICAL, AND LEARNING DEVELOPMENT OF SPECIAL NEEDS STUDENTS WITHIN THE GENERAL EDUCATION CLASSROOM. STUDENTS WILL GAIN UNDERSTANDING OF THE IMPACT DEVELOPMENTAL NEEDS OF LEARNERS IN A DIVERSE CLASSROOM ENVIRONMENT. STUDENTS WILL GAIN UNDERSTANDING OF BOTH STATE AND FEDERAL REGULATIONS WHICH IMPACT STUDENTS WITH EXCEPTIONALITIES. A MINIMUM OF FIFTEEN HOURS INTERACTION WITH INDIVIDUALS WHO HAVE DISABILITIES IS REQUIRED IN THIS COURSE.

EDUC-H3013 Honors-Foundations and Current Issues in Early Childhood **3 Credits**
TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED ABOUT FOUNDATIONAL READING AND WRITING THEORIES TO INCORPORATE FOUNDATIONAL COMMUNICATION AND READING SKILLS NECESSARY TO PROMOTE EARLY LITERACY DEVELOPMENT. CANDIDATES WILL DEVELOP COMPETENCY AND APPLY KNOWLEDGE OF COMPONENTS OF EMERGENT LITERACY, INCLUDING ORAL LANGUAGE DEVELOPMENT, DECODING, FLUENCY

DEVELOPMENT AND WRITING AND SPELLING STRATEGIES TO PLAN FOCUSED, INTENSIVE INSTRUCTION TO MEET THE DIVERSE READING AND ORAL COMMUNIC Required Previous: Take EDUC-3463

EDUC-H3333 Honors- Methods in Creative Arts for Young Children 3 Credits
STUDY AND APPLICATION OF DEVELOPMENTALLY APPROPRIATE SYNTHESIZED CREATIVE ARTS EXPERIENCES THROUGH THE INTEGRATION OF INSTRUCTIONAL CONTENT AND METHODS ASSOCIATED WITH PLAY, MOVEMENT, MUSIC/RHYTHMIC, AND VISUAL ARTS EXPLORATION THAT ALLOWS FOR INDIVIDUAL VARIATIONS OF EXPRESSION FOR EARLY CHILDHOOD AND ELEMENTARY-AGE LEARNERS AS WELL AS DEVELOPMENT OF EXECUTIVE FUNCTION SKILLS.

EDUC-H3413 Honors- Methods in Elementary Language Arts 3 Credits
METHODS AND TECHNIQUES OF TEACHING DEVELOPMENT OF SKILLS IN LISTENING, SPEAKING, WRITING AND SPELLING IN THE ELEMENTARY GRADES.

EDUC-H3463 Honors-Foundations of Reading 3 Credits
STUDENTS WILL DEMONSTRATE AND APPLY KNOWLEDGE LEARNED FROM FOUNDATIONAL READING THEORIES INCLUDING READING DEVELOPMENT THROUGH PROCESSES OF EMERGENT READING INCLUDING PRINT AWARENESS, PHONOLOGICAL AND PHONEMIC AWARENESS AND PHONICS LEADING TO FLUENT READING. STUDY ALSO INCLUDES LEARNING AND APPLICATION OF FOUNDATIONAL EMERGENT WRITING STAGES OF PRELITERATE, EMERGENT, TRANSITIONAL TO FLUENT.

EDUC-H3483 Honors-Methods of Reading 3 Credits
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO TEACH THE ELEMENTARY TRANSITION FROM LEARNING TO READ TO READING TO LEARN. THIS COURSE COVERS ALL ELEMENTARY GRADES, BUT WILL FOCUS ON STUDENTS IN GRADES 3-6.INSTRUCTIONAL STRATEGIES AND LEARNING ACTIVITIES CENTER ON USING READING STRATEGIES ACROSS THE CURRICULUM TO ENHANCE LEARNING, THE RECIPROCAL PROCESS OF READING AND WRITING INSTRUCTION, VOCABULARY DEVELOPMENT, FLUENCY, AND COMPREHENSION INSTRUCTION.

EDUC-H3493 Honors-Diagnosis and Remediation of Reading Difficulties 3 Credits
TEACHER CANDIDATES WILL ADMINISTER FORMATIVE AND SUMMATIVE ASSESSMENTS TO BOTH DETERMINE AND ENHANCE THE DIVERSE READING DEVELOPMENTAL NEEDS OF EARLY CHILDHOOD AND ELEMENTARY STUDENTS. CANDIDATES WILL UTILIZE ASSESSMENT DATA TO INFORM, MONITOR, AND PLAN DIFFERENTIATED FOCUSED AND INTENSIVE READING INSTRUCTION FOR BOTH SMALL GROUP AND INDIVIDUAL LEARNING TO ENHANCE THE DIVERSE NEEDS OF STRUGGLING READERS IN THE EARLY CHILDHOOD AND ELEMENTARY CLASSROOMS. Required Previous: Take EDUC-3463

EDUC-H3503 Honors-Methods in Elementary Mathematics -Primary 3 Credits
APPLY MAJOR MATHEMATICS PRACTICES AND PROCESSES THROUGH PLANNING INSTRUCTIONAL STRATEGIES AND ENGAGING LEARNING ACTIVITIES TO CREATE CONNECTIONS BETWEEN MATHEMATICAL PRACTICES AND APPROPRIATE MATH CONTENT/CONCEPTS TO MEET THE MATHEMATICAL LEARNING NEEDS OF PK THROUGH 3RD GRADE STUDENT POPULATIONS. TEACHER CANDIDATES WILL ALSO APPLY SUMMATIVE AND FORMATIVE ASSESSMENT TECHNIQUES TO MONITOR STUDENT LEARNING AND TO GUIDE INSTRUCTIONAL PRACTICES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTURALLY AND LI

EDUC-H3513 Honors-Methods in Elementary Mathematics -Intermediate 3 Credits
APPLY MAJOR MATHEMATICS PRACTICES AND PROCESSES THROUGH PLANNING INSTRUCTIONAL STRATEGIES AND ENGAGING LEARNING ACTIVITIES TO CREATE CONNECTIONS BETWEEN MATHEMATICAL PRACTICES AND APPROPRIATE MATH CONTENT/CONCEPTS TO MEET THE MATHEMATICAL LEARNING NEEDS OF 4TH THROUGH 8TH GRADE ELEMENTARY STUDENT POPULATIONS. TEACHER CANDIDATES WILL ALSO APPLY SUMMATIVE AND FORMATIVE ASSESSMENT TECHNIQUES TO MONITOR STUDENT LEARNING AND TO GUIDE INSTRUCTIONAL PRACTICES THAT ARE DEVELOPMENTALLY APPROPRIATE, CULTU

EDUC-H3613 Honors- Methods in Elementary Natural Science 3 Credits
DEMONSTRATION AND APPLICATION IN DEVELOPING TEACHING METHODS WITHIN PHYSICAL SCIENCE, LIFE SCIENCE, EARTH AND SPACE SCIENCE, AND ENGINEERING DESIGN USING THE THREE DIMENSIONS: 1) SCIENCE AND ENGINEERING PRACTICES, 2) CROSS-CUTTING CONCEPTS, AND 3) DISCIPLINARY CORE IDEAS. STUDENTS PLAN INSTRUCTION INCLUDING GOALS, MATERIALS, LEARNING ACTIVITIES AND ASSESSMENTS FOR DIVERSE STUDENT POPULATIONS, INCLUDING VARIOUS INSTRUCTIONAL PRACTICES AND DIFFERENTIATION. CLASS ACTIVITIES UTILIZE PROFESSIONAL LEA

EDUC-H3713 Honors-Methods in Elementary Social Studies 3 Credits
METHODS AND TECHNIQUES FOR PREPARING TEACHER CANDIDATES TO USE MATERIALS AND UNDERSTAND THE PROCEDURES FOR TEACHING HISTORY, CIVICS, GEOGRAPHY SKILLS, CURRENT EVENTS, EARLY ECONOMICS AND ANTHROPOLOGY CONCEPTS. SPECIAL EMPHASIS WILL BE PLACED ON USING LITERACY STRATEGIES IN ORDER TO CONVEY SOCIAL STUDIES CONTENT AND USING THE INQUIRY PROCESS AND HANDS-ON ACTIVITIES TO FACILITATE DIVERSE ELEMENTARY STUDENT LEARNING.

EDUC-H3753 Honors-Methods in Early Childhood Education 3 Credits
TEACHER CANDIDATES WILL PLAN LEARNING ACTIVITIES TO DEMONSTRATE THEIR UNDERSTANDING OF THE DIVERSE FACTORS CONCERNING THE GROWTH, DEVELOPMENT AND LEARNING OF CHILDREN IN EARLY CHILDHOOD EDUCATION. CURRICULUM FOCUS WILL BE CENTERED UPON AGE AND DEVELOPMENTALLY APPROPRIATE CURRICULAR CONTENT AND TEACHING MATERIALS FOR YOUNG CHILDREN. TEACHER CANDIDATES WILL APPLY KNOWLEDGE OF BUILDING RELATIONSHIPS WITH FAMILIES TO GAIN INSIGHT TO THE VARIOUS LEARNING AND DEVELOPMENTAL NEEDS OF CHILDREN.

EDUC-H3823 Honors-Introduction to Students With Mild Disabilities 3 Credits
THIS COURSE WILL EXPLORE THE PHILOSOPHICAL AND HISTORICAL FOUNDATIONS OFSPECIAL EDUCATION FOR STUDENTS WITH MILD DISABILITIES, CHARACTERISTICSOF STUDENTS WITH MILD DISABILITIES, AND PROFESSIONAL ETHICAL PRACTICES I N THE FIELD OF SPECIAL EDUCATION.

EDUC-H4133 Honors-Methods in Teaching the Mentally Retarded and Physically Disabled 3 Credits
A STUDY OF POLICY AND PROCEDURES IN SPECIAL EDUCATION AND CURRICULARCONTENT, TEACHING METHODS AND LEARNING CHARACTERISTICS OF CHILDREN WITHMENTAL RETARDATION AND PHYSICAL DISABILITIES.

EDUC-H4262 Honors-Student Teaching Seminar I Assessment and Professional Learning 2 Credits
DURING THIS SEMINAR COURSE THE TEACHER WORK SAMPLE WILL BE COMPLETED. Required Previous or Concurrent: Take two sections of the following: EDUC-4954 OR EDUC-4964 OR EDUC-4974

EDUC-H4632 Honors-Educational Technology Integration Strategies **2 Credits**
THIS COURSE INCLUDES INCORPORATION OF TECHNOLOGY INSTRUCTION, DIGITAL COMMUNICATION AND ONLINE CLASSROOM MATERIALS GIVING TEACHER CANDIDATES OPPORTUNITIES TO INCORPORATE BOTH DIGITAL AND ONLINE RESOURCES AS INSTRUCTIONAL TOOLS. TEACHER CANDIDATES WILL DEMONSTRATE AND APPLY UNDERSTANDINGS OF BOTH DIGITAL AND ONLINE RESOURCES IN USING TECHNOLOGY FOR ENHANCEMENT AND DIFFERENTIATION OF INSTRUCTIONAL STRATEGIES FOR DIVERSE STUDENT LEARNING POPULATIONS. Required Previous: Take EDUC-3001

EDUC-H4813 Honors-Nature and Characteristics of Children With Mental Retardation **3 Credits**
COMPREHENSIVE STUDY OF MENTAL RETARDATION INCLUDING THE HISTORY, CLASSIFICATION SYSTEMS, ETIOLOGIES AND SYNDROMES, THEORETICAL APPROACHES TO ANDEDUCATIONAL PROGRAMS FOR CHILDREN WITH MENTAL RETARDATION.

EDUC-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-S4981 Need Name **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EDUC-S5981 Need Name **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EDUC-S5982 Need Name **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(EHS)

EHS-1114 Introduction to Environmental Health Science **4 Credits**
STUDY OF THE INTERACTIONS BETWEEN HUMANS AND THEIR ENVIRONMENT AND THE ADMINISTRATIVE AND PHYSICAL MEASURES USED TO PROTECT HUMAN HEALTH AND THE NATURAL ENVIRONMENT. EMPHASIS GIVEN TO ENVIRONMENTAL AND PUBLIC HEALTH TOPICS OF CURRENT CONCERN. Required Previous or Concurrent: Class Pre-requisite(s): 19 on ACT-Science or SAT equivalent, PHSCI-0123, or Placement exam.

EHS-1114L Introduction to Environmental Health Science Lab **0 Credits**
LAB FOR EHS-1114 Required Concurrent: EHS-1114

EHS-2223 Watershed Management **3 Credits**
A BASIC INTRODUCTION TO WATERSHED MANAGEMENT. THE COURSE COVERS THE MOST IMPORTANT WATERSHED MANAGEMENT TOPCIS, ABOUT WHICH WATERSHED MANAGERS, LOCAL OFFICIALS, INVOLVED CITIZENS, DECISION MAKERS, NATURAL RESOURCE MANAGERS AND OTHERS SHOULD HAVE AT LEAST AN INTRODUCTORY LEVEL OF KNOWLEDGE. THE COURSE IS AN EXPANDED VERSION OF THE US-EPA'S WATERSHED ACADEMY, AND STUDENTS WHO SUCCESSFULLY COMPLETE THE COURSE WILL RECEIVE CERTIFICATION.

EHS-2313 Solid and Hazardous Waste Management **3 Credits**
A COMPREHENSIVE STUDY OF THE SOLID WASTE PROBLEM WITH EMPHASIS ON RCRA AND HAZARDOUS WASTE MANAGEMENT.

EHS-2413 Radiologic Health **3 Credits**
AN INTRODUCTION IN RADIOLOGICAL HEALTH INCLUDING SOURCES OF RADIATION, TYPES OF RADIATION, DETECTION AND CONTROL MEASURES, AND PERSONNEL PROTECTION FROM RADIATION SOURCES.

EHS-2613 Occupational Health & Safety **3 Credits**
AN INTRODUCTION TO THE OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970. THE COURSE INCLUDES THE RECOGNITION, EVALUATION, AND CONTROL OF HEALTH AND SAFETY HAZARDS IN THE WORK ENVIRONMENT.

EHS-2713 Environmental Economics **3 Credits**
A STUDY OF THE BASIC PRINCIPLES OF ECONOMICS, AND THEIR IMPLICATIONS AND APPLICATIONS TO ENVIRONMENTAL POLICY, REGULATION AND ENVIRONMENTAL HEALTH SCIENCE.

EHS-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-3114 Epidemiology **4 Credits**
A STUDY OF THE ETIOLOGY AND CHARACTERISTICS OF THE PRINCIPAL DISEASES OF MAN AND THE CONTROL OF INFECTED INDIVIDUALS AND ENVIRONMENTS. METHODS OF PRESENTING AND INTERPRETING EPIDEMICITY AND ENDEMICITY ARE PRESENTED. LABORATORY AND FIELD EXPERIENCES ARE PROVIDED. Required Previous: MATH-1513

EHS-3114L Epidemiology Lab **0 Credits**
LAB FOR EHS-3114 Required Concurrent: EHS-3114

EHS-3153 Policy and Practices in Environmental Health 3 Credits
THE LEGAL AND FINANCIAL BASIS OF ENVIRONMENTAL AND PUBLIC HEALTH PROGRAMS, POLICIES AND MANAGEMENT PRACTICES UTILIZED TO PROTECT INDIVIDUAL, COMMUNITY, AND OCCUPATIONAL HEALTH. TOPICS INCLUDE STATE AND FEDERAL AGENCIES AND THEIR REGULATION OF AIR, WATER, WASTE, AND OCCUPATIONAL HEALTH.

EHS-3543 Water Resources 3 Credits
A COMPREHENSIVE STUDY OF WATER RESOURCES WITH SPECIAL EMPHASIS ON PROTECTION OF WATER QUALITY AND REMEDIATION OF CONTAMINATED WATER RESOURCES. Required Previous: EHS-1114

EHS-3553 Environmental Contaminants 3 Credits
A STUDY OF AIR AND WATER QUALITY. TOPICS INCLUDE POLLUTION SOURCES, EFFECTS, DISTRIBUTION, ASSESSMENT, CONTROL AND TREATMENT MEASURES. Required Previous: CHEM-1114

EHS-3603 Air Quality 3 Credits
THE FUNDAMENTALS OF AIR POLLUTION PHENOMENA, EFFECTS, AND APPLICABLE CONTROL MEASURES. Required Previous: CHEM-1114

EHS-3703 Biostatistics 3 Credits
A STUDY OF STATISTICAL METHODS COMMONLY USED IN ENVIRONMENTAL AND LIFE SCIENCE. TOPICS INCLUDE DESCRIPTIVE AND INFERENTIAL STATISTICS AND OTHER RELATED CALCULATIONS. Required Previous: MATH-1513

EHS-3803 Environmental Toxicology 3 Credits
A STUDY OF THE POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS. Required Previous: CHEM-1114

EHS-4013 Native American Environmental and Health Issues 3 Credits
A STUDY OF THE RANGE OF ENVIRONMENTAL AND HEALTH ISSUES IMPACTING NATIVE AMERICANS PAST AND PRESENT. INCLUDED IN THE STUDY IS A HISTORY OF THESE ISSUES FROM FIRST CONTACT, THE RESERVATION PERIOD, CREATION OF THE INDIAN HEALTH SERVICE TO SELF-GOVERNANCE. Required Previous: EHS-1114

EHS-4113 Institutional Environmental Health 3 Credits
RECOGNITION, EVALUATION, AND CONTROL MEASURES OF VARIABLES AFFECTING THE ENVIRONMENTAL HEALTH ASPECTS OF WORK HABITS, SCHOOLS, CAMPS, HOSPITALS, NURSING HOMES, DAY CARE CENTERS, AND OTHER PUBLIC FACILITIES ARE PRESENTED. Required Previous: EHS-1114

EHS-4143 Food Hygiene and Consumer Protection 3 Credits
A STUDY OF THE HEALTH EFFECTS OF FOOD AND MILKBORNE DISEASES, INCLUDING A DISCUSSION OF FOOD AND MILK AS VEHICLES OF INFECTION, ESSENTIALS OF MILK AND FOOD QUALITY, AND STANDARDS FOR FOOD SERVICE EQUIPMENT. Required Previous: EHS-1114

EHS-4203 Community Health 3 Credits
A STUDY OF COMMUNITY HEALTH'S HISTORY, PROGRESSION, AND PROMOTION OF PREVENTITIVE METHODS. CURRENT ISSUES IN ENVIRONMENTAL/COMMUNITY HEALTH ARE REVIEWED. TOPICS INCLUDE FOOD AND MILK PROTECTION; HEALTH PROGRAM ASPECTS OF AIR, WATER AND SOLID WASTE, MEASURES FOR THE ABATEMENT AND CONTROL OF DISEASE VECTORS, CODE ENFORCEMENT FOR SEPTIC SYSTEMS, SWIMMING POOLS, AND PRIVATE WATER WELLS, INJURY PREVENTION, PUBLIC/COMMUNITY/OCCUPATIONAL HEALTH RISK ASSESSMENTS. Required Previous: EHS-1114

EHS-4503 Chronic Disease and Global Health 3 Credits
A STUDY OF THE CHRONIC DISEASES FACING THE UNITED STATES SUCH AS HEART DISEASE, DIABETES, AND CANCER. HEALTH ISSUES OF A GLOBAL NATURE SUCH AS CHRONIC DISEASES, INFECTIOUS DISEASES AND MENTAL HEALTH ARE REVIEWED. Required Previous: EHS-1114

EHS-4553 Environmental and Organic Chemistry 3 Credits
INTRODUCTION TO THE CHEMISTRY OF THE NATURAL ENVIRONMENT AND FATE, TRANSPORT AND SIGNIFICANCE OF ORGANIC CHEMICAL CONTAMINANTS. Required Previous: CHEM-1114

EHS-4703 Consumer Risk and Protection 3 Credits
THIS COURSE EXPLORES THE ROLE OF FOOD AS A VEHICLE OF INFECTION, EMPHASIZING FOOD SAFETY, QUALITY STANDARDS, AND CONSUMER PROTECTION. IT INTEGRATES RISK ASSESSMENT TECHNIQUES WITH FOOD SAFETY, ENVIRONMENTAL FACTORS, AND HAZARD MANAGEMENT. TOPICS INCLUDE ENVIRONMENTAL ASSESSMENT, RISK MANAGEMENT, AND STRATEGIES FOR ACCIDENT PREVENTION, WITH A FOCUS ON ENSURING FOOD SAFETY AND PROTECTION. Required Previous: EHS-1114 or department approval

EHS-4802 Environmental Health Laboratory 2 Credits
A STUDY OF MODERN EQUIPMENT USED IN THE ASSESSMENT OF ENVIRONMENTAL QUALITY. TOPICS INCLUDE CALIBRATION AND SAMPLING METHODS USED IN MEASUREMENTS OF AIR, WATER, AND SOIL CONTAMINANTS. Required Previous: EHS-1114

EHS-4943 Field Experience in Environmental/Public Health 3 Credits
EACH STUDENT IS REQUIRED TO COMPLETE AT LEAST ONE, 3 SEMESTER HOUR FIELD TRAINING WITHIN A ONE SEMESTER TIME PERIOD CONSISTING OF A MINIMUM OF 180 HOURS OF EMPLOYMENT OR VOLUNTEER SERVICE IN AN APPROVED SETTING. THE COURSE MAY BE REPEATED ONCE FOR THE PURPOSE OF RECEIVING 6 TOTAL SEMESTER CREDIT HOURS EITHER DURING SEPARATE PORTIONS OF THE SAME SEMESTER OR DURING A DIFFERENT SEMESTER.

EHS-4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4982 Seminar- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4983 Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4984 Seminar- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4991 Individual Study in Environmental Science 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4992 Individual Study in Environmental Science 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4993 Individual Study in Environmental Science 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-4994 Individual Study in Environmental Science 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

EHS-5223 Watershed Management 3 Credits
ADVANCED STUDY OF WATERSHED MANAGEMENT. THE COURSE COVERS THE MOST IMPORTANT WATERSHED MANAGEMENT TOPICS ABOUT WHICH WATERSHED MANAGERS, LOCAL OFFICIALS, INVOLVED CITIZENS, DECISION MAKERS, NATURAL RESOURCES MANAGERS AND OTHERS SHOULD HAVE AT LEAST AN INTRODUCTORY LEVEL OF KNOWLEDGE. CREDIT CANNOT BE APPLIED FROM BOTH EHS-5223 AND WRPM-5223.

EHS-5553 Water Quality and Treatment 3 Credits
ADVANCED GRADUATE STUDY OF THE PROPERTIES, DISTRIBUTION AND UTILIZATION OF WATER IN NATURAL AND MAN-MADE SYSTEMS; CONVENTIONAL WATER AND WASTEWATER TREATMENT PRACTICES ARE PRESENTED.

EHS-5802 Environmental Health Lab 2 Credits
ADVANCED STUDY MODERN EQUIPMENT USED IN THE ASSESSMENT OF ENVIRONMENTAL QUALITY. TOPICS INCLUDE CALIBRATION AND SAMPLING METHODS USED IN MEASUREMENTS OF AIR, WATER, AND SOIL CONTAMINANTS.

EHS-5803 Environmental Toxicology 3 Credits
ADVANCED GRADUATE STUDY OF THE POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS. CREDIT CANNOT BE OBTAINED FOR BOTH WRPM-5803 AND EHS-5803.

EHS-5981 Seminar in Environmental Science 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5982 Seminar in Environmental Science 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5983 Seminar in Environmental Science 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5984 Seminar in Environmental Science 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

EHS-5991 Individual Study in Environmental Health Science 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) from Environmental Health Science

EHS-5992 Individual Study in Environmental Health Science 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelver (12) hours from Environmental Health Science

EHS-5993 Individual Study in Environmental Health Science 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours from Environmental Health Science

EHS-5994 Individual Study in Environmental Health Science 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours from Environmental Health Science

EHS-H2613 Honors-Occupational Health and Safety 3 Credits
AN INTRODUCTION TO THE OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970. THE COURSE INCLUDES THE RECOGNITION, EVALUATION, AND CONTROL OF HEALTH AND SAFETY HAZARDS IN THE WORK ENVIRONMENT. Required Previous: MATH-1513

EHS-H3153 Honors-Envrmntal Health Administration 3 Credits
THE STRUCTURE AND OPERATION OF ENVIRONMENTAL AND PUBLIC HEALTH ADMINISTRATIVE AGENCIES. THE LEGAL AND FINANCIAL BASIS OF REGULATORY PROGRAMS AND MANAGEMENT PRACTICES UTILIZED TO PROTECT INDIVIDUALS, COMMUNITIES AND THE NATURAL ENVIRONMENT.

EHS-H3603 Honors-Air Quality **3 Credits**
THE FUNDAMENTALS OF AIR POLLUTION PHENOMENA, EFFECTS, AND APPLICABLE CONTROL MEASURES. Required Previous: CHEM-1114

EHS-H3803 Honors-Environmental Toxicology **3 Credits**
A STUDY OF THE POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS. Required Previous: CHEM-1114

EHS-H4203 Honors-Community Health **3 Credits**
A STUDY OF COMMUNITY HEALTH'S HISTORY, PROGRESSION, AND PROMOTION OF PREVENTITIVE METHODS. CURRENT ISSUES IN ENV/COMM HLTH ARE REVIEWED. TOPICS INCLUDE FOOD AND MILK PROTECTION, HLTH PROGRAM ASPECTS OF AIR, WATER AND SOLID WASTE, MEASURES FOR THE ABATEMENT AND CONTROL OF DISEASE VECTORS, CODE ENFORCEMENT FOR SEPTIC SYSTEMS, SWIMMING POOLS, AND PRIVATE WATER WELLS, INJURY PREVENTION, PUBLIC/COMMUNITY/OCCUPATIONAL HEALTH RISK ASSESSMENTS. Required Previous: EHS-1114

EHS-H4553 Honors-Environmental & Organic Chemistry **3 Credits**
INTRODUCTION TO THE CHEMISTRY OF THE NATURAL ENVIRONMENT AND FATE, TRANSPORT AND SIGNIFICANCE OF ORGANIC CHEMICAL CONTAMINANTS. Required Previous: CHEM-1114

EHS-H4983 Honors-Seminar in Environmental Sci **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(ENG)

ENG-0111 Developmental Reading **1 Credit**
THROUGH DIAGNOSTIC PROCEDURES AN INDIVIDUALIZED READING IMPROVEMENT PROGRAM WILL BE DEVELOPED. THE INDIVIDUALIZED DIAGNOSTIC PROFILE WILL FOCUS UPON VOCABULARY AND READING COMPREHENSION IMPROVEMENT. GRADING IS P OR F. Required Concurrent: Co-req ENG-1113

ENG-0123 Fundamentals of English **3 Credits**
USING A HOLISTIC WRITING APPROACH, STUDENTS WRITE PARAGRAPHS AND ESSAYS, FOCUSING ON PROCESS, AUDIENCE, SENTENCE STRUCTURE, ORGANIZATION, CONTENT, AND FLUENCY, IN A VARIETY OF MODES. STUDY OF GRAMMAR, USAGE, AND MECHANICS ARE DETERMINED BY NEED. DOES NOT COUNT IN LIEU OF ENGLISH 1113 AND 1213 AND DOES NOT COUNT FOR DEGREE CREDIT. GRADING IS P OR F.

ENG-0211 Freshman Composition I Writing Lab **1 Credit**
WRITING LAB TO SERVE AS A CO-REQUISITE FOR FRESHMAN COMPOSITION I FOR STUDENTS WHO SCORED BELOW THE RECOMMENDED ACT SCORE FOR PLACEMENT INTO FRESHMAN COMPOSITION I. COURSE MUST BE TAKEN AS A CO-REQUISITE WITH FRESHMAN COMPOSITION I. ENROLLMENT BY APPROVAL ONLY.

ENG-1113 Freshman Composition I **3 Credits**
STUDENTS WRITE COHERENT, ORGANIZED, AND MECHANICALLY-PROFICIENT SHORT ESSAYS, USING A VARIETY OF RHETORICAL STRATEGIES, INCLUDING BASIC CONCEPTS OF PERSUASION, SUPPORT, AND DOCUMENTATION. Required Previous or Concurrent: Must have an ACT English subject score of 19, OR have a SAT English subject score of 510, OR have completed Eng-0123, OR have tested out of a english deficiency in Accuplacer, OR enroll in Eng-0211 at the same time as Eng-1113.

ENG-1213 Freshman Composition II **3 Credits**
STUDENTS APPLY SKILLS DEVELOPED IN ENGLISH 1113 WITH EMPHASIS ON LONGER ESSAYS, EXTENSIVE SOURCE-BASED RESEARCH, AND ARGUMENTATION. IT IS RECOMMENDED STUDENTS TAKE THIS COURSE THE SEMESTER FOLLOWING 1113. Required Previous: ENG-1113

ENG-2243 Introduction to Creative Writing **3 Credits**
AN INTRODUCTION TO THE PROCESS OF CREATING ORIGINAL FICTION, POETRY, AND OTHER FORMS.

ENG-2423 American Literature to 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM BEGINNINGS TO 1865.

ENG-2433 American Literature Since 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM 1865 TO THE PRESENT.

ENG-2513 Introduction to Literary Study **3 Credits**
AN INTRODUCTION TO THE USE OF LIBRARY RESOURCES AND APPROACHES TO CONTEMPORARY LITERAY CRITICISM. Required Previous: TAKE ENG-1213 OR HNRS-2313

ENG-2643 British Literature to 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS BETWEEN 449 AND 1800.

ENG-2653 British Literature Since 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS FROM 1800 TO THE PRESENT.

ENG-2713 Publications Practicum-Originals **3 Credits**
WORK ON ORIGINALS, THE CAMPUS LITERARY AND ART MAGAZINE, SPONSORED BY THE DEPARTMENT OF ENGLISH AND LANGUAGES, AND ON WRITE ON, THE DEPARTMENT'SPUBLICATION OF OUTSTANDING COMPOSITION ESSAYS. CAN BE TAKEN TWICE FOR CREDIT, BUT ONLY THREE HOURS COUNT TOWARDS THE MAJOR. Required Previous: ENG-1213 OR HNRS-2313

ENG-2881 Special Studies in English **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-2882 Special Studies in English **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-2883 Special Studies in English **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-2884 Special Studies in English **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-3113 Advanced Writing **3 Credits**
PRACTICE IN NARRATIVE, DESCRIPTIVE, AND PERSUASIVE MODES OF DISCOURSE. Required Previous: ENG-1213 OR HNRS-2313

ENG-3143 Introduction to Film **3 Credits**
A BROAD SURVEY OF THE GENRE, INCLUDING ITS HISTORY, AND A SURVEY OF RELATED FORMS OF NONPRINT MEDIA.

ENG-3183 Technical and Professional Writing **3 Credits**
STUDY AND PRACTICE OF TECHNICAL AND PROFESSIONAL WRITING IN BOTH IN-HOUSE AND PUBLISHED DOCUMENTS. DEVELOPING AND COLLECTING INFORMATION AND INCORPORATING IT INTO TECHNICAL AND PROFESSIONAL PAPERS, REPORTS, PROPOSALS, MEMORANDA. Required Previous: ENG-1213 OR HNRS-2313

ENG-3193 Persuasive Writing and Logic **3 Credits**
EMPHASIZES PRINCIPLES OF LOGIC AND PERSUASION IN RHETORICAL ANALYSIS AND ARGUMENTATIVE WRITING FOR A VARIETY OF AUDIENCES. INCLUDES ANALYSIS AND COMPOSITION OF PRINT AND NON-PRINT TEXTS. Required Previous: ENG-1213 OR HNRS-2313

ENG-3213 Shakespeare **3 Credits**
ORIGIN AND DEVELOPMENT OF THE DRAMA, LIFE AND TIMES OF SHAKESPEARE, THE SHAKESPEAREAN THEATRE, READING OF SELECTED PLAYS.

ENG-3343 Composing Theories and Practice **3 Credits**
IN-DEPTH STUDY OF VARIOUS THEORIES AND RESEARCH REGARDING THE PROCESS WRITERS FOLLOW AS THEY COMPOSE. RELATES COMPOSING PROCESS MODELS TO CLASSROOM PRACTICE. Required Previous: ENG-1213 OR HNRS-2313

ENG-3363 Critical Approaches to Literature **3 Credits**
EXPLORES VARIOUS METHODOLOGIES IN LITERARY CRITICISM. Required Previous: TAKE ENG-2513 AND ENG-3913 OR ENG-3923 OR ENG-2423 OR ENG-2643 OR ENG-2653

ENG-3373 Creative Writing: Genre **3 Credits**
ORIGINAL COMPOSITION SPECIALIZING IN POETRY, FICTION, OR OTHER GENRES OF CREATIVE WRITING. MAY BE REPEATED FOR CREDIT.

ENG-3733 Teaching of Literature in Secondary School **3 Credits**
STUDIES HOW TO USE A VARIETY OF PRINT, NONPRINT, AND DIGITAL RESOURCES AND TECHNOLOGIES TO PLAN COHERENT, RELEVANT, STANDARDS-ALIGNED, ANTIRACIST/ANTIBIAS, AND DIFFERENTIATED LITERACY INSTRUCTION THAT INCORPORATES THEORIES, RESEARCH, AND KNOWLEDGE OF ELA TO SUPPORT AND ENGAGE ALL LEARNERS IN MEETING LEARNING GOALS. EVALUATES STRATEGIES FOR CHOOSING AND TEACHING AND ASSESSING A VARIETY OF LITERATURE, WITH A PARTICULAR FOCUS ON TEACHING YOUNG ADULT LITERATURE.

ENG-3913 World Literature to 1700 **3 Credits**
A STUDY OF A DIVERSE ARRAY OF GLOBAL LITERATURES AND VOICES REPRESENTING MULTIPLE CONTINENTS AND GENRES FROM ANTIQUITY THROUGH THE 17TH CENTURY.

ENG-3923 World Literature Since 1700 **3 Credits**
A STUDY OF A DIVERSE ARRAY OF GLOBAL LITERATURES AND VOICES REPRESENTING MULTIPLE CONTINENTS AND GENRES FROM 1700 TO THE PRESENT.

ENG-4013 Grammar and Linguistics **3 Credits**
EXAMINES GRAMMAR, SYNTAX AND SEMANTICS, LANGUAGE ACQUISITION, DEVELOPMENT, FUNCTIONS, AND VARIANCE, EMPHASIS ON THE THEORIES OF GRAMMAR, HISTORY AND DEVELOPMENT OF MODERN ENGLISH, AND LINGUISTICS.

ENG-4523 American Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF AMERICAN LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4533 Contemp Fiction Chfly Amer **3 Credits**
A SURVEY OF PRESENT-DAY FICTION.

ENG-4543 British Literature **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF BRITISH LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4553 World Literature **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF WORLD LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4613 Literary Genre **3 Credits**
FOCUSES STUDY ON A PARTICULAR LITERARY GENRE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4641 Internship **1 Credit**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4642 Internship **2 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4643 Internship **3 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4644 Internship **4 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-4723 Teaching of Grammar and Composition In Secondary School **3 Credits**
STUDIES THEORETICAL PERSPECTIVES OF LANGUAGE AND LANGUAGING, INCLUDING LANGUAGE ACQUISITION, CONVENTIONS, DIALECT, GRAMMAR SYSTEMS, AND THE IMPACT OF LANGUAGES ON SOCIETY AS THEY RELATE TO VARIOUS RHETORICAL SITUATIONS (E.G., JOURNALISM, SOCIAL MEDIA, POPULAR CULTURE) AND AUDIENCES. EVALUATES STRATEGIES FOR TEACHING WRITING PROCESSES FOR A VARIETY OF MODALITIES AND PURPOSES THAT INCLUDE COLLABORATIVE APPROACHES AND CONTEMPORARY TECHNOLOGIES; AND RESEARCH-BASED FORMATIVE AND SUMMATIVE ASSESSMENT

ENG-4813 Special Topics in Literature **3 Credits**
AN ADVANCED STUDY OF SELECTED ASPECTS IN LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4823 Special Topics in Language Arts **3 Credits**
AN ADVANCED STUDY OF SELECTED ASPECTS OF THE ENGLISH LANGUAGE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-4883 Publication and Portfolio Capstone **3 Credits**
A CAPSTONE COURSE REQUIRED FOR ALL ENGLISH MAJORS. A CRITICAL STUDY OF THE ROLES THAT LANGUAGE AND LITERATURE PLAY WITH EMPHASIS ON PROFESSIONALISM, PUBLICATION, AND PRESENTATIONS. FOCUSES ON ACADEMIC RESEARCH AND WRITING, ENCOURAGES PUBLICATION, AND REQUIRES A COMPREHENSIVE PORTFOLIO.

ENG-4981 Seminar in English **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4982 Seminar in English **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4983 Seminar in English **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4984 Seminar in English **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4991 Individual Study in English **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4992 Individual Study in English **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4993 Individual Study in English **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-4994 Individual Study in English **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-5981 Seminar in English **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5982 Seminar in English **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5983 Seminar in English **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5984 Seminar in English **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC. Required Previous: ENG-2513 AND DEPARTMENTAL APPROVAL

ENG-5991 Individual Studies **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, AND DEPARTMENTAL APPROVAL

ENG-5992 Individual Study in English **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, AND DEPARTMENTAL APPROVAL

ENG-5993 Individual Study in English **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, DEPARTMENTAL APPROVAL

ENG-5994 Individual Study in English **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: ENG-2513, GRADUATE STANDING, 12 HOURS ENGLISH, AND DEPARTMENTAL APPROVAL

ENG-H2243 Honors-Intro to Creative Writing **3 Credits**
AN INTRODUCTION TO THE PROCESS OF CREATING ORIGINAL FICTION, POETRY, AND OTHER FORMS.

ENG-H2423 Honors-American Lit to 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM BEGINNINGS TO 1865.

ENG-H2433 Honors-American Lit Snc 1865 **3 Credits**
EXTENSIVE READING IN AMERICAN LITERATURE FROM 1865 TO THE PRESENT.

ENG-H2513 Honors-Intro to Lit Study **3 Credits**
AN INTRODUCTION TO THE USE OF LIBRARY RESOURCES AND APPROACHES TO CONTEMPORARY LITERAY CRITICISM.

ENG-H2643 Honors-British Lit to 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS BETWEEN 449 AND 1800.

ENG-H2653 Honors-British Lit Snc 1800 **3 Credits**
A SURVEY OF BRITISH LITERATURE AND BRITISH LITERARY MOVEMENTS FROM 1800 TO THE PRESENT.

ENG-H2713 Honors-Publ Pract:original **3 Credits**
WORK ON ORIGINALS, THE CAMPUS LITERARY AND ART MAGAZINE, SPONSORED BYTHE DEPARTMENT OF ENGLISH AND LANGUAGES, AND ON WRITE ON, THE DEPARTMENT'S PUBLICATION OF OUTSTANDING COMPOSITION ESSAYS. CAN BE TAKEN TWICE FOR CREDIT, BUT ONLY THREE HOURS COUNT TOWARD THE MAJOR.

ENG-H3113 Honors-Advanced Writing **3 Credits**
PRACTICE IN NARRATIVE, DESCRIPTIVE, AND PERSUASIVE MODES OF DISCOURSE.

ENG-H3143 Honors-Introduction to Film **3 Credits**
A BROAD SURVEY OF THE GENRE, INCLUDING ITS HISTORY, AND A SURVEY OF RELATED FORMS OF NONPRINT MEDIA.

ENG-H3183 Honors-Technical & Professional Writing **3 Credits**
STUDY AND PRACTICE OF TECHNICAL AND PROFESSIONAL WRITING IN BOTH IN-HOUSE AND PUBLISHED DOCUMENTS. DEVELOPING AND COLLECTING INFORMATION AND INCORPORATING IT INTO TECHNICAL AND PROFESSIONAL PAPERS, REPORTS, PROPOSALS, MEMORANDA.

ENG-H3193 Honors-Persuasvive Writing and Logic **3 Credits**
EMPHASIZES PRINCIPLES OF LOGIC AND PERSUASION IN RHETORICAL ANALYSIS AND ARGUMENTATIVE WRITING FOR A VARIETY OF AUDIENCES. INCLUDES ANALYSIS AND COMPOSITION OF PRINT AND NON-PRINT TEXTS.

ENG-H3213 Honors-Shakespeare **3 Credits**
ORIGIN AND DEVELOPMENT OF THE DRAMA, LIFE AND TIMES OF SHAKESPEARE,THE SHAKESPEAREAN THEATRE, READING OF SELECTED PLAYS.

ENG-H3343 Honors-Composing Theories & Practice **3 Credits**
IN-DEPTH STUDY OF VARIOUS THEORIES AND RESEARCH REGARDING THE PROCESS WRITERS FOLLOW AS THEY COMPOSE. RELATES COMPOSING PROCESS MODELS TO CLASSROOM PRACTICE.

ENG-H3363 Honors-Critical Approaches **3 Credits**
EXPLORES VARIOUS METHODOLOGIES IN LITERARY CRITICISM.

ENG-H3373 Honors-Creative Writing:genre **3 Credits**
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ENG-H3733 Honors-Teaching Literature Sec Sch **3 Credits**
STUDIES HOW TO USE A VARIETY OF PRINT, NONPRINT, AND DIGITAL RESOURCES AND TECHNOLOGIES TO PLAN COHERENT, RELEVANT, STANDARDS-ALIGNED, ANTIRACIST/ANTIBIAS, AND DIFFERENTIATED LITERACY INSTRUCTION THAT INCORPORATES THEORIES, RESEARCH, AND KNOWLEDGE OF ELA TO SUPPORT AND ENGAGE ALL LEARNERS IN MEETING LEARNING GOALS. EVALUATES STRATEGIES FOR CHOOSING AND TEACHING AND ASSESSING A VARIETY OF LITERATURE, WITH A PARTICULAR FOCUS ON TEACHING YOUNG ADULT LITERATURE.

ENG-H3913 Honors-World Literature to 1700 **3 Credits**
A STUDY OF WORLD LITERATURE FROM ANTIQUITY THROUGH THE 17TH CENTURY.

ENG-H3923 Honors-World Literature Since 1700 **3 Credits**
A STUDY OF WORLD LITERATURE FROM 1700 TO THE PRESENT.

ENG-H4013 Honors-Grammar and Linguistics **3 Credits**
EXAMINES GRAMMAR, SYNTAX AND SEMANTICS, LANGUAGE ACQUISITION, DEVELOPMENT, FUNCTIONS, AND VARIANCE, EMPHASIS ON THE THEORIES OF GRAMMAR, HISTORY AND DEVELOPMENT OF MODERN ENGLISH, AND LINGUISTICS.

ENG-H4523 Hnrs-American Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF AMERICAN LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4543 Honors-British Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF BRITISH LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4553 Honors-World Literature- **3 Credits**
FOCUSES STUDY ON A PARTICULAR ASPECT OF WORLD LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4613 Hnrs-Literary Genre- **3 Credits**
FOCUSES STUDY ON A PARTICULAR LITERARY GENRE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4643 HONORS-Internship **3 Credits**
PROFESSIONAL EXPERIENCE UNDER SUPERVISION OF A FACULTY MEMBER AND A PROFESSIONAL IN THE FIELD. WORK MAY BE DONE IN PROFESSIONAL WRITING, LIBRARY SERVICES, DIGITAL HUMANITIES, OR OTHER APPROVED WORK RELATED TO THE DISCIPLINE OF ENGLISH.

ENG-H4813 Honors-Special Topic in Literature **3 Credits**
AN ADVANCED STUDY OF SELECTED ASPECTS OF LITERATURE. CONTENT VARIES IN DIFFERENT SEMESTERS. MAY BE REPEATED FOR CREDIT.

ENG-H4883 Honors-Publication and Portfolio Capstone **3 Credits**
A CAPSTONE COURSE REQUIRED FOR ALL ENGLISH MAJORS. A CRITICAL STUDY OF THE ROLES THAT LANGUAGE AND LITERATURE PLAY WITH EMPHASIS ON PROFESSIONALISM, PUBLICATION, AND PRESENTATIONS. FOCUSES ON ACADEMIC RESEARCH AND WRITING, ENCOURAGES PUBLICATION, AND REQUIRES A COMPREHENSIVE PORTFOLIO.

ENG-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

ENG-S5981 Seminar in English (subject Named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

ENG-S5982 Seminar in English (subject Named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(ENGR)

ENGR-1111 Introduction to Engineering **1 Credit**
STUDY SKILLS, ORIENTATION, AND ENROLLMENT IN ENGINEERING. COMPUTER-BASED PRODUCTIVITY TOOLS. ENGINEERING ETHICS AND CAREERS.

(ENTR)

ENTR-3103 Introduction to Entrepreneurship **3 Credits**
THIS COURSE PROVIDES THE STUDENT WITH THE FUNDAMENTALS OF ENTREPRENEURSHIP AND COVERS THE ENTREPRENEURIAL PROCESS FORM CONCEPTION TO HARVEST OF THE NEW VENTURE. iT CONCENTRATES ON IDENTIFYING THE ATTRIBUTES OF ENTREPRENEURS, THE PROCESS OF SEARCHING FOR OPPORTUNITIES, EVALUATING THE VIABILITY OF A NEW VENTURE, FINANCING, STARTING AND OPERATING THE NEW VENTURE.

ENTR-3203 High Technology Entrepreneurship **3 Credits**
THIS COURSE PROVIDES STUDENTS WITH AN APPLICATIONS-ORIENTED UNDERSTANDING OF THE UNIQUE INDUSTRY CONTEXTS, STRATEGIC OPPORTUNITIES, AND CONSTRAINTS FACED BY HIGH TECHNOLOGY NEW VENTURES. SUCH VENTURES ARE TYPICALLY FUNDED WITH HIGH RISK/HIGH RETURN VENTURE CAPITAL, AND EXPECTED TO ACHIEVE LIQUIDITY FOR INVESTORS IN APPROXIMATELY FIVE YEARS FROM START-UP. TOPICS TO BE DISCUSSED INCLUDE: THE TECHNOLOGY COMMERCIALIZATION PROCESS; TECHNOLOGY APPLICATION OPPORTUNITIES; AND THE VENTURE CAPITAL CONTINU Required Previous: ENTR-3103 or departmental approval.

ENTR-3303 Marketing for the Entrepreneur **3 Credits**
THE COURSE IDENTIFIES AND APPLIES THE DIFFERENT MARKETING VISIONS, APPROACHES AND PRACTICES USED BY ENTREPRENEURS TO COMPETE IN HIGHLY COMPETITIVE MARKETS. FURTHER, THIS COURSE WILL IDENTIFY THE DIFFERING STRATEGIC AND TACTICAL FOCUSES AND APPLICATIONS USED BY TODAY'S ENTREPRENEURS INCLUSIVE OF THE STRATEGIC APPLICATION OF VARIOUS TECHNOLOGIES. Required Previous: ENTR-3103 or departmental approval.

ENTR-4403 Entrepreneurial Finance **3 Credits**
ENTREPRENEURIAL FINANCE FOCUSES ON THE PRIMARY FINANCIAL ELEMENTS NECESSARY IN STARTING, GROWING AND HARVESTING THE VENTURE. THESE ELEMENTS ARE: FINANCIAL ASSESSMENT OF OPPORTUNITY, MARSHALING RESOURCES, BOOTSTRAPPING, CREATING THE FINANCING PACKAGE, CASH FLOW, AND SOURCES OF CAPITAL. TOPICS INCLUDE: VALUATION; DEAL STRUCTURING; MERGER AND ACQUISITION; AND CAPITAL SOURCES (E.G. FOUNDERS, FAMILY, FRIENDS, ANGELS, VENTURE CAPITALISTS, AND BANKS). Required Previous: ENTR-3103 or departmental approval.

ENTR-4413 Business Planning and Strategy for Entrepreneurs 3 Credits
STUDENTS WILL LEARN TO EVALUATE AND ANALYZE VARIOUS ENTREPRENEURIAL OPPORTUNITIES AGAINST THEIR PERSONAL AND PROFESSIONAL GOALS AND LIFESTYLE CRITERIA. AFTER ASSESSING THE FEASIBILITY OF MULTIPLE OPPORTUNITIES, STUDENTS SELECT ONE TO RESEARCH AND FORM A STRATEGY FOR THE BUSINESS. STUDENTS WILL RESEARCH, COLLECT DATA, AND MAKE DECISIONS TO SHAPE THE BUSINESS. WITH THIS INFORMATION, STUDENTS WILL WRITE A FULL BUSINESS PLAN, INCLUDING A PRODUCT AND SERVICE PLAN, A MANAGEMENT AND ORGANIZATIONAL PLAN Required Previous: ENTR-3103 with a grade of C or higher or departmental approval.

ENTR-4503 Venture Creation 3 Credits
THIS CAPSTONE COURSE PROVIDES STUDENTS WITH A SERIES OF CONCEPTS, FRAMEWORKS AND ANALYTICAL TECHNIQUES THAT WILL ENABLE THE STUDENT TO MANAGE ENTREPRENEURIALLY IN RAPID GROWTH SITUATIONS. STUDENTS WILL LEARN TO ANTICIPATE THE UNIQUE AND SPECIFIC PROBLEMS THAT ACCOMPANY STARTING AND GROWING AN ENTREPRENEURIAL FIRM BY CREATING VALUE THROUGH INNOVATION AND OPPORTUNITY CAPTURE RATHER THAN BY JUST EFFICIENTLY MANAGING ONGOING OPERATIONS. IN ADDITION, STUDENTS WILL LEARN HOW TO FORMULATE AND COMPLETE Required Previous: ENTR-3103 with a grade of C or higher.

ENTR-4603 Entrepreneurship Internship 3 Credits
THE ENTREPRENEURSHIP INTERNSHIP INTRODUCES THE ENTREPRENEURSHIP STUDENT TO THE CULTURE OF THE ENTREPRENEUR. THE INTERNSHIP REQUIRES THE INTERN TO PARTICIPATE IN A SET OF PRE-SELECTED ACTIVITIES. A REQUIRED REPORT AND PORTFOLIO WILL DETAIL THEIR EXPERIENCES IN THE COMPANY. THE PORTFOLIO WILL INCLUDE COPIES OF THE WORK THEY HAVE DONE IN PERFORMANCE OF THEIR INTERNSHIP (E.G. MARKETING PLAN, STRATEGIC PLAN, BUSINESS PLAN, AND FINANCIAL STATEMENTS). THE REPORT WILL BE A NARRATIVE OF THEIR INTERNSHIP Required Previous: ENTR-3103 or departmental approval.

ENTR-H3103 Honors-Introduction to Entrepreneurship 3 Credits
THIS COURSE PROVIDES THE STUDENT WITH THE FUNDAMENTALS OF ENTREPRENEURSHIP AND COVERS THE ENTREPRENEURIAL PROCESS FORM CONCEPTION TO HARVEST OF THE NEW VENTURE. iT CONCENTRATES ON IDENTIFYING THE ATTRIBUTES OF ENTREPRENEURS, THE PROCESS OF SEARCHING FOR OPPORTUNITIES, EVALUATING THE VIABILITY OF A NEW VENTURE, FINANCING, STARTING AND OPERATING THE NEW VENTURE.

(FIN)

FIN-1113 Financial Literacy 3 Credits
THIS COURSE INTRODUCES IDEAS, CONCEPTS, AND SKILLS THAT WILL ENABLE STUDENTS TO BECOME WISE AND KNOWLEDGEABLE CONSUMERS, SAVERS, INVESTORS, AND USERS OF CREDIT. A HANDS ON INSTRUCTIONAL APPROACH, THAT DIRECTLY APPLIES THE CONCEPTS LEARNED IN THIS COURSE TO THE MANAGEMENT OF MONEY, WILL EMPOWER STUDENTS TO INCORPORATE THESE TECHNIQUES IN THEIR DAILY LIVES AND BECOME EFFECTIVE PARTICIPANTS IN THE GLOBAL WORKFORCE AND SOCIETY.

FIN-3003 Financial Markets and Institutions 3 Credits
THIS COURSE INCREASES UNDERSTANDING OF FINANCIAL MARKETS AND INTERMEDIARIES IN THE UNITED STATES INCLUDING THE FUNDAMENTALS OF INTEREST RATES, THE MONEY SUPPLY PROCESS, THE MARKETS FOR STOCKS AND OTHER FINANCIAL INSTRUMENTS, THE U.S. COMMERCIAL BANKING INDUSTRY AND OTHER NON-BANK FINANCIAL INSTITUTIONS, FINANCIAL CRISES, RISK MANAGEMENT IN FINANCIAL INSTITUTIONS, CENTRAL BANKING, AND THE CONDUCT OF MONETARY POLICY. SPRING SEMESTER ONLY. Required Previous: ECON-2003 with a grade of C or higher or departmental approval.

FIN-3013 Fundamentals of Financial Planning 3 Credits
THE COURSE INTRODUCES STUDENTS TO THE FINANCIAL PLANNING PROCESS AND TO THE TECHNICAL SKILLS A COMPETENT FINANCIAL PLANNER MUST POSSESS IN ORDER TO SERVE HIS OR HER CLIENTS SUCCESSFULLY. STUDENTS WILL LEARN THE FUNDAMENTAL ELEMENTS OF FINANCIAL PLANNING (INSURANCE, INVESTMENTS, TAXATION, RETIREMENT PLANNING AND EMPLOYEE BENEFITS, AND ESTATE PLANNING) AND THEIR CORRESPONDING INTERRELATIONSHIP IN PROVIDING COMPREHENSIVE PERSONAL FINANCIAL PLANNING. THIS COURSE EXPLORES THE FINANCIAL PLANNING INDUS

FIN-3113 Financial Management 3 Credits
A STUDY OF THE PRINCIPLES, INSTITUTIONS, INSTRUMENTS AND PROCEDURES WHEREBY BUSINESS ENTERPRISES OBTAIN AND UTILIZE FUNDS TO FINANCE OPERATIONS. THE STUDY INVOLVES ANALYSIS AND EVALUATION OF FORMS OF BUSINESS ORGANIZATIONS, FINANCIAL PLANNING, INTERNAL AND EXTERNAL PROVISIONS OF SHORT-TERM AND LONG-TERM FINANCING FOR PROMOTION, EXPANSION AND REORGANIZATION. Required Previous: ACCT-2103 with a grade of C or higher or departmental approval.

FIN-3123 Principles of Real Estate 3 Credits
THIS COURSE INTRODUCES THE FUNDAMENTAL PRINCIPLES AND PRACTICES OF REAL ESTATE WITHIN RESIDENTIAL, COMMERCIAL, AND INVESTMENT CONTEXTS. TOPICS INCLUDE PROPERTY RIGHTS AND OWNERSHIP, REAL ESTATE MARKETS, VALUATION AND APPRAISAL, FINANCING, LAND USE CONTROLS, REAL ESTATE CONTRACTS, AND ETHICAL AND LEGAL CONSIDERATIONS. STUDENTS EXAMINE THE ROLES OF REAL ESTATE PROFESSIONALS AND ANALYZE HOW ECONOMIC, FINANCIAL, AND REGULATORY FACTORS INFLUENCE REAL ESTATE DECISIONS. THE COURSE EMPHASIZES PRACTICAL

FIN-3223 Investment Analysis 3 Credits
THIS COURSE EXPOSES STUDENTS TO THE CONCEPTS OF RISK AND RETURN, THE DIFFERENCES BETWEEN EQUITY AND FIXED INCOME INVESTMENTS, THE MATHEMATICS OF INVESTING, THE EVALUATION OF INVESTMENT THEORIES AND STRATEGIES, AND THE REGULATION OF THE INVESTMENT INDUSTRY. THE COURSE EXPLORES THE DIFFERENCE BETWEEN FUNDAMENTAL AND TECHNICAL ANALYSIS, AND STUDENTS WILL PERFORM BASIC BOND AND EQUITY VALUATIONS. THE COURSE INTRODUCES MODERN PORTFOLIO THEORY (ASSET ALLOCATION, DIVERSIFICATION, MARKET TIMING, AND SEC Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-3833 Commercial Bank Management 3 Credits
THIS INTRODUCTORY COURSE IN BANK MANAGEMENT PROVIDES AN OVERVIEW OF COMMERCIAL BANK MANAGEMENT. TOPICS INCLUDE: BANK SERVICES, ORGANIZATIONS AND REGULATORY ENVIRONMENT; ASSET AND LIABILITY MANAGEMENT; BANK CAPITAL, CASH ASSETS, AND THE COMPETITION FOR FUNDS; MANAGING THE INVESTMENT PORTFOLIO; EXTENDING CREDIT TO BUSINESS AND INDIVIDUALS, INTERNATIONAL BANKING; TRUST SERVICES; AND BANK MERGERS AND ACQUISITIONS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-3913 Insurance Planning and Risk Management 3 Credits
THIS COURSE EXPLORES THE FINANCIAL RISKS THAT INDIVIDUALS AND BUSINESSES FACE AND HOW THEY CAN MANAGE THESE RISKS, INCLUDING THE UTILIZATION OF INSURANCE SOLUTIONS. STUDENTS WILL BE EXPOSED TO THE PURPOSE, STRUCTURE AND COVERAGE OPTIONS OF THE FOLLOWING

TYPES OF INSURANCE: HEALTH, DISABILITY, LONG-TERM CARE, LIFE, PROPERTY AND CASUALTY, AND MORE. THIS COURSE ALSO REVIEWS THE TAXATION OF INSURANCE BENEFITS AND HOW TAXATION SHOULD AFFECT A FINANCIAL PLANNER'S DECISION TO RECOMMEND INSURANCE SOLUTI

FIN-4103 Essentials of Banking and Finance **3 Credits**
THE COURSE WILL COVER FINANCIAL AND BANKING PRODUCTS, BANKING REGULATIONS, PERSONAL FINANCIAL STATEMENT ANALYSIS AND ETHICAL ISSUES SPECIFIC TO THE ABOVE AREAS OF STUDY. STUDENT LEARNING WILL BE ENHANCED BY WORKING DIRECTLY WITH BUSINESS PROFESSIONALS IN THE AREAS OF FINANCE AND BANKING. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: ECON-2003 with a grade of C or higher or departmental approval.

FIN-4113 International Financial Management **3 Credits**
PROVIDES THE STUDENT WITH THE ANALYTICAL TOOLS NEEDED TO EVALUATE AND PROVIDE SOLUTIONS FOR PROBLEMS THAT ARE COMMONLY ENCOUNTERED IN INTERNATIONAL FINANCIAL MANAGEMENT. EMPHASIZES BASIC THEORETICAL MODELS OF EXCHANGE RATE DETERMINATION AND HEDGING EXCHANGE RATE RISK, INTERNATIONAL FINANCIAL TRANSACTIONS, THE LINK BETWEEN A NATION'S MACROECONOMIC ACCOUNTS AND ITS BALANCE OF PAYMENTS ACCOUNTS, PRIVATIZATION OF STATE-OWNED ENTERPRISES, AND INTERNATIONAL BANKING. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-4263 Real Estate Development and Investment **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE COMMERCIAL AND RESIDENTIAL REAL ESTATE DEVELOPMENT AND INVESTMENT PROCESS. COURSE MATERIALS, LECTURES, DISCUSSIONS AND CASES FOCUS ON ISSUES CRITICAL TO THE SUCCESS OF ANY NEW REAL ESTATE VENTURE, FROM THE INCEPTION OF AN IDEA TO THE DESIGN, CONSTRUCTION AND MANAGEMENT OF INCOME-PRODUCING REAL ESTATE. EMPHASIS IS PLACED ON IDENTIFYING DEVELOPMENT OPPORTUNITIES IN A RAPIDLY CHANGING REAL ESTATE ENVIRONMENT. THIS COURSE IS NORMALLY OFFERED IN THE SPRING SEMES Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-4623 Applied Finance **3 Credits**
THIS COURSE ADDRESSES HOW A FIRM EFFECTIVELY RAISES AND INVESTS CAPITAL. IT EXAMINES BUSINESS VALUATION AND FINANCIAL PERFORMANCE, FINANCIAL STATEMENT FORECASTING, AND EFFECTIVE WORKING CAPITAL MANAGEMENT. THIS COURSE IS NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

FIN-5103 Finance for Managers **3 Credits**
THIS COURSE SHOWS MANAGERS HOW TO INTERFACE WITH ACCOUNTING AND FINANCE DEPARTMENTS AND UNDERSTAND HOW FIRMS MEET THEIR FINANCIAL OBJECTIVES UTILIZING FINANCIAL DECISION-MAKING SKILLS. THIS COURSE EXPLAINS FINANCIAL TOOLS AND TECHNIQUES THAT MANAGERS USE TO MAXIMIZE THE VALUE OF THEIR BUSINESS. COURSE TOPICS INCLUDE FINANCIAL STATEMENT ANALYSIS, DISCOUNTED CASH FLOW VALUATION, STOCK AND BOND VALUATION, TERM STRUCTURE OF INTEREST RATES, CAPITAL STRUCTURE AND BUDGETING UNDER CERTAINTY AND UNCERTAI

FIN-H3003 Honors-Money and Banking **3 Credits**
THE COURSE EXAMINES CENTRAL BANKS AND THE FEDERAL RESERVE SYSTEM, MONEY AND MONETARY POLICY, INTEREST RATES, FOREIGN EXCHANGE MARKETS, THE INTERNATIONAL FINANCIAL SYSTEM, COMMERCIAL BANKS, SAVING ASSOCIATIONS AND CREDIT UNIONS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: ECON-2003 with a grade of C or higher or departmental approval.

FIN-H3113 Honors-Financial Management **3 Credits**
A STUDY OF THE PRINCIPLES, INSTITUTIONS, INSTRUMENTS AND PROCEDURES WHEREBY BUSINESS ENTERPRISES OBTAIN AND UTILIZE FUNDS TO FINANCE OPERATIONS. THE STUDY INVOLVES ANALYSIS AND EVALUATION OF FORMS OF BUSINESS ORGANIZATIONS, FINANCIAL PLANNING, INTERNAL AND EXTERNAL PROVISIONS OF SHORT-TERM AND LONG-TERM FINANCING FOR PROMOTION, EXPANSION AND REORGANIZATION. Required Previous: ACCT-2103 with a grade of C or higher or departmental approval.

FIN-H3223 Honors-Investment Analysis and Planning **3 Credits**
THIS COURSE EXPOSES STUDENTS TO THE CONCEPTS OF RISK AND RETURN, THE DIFFERENCES BETWEEN EQUITY AND FIXED INCOME INVESTMENTS, THE MATHEMATICS OF INVESTING, THE EVALUATION OF INVESTMENT THEORIES AND STRATEGIES, AND THE REGULATION OF THE INVESTMENT INDUSTRY. THE COURSE EXPLORES THE DIFFERENCE BETWEEN FUNDAMENTAL AND TECHNICAL ANALYSIS, AND STUDENTS WILL PERFORM BASIC BOND AND EQUITY VALUATIONS. THE COURSE INTRODUCES MODERN PORTFOLIO THEORY (ASSET ALLOCATION, DIVERSIFICATION, MARKET TIMING, AND SEC Required Previous: FIN-3113 with a grade of C or higher or deaprtmental approval.

FIN-H3833 Honors-Commercial Bank Management **3 Credits**
THIS INTRODUCTORY COURSE IN BANK MANAGEMENT PROVIDES AN OVERVIEW OF COMMERCIAL BANK MANAGEMENT. TOPICS INCLUDE: BANK SERVICES, ORGANIZATIONS AND REGULATORY ENVIRONMENT; ASSET AND LIABILITY MANAGEMENT; BANK CAPITAL, CASH ASSETS, AND THE COMPETITION FOR FUNDS; MANAGING THE INVESTMENT PORTFOLIO; EXTENDING CREDIT TO BUSINESS AND INDIVIDUALS, INTERNATIONAL BANKING; TRUST SERVICES; AND BANK MERGERS AND ACQUISITIONS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: FIN-3113 with a grade of C or higher or departmental approval.

(FREN)

FREN-1113 Elementary French I **3 Credits**
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

FREN-1223 Elementary French II **3 Credits**
CONTINUATION OF 1113, FUNDAMENTALS OF GRAMMAR, TRANSLATIONS OF INCREASED DIFFICULTY. Required Previous: FREN-1113 OR EQUIVALENT IN HIGH SCHOOL

FREN-2113 Intermediate French I **3 Credits**
FRENCH COMPOSITION, REVIEW OF GRAMMAR, READING. Required Previous: FREN-1223

FREN-2223 Intermediate French II **3 Credits**
FRENCH READING, ADAPTED NOVELS OR SHORT STORIES.

FREN-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

FREN-H1113 Honors-Elementary French I **3 Credits**
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

(GECAR)

GECAR-3233 Geospatial Research Design and Analysis **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SPATIAL RESEARCH. Required Previous: CARTO-2253

GECAR-4653 Senior Capstone Projects **3 Credits**
THIS COURSE REQUIRES STUDENTS TO DEVELOP, IMPLEMENT AND PRESENT THE RESULTS OF A SUBSTANTIVE INDIVIDUALIZED PROJECT IN CARTOGRAPHY, GIS, REMOTE SENSING AND/OR GEOGRAPHY. Required Previous: GECAR-3233

GECAR-H3233 Honors-Geospatial Research Design and Analysis **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SPATIAL RESEARCH. Required Previous: CARTO-2253

GECAR-H4653 Honors-Senior Capstone Projects **3 Credits**
THIS COURSE REQUIRES STUDENTS TO DEVELOP, IMPLEMENT AND PRESENT THE RESULTS OF A SUBSTANTIVE INDIVIDUALIZED PROJECT IN CARTOGRAPHY, GIS, REMOTE SENSING AND/OR GEOGRAPHY. Required Previous: GECAR-3233

(GENED)

GENED-1111 General Education Seminar - Intercultural Knowledge and Competence **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. SATISFIES THE INTERCULTURAL KNOWLEDGE AND COMPETENCE GENERAL EDUCATION LEARNING OUTCOME.

GENED-1121 General Education Seminar - Information Literacy **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. SATISFIES THE INFORMATION LITERACY GENERAL EDUCATION LEARNING OUTCOME.

GENED-1131 General Education Seminar - Communication **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. SATISFIES THE COMMUNICATION GENERAL EDUCATION LEARNING OUTCOME.

GENED-1141 General Education Seminar - Critical Thinking **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. SATISFIES THE CRITICAL THINKING GENERAL EDUCATION LEARNING OUTCOME.

GENED-1151 General Education Seminar - Global Citizenship **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. SATISFIES THE GLOBAL CITIZENSHIP GENERAL EDUCATION LEARNING OUTCOME.

(GEOED)

GEOED-S5981 Seminar in Geography Education (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(GEOG)

GEOG-1113 Elements of Human Geography **3 Credits**
THE MAJOR ORGANIZING CONCEPTS OF SOCIAL, ECONOMIC, POPULATION, AND CULTURAL GEOGRAPHY. PEOPLE'S GEOGRAPHIC BEHAVIOR IN TERMS OF THEIR SPATIAL ORGANIZATION OF THE EARTH'S SURFACE AND THEIR DEVELOPMENT OF REGIONAL AND POLITICAL SYSTEMS.

GEOG-1214 Earth Science **4 Credits**
SURFACE FEATURES OF THE EARTH, LANDFORMS, WATERS, ROCKS, MINERALS, WEATHER CLIMATE, AND SOILS, LABORATORY AND FIELD STUDY INCLUDED. Required Previous: If that student has a science deficiency it must be remediated by completing PHSCI-0123 or PHSCI-0001 at the same time as the 1000-level science course.

GEOG-1214L Earth Science Laboratory **0 Credits**
LAB COURSE FOR GEOG-1214.

GEOG-2513 World Regional Geography **3 Credits**
THE WORLD'S MAJOR CULTURAL REGIONS, WITH EMPHASIS ON GEOGRAPHIC ASPECTS OF CONTEMPORARY ECONOMIC, SOCIAL AND POLITICAL RELATIONSHIPS WITH THE PHYSICAL ENVIRONMENT.

GEOG-2881 Special Studies in Geography (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-2882 Special Studies in Geography (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-2883 Special Studies in Geography (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-2884 Special Studies in Geography (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-3213 Conservation of Natural Resources 3 Credits
A STUDY OF CURRENT PROBLEMS IN CONSERVATION OF NATURAL RESOURCES WITH AN EMPHASIS ON SOLUTIONS. TOPICS INCLUDE POPULATION, DEFORESTATION, WATER ISSUES, AND CLIMATIC CHANGE. Required Previous: GEOG-1113

GEOG-3223 Geography of Oklahoma 3 Credits
A STUDY OF THE PHYSICAL REGIONS, CULTURE, POPULATION, DISTRIBUTION, ECONOMIC DEVELOPMENT, AND RECREATIONAL RESOURCES OF OKLAHOMA.

GEOG-3323 Economic Geography 3 Credits
PROCESSES SIGNIFICANT TO THE SPATIAL STRUCTURE OF ECONOMIC SYSTEMS. ECONOMIC ACTIVITIES SUCH AS PRODUCTION, CONSUMPTION AND SITE SELECTION ARE EXAMINED FROM LOCATIONAL, DISTRIBUTIONAL, AND SPATIAL INTERACTION PERSPECTIVES. COMPUTER LAB COMPONENT CONSISTS OF THE USE OF BUSINESS GEOGRAPHICS SOFTWARE APPLICATIONS.

GEOG-3413 Weather and Climate 3 Credits
THE ELEMENTS OF WEATHER AND CLIMATE WITH DAILY METEOROLOGICAL OBSERVATIONS, WEATHER REGIONS AND ORIGINS. WEATHER CONDITIONS AS THEY AFFECT MAN, ANIMAL LIFE AND VEGETATION. CLIMATIC REGIONS.

GEOG-3613 Field Studies in Regional Geography 3 Credits
INTENSIVE STUDY OF THE GEOGRAPHIC FEATURES OF A REGION OR REGIONS THROUGH DIRECT OBSERVATIONS AND TRAVEL USING APPROPRIATE FIELD STUDY METHODS. THIS COURSE IS OFFERED IN THE SUMMER FOR UNDERGRADUATE STUDENTS.

GEOG-3614 Field Studies in Regional Geography 4 Credits
INTENSIVE STUDY OF THE GEOGRAPHIC FEATURES OF A REGION OR REGIONS THROUGH DIRECT OBSERVATIONS AND TRAVEL USING APPROPRIATE FIELD STUDY METHODS. THIS COURSE IS OFFERED IN THE SUMMER FOR UNDERGRADUATE STUDENTS.

GEOG-3615 Field Studies in Regional Geography 5 Credits
INTENSIVE STUDY OF THE GEOGRAPHIC FEATURES OF A REGION OR REGIONS THROUGH DIRECT OBSERVATIONS AND TRAVEL USING APPROPRIATE FIELD STUDY METHODS. THIS COURSE IS OFFERED IN THE SUMMER FOR UNDERGRADUATE STUDENTS.

GEOG-4981 Seminar in Geography (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4982 Seminar in Geography (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4983 Seminar in Geography (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4984 Seminar in Geography (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4991 Individual Studies in Geography (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4992 Individual Studies in Geography (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4993 Individual Studies in Geography (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-4994 Individual Studies in Geography (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-5613 Geographic Field Studies of Regions 3 Credits
GEOGRAPHIC AND HISTORIC STUDIES OF REGIONS, INCLUDING BOTH PHYSICAL AND CULTURAL FEATURES, THROUGH DIRECTED EDUCATIONAL TRAVEL, WITH EMPHASIS ON OBSERVATION AND INTERPRETATION.

GEOG-5614 Geographic Field Studies of Regions 4 Credits
GEOGRAPHIC AND HISTORIC STUDIES OF REGIONS, INCLUDING BOTH PHYSICAL AND CULTURAL FEATURES, THROUGH DIRECTED EDUCATIONAL TRAVEL, WITH EMPHASIS ON OBSERVATION AND INTERPRETATION.

GEOG-5615 Geographic Field Studies of Regions **5 Credits**
GEOGRAPHIC AND HISTORIC STUDIES OF REGIONS, INCLUDING BOTH PHYSICAL ANDCULTURAL FEATURES, THROUGH DIRECTED EDUCATIONAL TRAVEL, WITH EMPHASIS ON OBSERVATION AND INTERPRETATION.

GEOG-5981 Seminar in Geography (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5982 Seminar in Geography (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5983 Seminar in Geography (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5984 Seminar in Geography (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

GEOG-5991 Individual Studies in Geography (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-5992 Individual Studies in Geography (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-5993 Individual Studies in Geography (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-5994 Individual Studies in Geography (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight hours from Social Studies

GEOG-H3213 Honors-Conservation of Natural Resources **3 Credits**
A STUDY OF CURRENT PROBLEMS IN CONSERVATION OF NATURAL RESOURCES WITH AN EMPHASIS ON SOLUTIONS. TOPICS INCLUDE POPULATION, DEFORESTATION, WATERISSUES, AND CLIMATIC CHANGE. Required Previous: GEOG-1113

GEOG-S4981 Seminar in Geography (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GEOG-S5981 Seminar in Geography (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(GEOL)

GEOL-1114 Introduction to Geology **4 Credits**
INTRODUCTION TO THE FUNDAMENTAL CONCEPTS OF GEOLOGY INCLUDING THEIR APPLICATION TO GROUNDWATER, HYDROGEOLOGY, LANDFORMS, MINERAL AND FOSSIL FUEL EXPLORATION.

(GER)

GER-1113 Elementary German I **3 Credits**
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

GER-1223 Elementary German II **3 Credits**
CONTINUATION OF COURSE 1113, FUNDAMENTALS OF GRAMMAR, READING OF INCREASED DIFFICULTY. Required Previous: GER-1113

GER-4981 Seminar in German **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GER-4982 Seminar in German **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GER-4983 Seminar in German **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

GER-4984 Seminar in German **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(GESOC)

GESOC-4413 Demography **3 Credits**
STUDY OF THE SOCIAL PROCESSES RELATED TO DIFFERENTIALS IN FERTILITY, MORTALITY, AND SELECTIVE POPULATION MOVEMENTS. Required Previous: GEOG-1113 or SOC-1113

GESOC-4853 Comparative Cultures **3 Credits**
A COMPARISON OF THE CULTURES, SOCIAL ORGANIZATIONS, BEHAVIOR PATTERNS, AND GEOGRAPHICAL ENVIRONMENTS OF SELECTED SOCIETIES. IN THIS COURSE THERECIPROCAL RELATIONSHIP BETWEEN MAN AND HIS OR HER NATURAL ENVIRONMENT IS STRESSED.

(GIS)

GIS-2253 Initial Concepts in GIS **3 Credits**
AN INTRODUCTION TO THE CONCEPTS, PRINCIPLES, AND THEORIES OF GIS, WITH EMPHASIS ON THE NATURE AND COMMUNICATION OF GEOGRAPHIC INFORMATION. DATA COLLECTION, STORAGE, MANIPULATION AND BASIC SPATIAL ANALYSIS METHODS ARE COVERED.

GIS-3613 Digital Mapping **3 Credits**
APPLICATION OF CARTOGRAPHIC PRINCIPLES FOR COMPLEX AND EFFICIENT MAPPING TASKS INCLUDING ATLAS PRODUCTION, CREATION OF ONLINE AND INTERACTIVE MAPS, ANIMATED MAPPING, TERRAIN MAPPING, AND PERSPECTIVE GRAPHICS. Required Previous: GIS-2253

GIS-3953 Spatial Analysis **3 Credits**
METHODS TO SPATIAL PROBLEMS WITH AN EMPHASIS ON GEOSPATIAL DATASET MANAGEMENT AND CONTROL. EXPLORATION OF HOW TO IDENTIFY CHANGE, DISTANCE, DENSITY, AND DISTRIBUTION, OF GEOSPATIAL DATA. Required Previous: GIS-2253 or Departmental Approval

GIS-4753 Spatial Programming **3 Credits**
AN INTRODUCTION TO COMMON PROGRAMMING AND DATABASE LANGUAGES. TOPICS INCLUDE DATA TYPES, CONTROL FLOW, OBJECT-ORIENTED PROGRAMMING, RELATIONAL DATABASES, THE DEFINITION, MANIPULATION, AND RETRIEVAL OF DATA, AND GRAPHICAL USER INTERFACE-DRIVEN APPLICATIONS. Required Previous or Concurrent: CMPSC-1113

GIS-4953 Automating GIS Workflows **3 Credits**
PRESENTATION ON ADVANCED DIGITAL DATA STRUCTURES AND THE USE OF SOFTWARE APPLICATIONS FOR MAINTAINING AND UTILIZING GEOGRAPHIC INFORMATION. EACH STUDENT WILL DEVELOP AND IMPLEMENT A GIS ANALYSIS MODEL. Required Previous: GIS-4753

GIS-5613 Digital Mapping **3 Credits**
ADVANCED GRADUATE STUDY OF THE APPLICATIONS OF CARTOGRAPHIC PRINCIPLES FOR COMPLEX AND EFFICIENT MAPPING TASKS INCLUDING ATLAS PRODUCTION, CREATION OF ONLINE AND INTERACTIVE MAPS, ANIMATED MAPPING, TERRAIN MAPPING, AND PERSPECTIVE GRAPHICS.

GIS-5753 Spatial Programming **3 Credits**
ADVANCED GRADUATE STUDY OF PROGRAMMING AND DATABASE LANGUAGES. TOPICS INCLUDE DATA TYPES, CONTROL FLOW, OBJECT-ORIENTED PROGRAMMING, RELATIONAL DATABASES, THE DEFINITION, MANIPULATION, AND RETRIEVAL OF DATA, AND GRAPHICAL USER INTERFACE-DRIVEN APPLICATIONS. Required Previous or Concurrent: Take GIS-5613

GIS-5913 Spatial Analysis **3 Credits**
ADVANCED GRADUATE STUDY OF THE METHODS TO SPATIAL PROBLEMS WITH AN EMPHASIS ON GEOSPATIAL DATASET MANAGEMENT AND CONTROL. EXPLORATION OF HOW TO IDENTIFY CHANGE, DISTANCE, DENSITY, AND DISTRIBUTION, OF GEOSPATIAL DATA. Required Previous or Concurrent: Take GIS-5613

GIS-5953 GIS Workflows **3 Credits**
GRADUATE STUDY AND ADVANCED PRESENTATION ON DIGITAL DATA STRUCTURES AND THE USE OF SOFTWARE APPLICATIONS FOR MAINTAINING AND UTILIZING GEOGRAPHIC INFORMATION. EACH GRADUATE STUDENT WILL DEVELOP AND IMPLEMENT A ADVANCED GIS AND ANALYSIS MODEL. Required Previous or Concurrent: Take GIS-5613 or GIS-5753

(H/P/E)

H/P/E-5343 Marriage, Family, and Group Counseling **3 Credits**
A SURVEY OF THE MAJOR THEORIES, METHODS AND TECHNIQUES USED IN THE TREATMENT OF MARITAL AND FAMILY PROBLEMS WITH PARTICULAR EMPHASIS ON THE LEGAL AND ETHICAL ISSUES IN GROUP, MARRIAGE AND FAMILY COUNSELING. EMPHASIS IS ALSO GIVEN TO THE SPECIAL NEEDS OF MULTI-CULTURAL GROUPS AND PEOPLE WITH DISABILITIES.

H/P/E-5443 Advanced Group Counseling **3 Credits**
MAJOR CONTRIBUTIONS TO GROUP COUNSELING THEORIES ARE STUDIED. THE ROLE OF GROUP WORK AS A DEVELOPMENTAL OR PREVENTIVE APPROACH IS EMPHASIZED. MULTI-CULTURAL CONCERNS AND THE NEEDS OF PEOPLE WITH DISABILITIES ARE ALSO STRESSED. Required Previous: EDPSY-5433

(HIM)

HIM-4633L Health Information Systems Laboratory **0 Credits**
LAB COURSE FOR HIM-4633.

HIM-4813L Health Information Management Laboratory **0 Credits**
LAB COURSE FOR HIM-4813.

(HIST)

HIST-1113 Foundations of Western Civilization **3 Credits**
FOUNDATIONS OF WESTERN CIVILIZATION WILL REPRESENT A MORE TOPICAL AND LESS CHRONOLOGICAL APPROACH THAN THE FIRST HALF/SECOND HALF PAIRING OF EARLY WESTERN CIVILIZATION AND MODERN WESTERN CIVILIZATION CURRENTLY REFLECTS. ALSO, TRANSFORMATION OF MODERN WESTERN CIVILIZATION TO MODERN WORLD HISTORY MAY BE ENVISIONED IN THE FUTURE WHICH WOULD LEAVE EARLY WESTERN CIVILIZATION A FIRST HALF COURSE WITHOUT A SECOND HALF.

HIST-1123 Modern Western Civilization **3 Credits**
A STUDY OF EUROPEAN AND WORLD CIVILIZATION 1660 TO THE PRESENT, INCLUDING THE DEVELOPMENT OF INDIVIDUAL NATIONS, PRINCIPAL INTERNATIONAL CONFLICTS, AND CULTURAL MOVEMENTS. THIS COURSE SURVEYS THE SCIENTIFIC REVOLUTION, THE LITERATURE AND PHILOSOPHY OF THE ENLIGHTENMENT, LITERATURE, MUSIC, AND ART IN THE CLASSICAL AND ROMANTIC PERIODS, THE MANNER IN WHICH PEOPLE LIVED, THE FRENCH REVOLUTION, THE INDUSTRIAL REVOLUTION, SOCIALISM, MARXISM, AND THE RISE OF DEMOCRACY.

HIST-2003 Introduction to Historic Preservation **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE PRESERVATION OF THE BUILT ENVIRONMENT. STUDENTS WILL EXAMINE THE HISTORY AND PHILOSOPHY OF HISTORIC PRESERVATION IN THE UNITED STATES AND LEARN HOW IT IS PRACTICED TODAY.

HIST-2213 Oklahoma History **3 Credits**
AN INTRODUCTORY OVERVIEW OF OKLAHOMA HISTORY FROM PRE-HISTORY TO THE PRESENT.

HIST-2223 Medicine in World History **3 Credits**
THIS COURSE EXAMINES THE HISTORY OF MEDICINE IN WORLD HISTORY, STARTING FROM THE THEORIES OF THE ANCIENT WORLD THROUGH MODERN PRACTICES.

HIST-2483 United States History Survey to 1877 **3 Credits**
AN INTRODUCTORY OVER-VIEW OF UNITED STATES HISTORY FROM BEGINNINGS THROUGH RECONSTRUCTION FOLLOWING THE CIVIL WAR.

HIST-2493 United States History Survey Since 1877 **3 Credits**
AN INTRODUCTORY OVERVIEW OF UNITED STATES HISTORY FROM RECONSTRUCTION TO THE PRESENT.

HIST-2503 Women in U.S. History **3 Credits**
THIS COURSE SURVEYS WOMEN'S ROLES IN THE UNITED STATES FROM PRE-EUROPEAN CONTACT TO THE 1990S. TOPICS INCLUDE BUT ARE NOT LIMITED TO NATIVE WOMEN, WOMEN IN WARFARE, WOMEN ON THE FRONTIER, SUFFRAGE, WOMEN IN THE WIDE RANGE OF POLITICS, WOMEN IN THE WORKFORCE, AND MORE.

HIST-2513 Survey of African American History **3 Credits**
STUDENTS WILL GAIN AN UNDERSTANDING OF AFRICAN AMERICAN HISTORY FROM SLAVERY TO THE PRESENT. THE FIRST HALF OF THE COURSE WILL FOCUS ON THE ORIGINS AND GROWTH OF SLAVERY IN THE UNITED STATES. THE SECOND HALF WILL DISCUSS THE ADAPTATION OF AFRICAN AMERICANS TO FREEDOM.

HIST-2613 Explorations in World History and Culture **3 Credits**
THIS COURSE COVERS A HIGH POINT IN THE CIVILIZATION OF AFRICA, THE NEAR EAST, THE FAR EAST, EUROPE AND THE AMERICAS. THROUGH READINGS, FILM, LECTURE AND DISCUSSION STUDENTS WILL COME TO APPRECIATE THE REMARKABLE ACHIEVEMENTS OF HUMANKIND.

HIST-2881 Special Studies in History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-2882 Special Studies in History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-2883 Special Studies in History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-2884 Special Studies in History (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-3003 Renaissance **3 Credits**
A HISTORY OF THE CLASSICAL REVIVAL, THE RISE OF HUMANISM, AND THE ARTISTIC MOTIVATIONS OF EUROPE.

HIST-3013 Reformation **3 Credits**
A HISTORY OF THE CAUSES, CONSEQUENCES, AND RESPONSES TO THE REFORMATION.

HIST-3023 Age of Kings **3 Credits**
A HISTORY OF THE POLITICAL, SOCIAL, ECONOMIC, AND CULTURAL TRANSFORMATION OF EUROPE DURING THE SEVENTEENTH AND EIGHTEENTH CENTURIES.

HIST-303 Ancient Civilizations **3 Credits**
THIS COURSE WILL EXPLORE THE EMERGENCE OF WORLD CIVILIZATIONS WITH A SPECIAL EMPHASIS ON THE SOCIETIES OF ANCIENT EGYPT, CANAAN, MESOPOTAMIA, AND PERSIA. IN ADDITION TO EXPLORING THEIR DISTINCT CULTURAL CONTRIBUTIONS, STUDENTS WILL ALSO CONSIDER OW THESE SOCIETIES RELATED TO ONE ANOTHER, THROUGH TRADE, CONFLICT, AND INTERCHANGE OF IDEAS.

HIST-3033 World War II **3 Credits**
A HISTORY OF THE PEOPLE, EVENTS, AND FORCES THAT BROUGHT UPON ONE OF THE MOST IMPORTANT EVENTS AND DESTRUCTIVE WAR IN HUMAN HISTORY. THIS COURSE PRIMARILY FOCUSES ON THE MAJOR PARTICIPANTS OF THE WAR, HIGHLIGHTING THEIR DIPLOMATIC, ECONOMIC, SOCIAL, AND MILITARY POLICIES AND PRACTICES THAT NOT ONLY DECIDED THE WAR'S OUTCOME BUT SET IN MOTION PROFOUND CONSEQUENCES FOR THE TRANSFORMED POST-WAR WORLD. THIS WILL GIVE STUDENTS A BETTER UNDERSTANDING OF HOW THE SECOND WORLD WAR DETERMINED MUCH OF THE

HIST-3043 The Cold War **3 Credits**
A HISTORY OF THE MAJOR THEMES AND PERSONALITIES IN THE ERA KNOWN AS THE COLD WAR. IT IS TO FAMILIARIZE YOU WITH THE PERSONS, POLICIES, AND EVENTS, WHICH MARKED THE NEARLY HALF-CENTURY FOLLOWING WORLD WAR II WHEN THE WORLD'S ONLY TWO SUPERPOWERS, THE U.S. AND THE SOVIET UNION, VIED FOR GLOBAL INFLUENCE AND HEGEMONY. HOW COULD WAR-TIME ALLIES, WHO VANQUISHED NAZI GERMANY FROM THE WORLD, BECOME MORTAL ENEMIES, TAKING THE WORLD TO THE BRINK OF DESTRUCTION WHAT PROFOUND CONSEQUENCES WERE UNLEASHED T

HIST-3053 History of the 21st Century **3 Credits**
AN EXAMINATION OF THE MAJOR PEOPLE, PLACES, IDEAS, AND EVENTS THAT HAVE SHAPED THE HISTORY OF THE 21ST CENTURY.

HIST-3063 Ancient Civilizations **3 Credits**
THIS COURSE WILL EXPLORE THE EMERGENCE OF WORLD CIVILIZATIONS WITH A SPECIAL EMPHASIS ON THE SOCIETIES OF ANCIENT EGYPT, CANAAN, MESOPOTAMIA, AND PERSIA. IN ADDITION TO EXPLORING THEIR DISTINCT CULTURAL CONTRIBUTIONS, STUDENTS WILL ALSO CONSIDER OW THESE SOCIETIES RELATED TO ONE ANOTHER, THROUGH TRADE, CONFLICT, AND INTERCHANGE OF IDEAS.

HIST-3073 Gender & Sexuality in U.S. History **3 Credits**
THIS COURSE LOOKS AT THE HISTORY OF GENDER AND SEXUALITY IN THE UNITED STATES FROM PRE-EUROPEAN CONTACT THROUGH THE 1990S. IT EMPHASIZES HOW HISTORICAL CONTEXT INFLUENCES DEFINITIONS OF MASCULINITY, FEMININITY, AND NON-GENDER BINARY IDENTITIES.

HIST-3083 Women in World History **3 Credits**
THIS COURSE SURVEYS THE HISTORY OF WOMEN IN WORLD HISTORY, FROM ANCIENT TIMES TO THE PRESENT. TOPICS INCLUDE WITCHCRAFT, WOMEN IN WARFARE, WOMEN AND RELIGION, WOMEN AND MEDICINE, WOMEN AND POLITICS, CIVIL RIGHTS, AND MORE!

HIST-3113 Contemporary American History **3 Credits**
A STUDY OF CONTEMPORARY ISSUES OF THE UNITED STATES, INCLUDING THEIR IMMEDIATE HISTORICAL BACKGROUND, PROBLEMS DRAWN FROM THE POLITICAL, ECONOMIC, SOCIAL, AND INTELLECTUAL EXPERIENCE OF AMERICA SINCE 1945.

HIST-3313 Ancient Greece **3 Credits**
DETAILED STUDY OF THE SOCIAL, POLITICAL, AND INTELLECTUAL LIFE OF THE GREEKS, INFLUENCES OF GREEK PHILOSOPHY AND CULTURE UPON MODERN CIVILIZATION.

HIST-3333 Vistas in World History **3 Credits**
THE CLASS WILL OFFER A SWEEPING OVERVIEW OF HUMAN HISTORY, EXPLORING DEVELOPMENTS THAT HAVE AFFECTED SOCIETIES ON A GLOBAL SCALE SUCH AS THE RISE OF AGRICULTURE, THE EMERGENCE OF UNIVERSAL RELIGIONS, THE EXPANSION OF EMPIRES AND COLONIALISM, THE FORMATION OF THE MODERN NATION STATE, THE EVOLUTION OF CAPITALISM AND GLOBALIZATION. STUDENTS WILL ACHIEVE FAMILIARITY WITH THE BASIC HISTORICAL NARRATIVE OF MAJOR WORLD CIVILIZATIONS AND REGIONS INCLUDING THE WESTERN WORLD, LATIN AMERICA, RUSSIA, THE IS

HIST-3343 Vistas in U.S. History **3 Credits**
THIS CLASS WILL OFFER A SWEEPING OVERVIEW OF UNITED STATES HISTORY, EXPLORING MAJOR DEVELOPMENTS THAT HAVE AFFECTED SOCIETY ON A NATIONAL SCALE. STUDENTS WILL ACQUIRE A FAMILIARITY WITH THE BASIC NARRATIVE OF MAJOR POLITICAL, SOCIAL, ECONOMIC, AND MILITARY EVENTS IN UNITED STATES HISTORY. THE GOAL WILL BE TO ACHIEVE A MASTERY OF THE ESSENTIALS OF UNITED STATES HISTORY AND BUILD A FOUNDATION FOR FURTHER EXPLORATION OF SPECIFIC TOPICS.

HIST-3453 The Middle Ages **3 Credits**
INSTITUTIONS AND IDEALS IN THE MIDDLE AGES, FEUDALISM, FEUDAL MONARCHY, HOLY ROMAN EMPIRE, PAPACY, MONASTERIES, TOWNS, GUILDS, AND UNIVERSITIES. THE CLASSICAL REVIVAL, THE RISE OF HUMANISM, AND THE ARTISTIC INNOVATIONS OF RENAISSANCE EUROPE WILL BE EMPHASIZED.

HIST-3613 Europe, 1815-1914 **3 Credits**
COURSE COVERS THE PERIOD AFTER NAPOLEON, DURING WHICH SUCCESSIVE REVOLUTIONS ERUPTED AGAINST THE OLD REGIME, THE INDUSTRIAL REVOLUTION BROUGHT ON GREAT CHANGES, MODERN ITALY AND GERMANY WERE FORMED, AND NATIONALISM, MILITARISM, AND IMPERIAL RIVALRIES MOVED EUROPE TOWARD WORLD WAR I.

HIST-3923 World History, 1914-1939 **3 Credits**
A STUDY OF THE PRINCIPAL EUROPEAN AND ASIATIC NATIONS, AND THE INTERNATIONAL RELATIONS OF THESE COUNTRIES WITH EACH OTHER AND THE U.S., THE RISE AND AIMS OF THE TOTALITARIAN STATES, PARTICULARLY HITLER'S GERMANY AND SOVIET RUSSIA, CONFLICTS BETWEEN THE DEMOCRATIC, FASCIST AND COMMUNIST STATES WHICH SERVE AS THE BACKGROUND FOR WORLD WAR II.

HIST-4003 History of Japan **3 Credits**
AN EXPLORATION OF TOPICS IN JAPANESE HISTORY FROM PREHISTORY TO THE PRESENT.

HIST-4013 Holocaust **3 Credits**
A HISTORY OF THE HOW AND WHY OF THE HOLOCAUST. IT INCLUDES AN EXAMINATION OF WHY A MODERN, WESTERNIZED COUNTRY SUCH AS GERMANY WOULD PERPETUATE SUCH AN ACT OF BARBARITY OTHER QUESTIONS TO BE ANSWERED ARE WAS THE HOLOCAUST A PLANNED ATTEMPT TO DESTROY THE JEWISH PEOPLE, OR RATHER ONE BORN FROM OPPORTUNITY DID THE WORLD KNOW ABOUT THE HOLOCAUST, AND IF SO, WHY DID THEY NOT DO ANYTHING TO STOP IT.

HIST-4023 Spain and the Indians **3 Credits**
COURSE EXAMINES THE RELATIONSHIP BETWEEN THE SPANISH COLONIAL VENTURE IN THE AMERICAS AND NATIVE PEOPLES.

HIST-4033 History of the Incas **3 Credits**
AN OVERVIEW OF INCAN HISTORY, FROM THE FOUNDING OF THE INCAN STATE, THROUGH ITS COLLAPSE IN THE 1530'S. COURSE WILL ALSO INCLUDE AN EXAMINATION OF THE PERSISTENCE OF INCAN TRADITIONS DURING THE SPANISH COLONIAL PERIOD.

HIST-4043 History of the Aztecs **3 Credits**
A SURVEY OF AZTEC HISTORY FROM PREHISTORY UNTIL THE SPANISH CONQUEST. COURSE WILL ALSO INCLUDE AN EXAMINATION OF THE PERSISTENCE OF AZTEC TRADITIONS DURING THE SPANISH COLONIAL PERIOD.

HIST-4053 Southern Plains Indians **3 Credits**
A HISTORY OF THE MAJOR INDIGENOUS PEOPLES IN THE SOUTHERN PLAINS, PRIMARILY OKLAHOMA, ARKANSAS, LOUISIANA, AND TEXAS AND THEY RELATIONS NOT ONLY WITH ONE ANOTHER BUT EUROPEAN AND AMERICAN MIGRANTS. FOCUSING ON THEIR CULTURE AND SOCIETY, ONE WILL GET AN UNDERSTANDING HOW THESE PEOPLE ADAPTED TO A CHANGING WORLD OF OUTSIDERS, DISEASE, TECHNOLOGIES, AND IDEOLOGIES THAT THREATENED THEIR VERY EXISTENCE.

HIST-4063 Indian Wars and Warfare **3 Credits**
CHRONICLES THE WESTWARD COLONIZATION OF THE CONTINENTAL UNITED STATES THROUGH THE CONFRONTATION BETWEEN EUROPEAN COLONIZERS AND INDIGENOUS PEOPLES FROM THE EARLY 17TH CENTURY TO 19TH CENTURY. FOCUSING ON INDIGENOUS WARFARE AND HOW IT EVOLVED WITH CONTACT FROM EUROPEANS AND LATER AMERICANS, THIS COURSE HIGHLIGHTS THE MAJOR CONFLICTS THAT OCCURRED WHEN DRASTICALLY DIFFERENT CULTURES MET. IN THE 20TH CENTURY, THE COURSE HIGHLIGHTS THE MARTIAL CONTRIBUTIONS TO THE UNITED STATES MILITARY BY INDIAN PE

HIST-4073 American Revolution **3 Credits**
AN IN-DEPTH, INTERPRETIVE STUDY OF THE AMERICAN REVOLUTION FROM THE FRENCH AND INDIAN WAR THROUGH THE AMERICAN WAR FOR INDEPENDENCE. COVERAGE WILL INCLUDE CAUSES OF THE REVOLUTION, THE MILITARY CAMPAIGNS, AND INTERPRETATIONS OF THE ERA.

HIST-4083 Ancient Egypt **3 Credits**
AN EXAMINATION OF EGYPTIAN HISTORY AND CULTURE INCLUDING PREHISTORY, THE OLD KINGDOM, MIDDLE KINGDOM, AND NEW KINGDOM.

HIST-4093 Modern Middle East **3 Credits**
AN OVERVIEW OF THE HISTORY OF THE MIDDLE EAST FROM THE LAST CENTURY OF THE OTTOMAN EMPIRE THROUGH THE PRESENT.

HIST-4113 World History, 1939 to the Present **3 Credits**
A STUDY OF WORLD WAR II AND WORLD DEVELOPMENTS SINCE WORLD WAR II. SPECIAL EMPHASIS IS PLACED ON THE RECONSTRUCTION OF EUROPE, THE SPREADING COMMUNIST EMPIRE, THE EMERGENCE OF THE THIRD WORLD AND SPECIAL PROBLEMS FACING THE SUPER POWERS.

HIST-4233 History and Historians **3 Credits**
THIS COURSE DEALS WITH DEFINITIONS, REASONS, AND METHODS FOR HISTORICAL STUDY, HISTORIOGRAPHY, PHILOSOPHY OF HISTORY, AND THE HISTORICAL PROFESSION.

HIST-4353 The American West **3 Credits**
AN EXAMINATION OF THE POLITICAL, SOCIAL, CULTURAL, ECONOMIC, AND ENVIRONMENTAL FORCES THAT SHAPED, AND CONTINUE TO SHAPE, THE AMERICAN WEST.

HIST-4533 The United States, 1783-1828 **3 Credits**
AN IN-DEPTH, INTERPRETIVE STUDY OF AMERICAN HISTORY FROM THE REVOLUTION TO THE ELECTION OF ANDREW JACKSON.

HIST-4553 United States, 1828-1860 **3 Credits**
AN IN-DEPTH, INTERPRETIVE STUDY OF AMERICAN HISTORY FROM THE ELECTION OF ANDREW JACKSON TO THE EVE OF THE CIVIL WAR.

HIST-4573 American Leaders 1607-1865 **3 Credits**
A CHRONICLING OF U.S. HISTORY THROUGH CAREFUL EXAMINATION OF THE LIVES OF PROMINENT INDIVIDUALS FROM THE COLONIAL ERA TO THE END OF THE CIVIL WAR.

HIST-4593 American Leaders 1865 to the Present **3 Credits**
A CHRONICLING OF U.S. HISTORY THROUGH CAREFUL EXAMINATION OF THE LIVES OF PROMINENT INDIVIDUALS FROM THE END OF THE CIVIL WAR TO THE PRESENT.

HIST-4713 Civil War and Reconstruction in the United States **3 Credits**
CAUSES OF THE CIVIL WAR, THE MILITARY CAMPAIGNS, AND RECONSTRUCTION, 1860-1877.

HIST-4733 The United States 1877-1919 **3 Credits**
INDUSTRIAL GROWTH AND SOCIAL CHANGE IN THE UNITED STATES, ACQUISITION OF THE NATION'S EMPIRE, AND THE U.S. IN WORLD WAR I.

HIST-4753 The United States 1919-1945 **3 Credits**
EMPHASIS ON POLITICAL AND SOCIAL DEVELOPMENTS FROM THE END OF WORLD WAR I THROUGH WORLD WAR II.

HIST-A3883 Writing in History - American (Subject named in title listing) **3 Credits**
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-A4981 Seminar in American History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4982 Seminar in American History (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4983 Seminar in American History (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4984 Seminar in American History (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4991 Individual Studies in American History (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

HIST-A4992 Individual Studies in American History (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4993 Individual Studies in American History (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A4994 Individual Studies in American History (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-A5983 Seminar in American History (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HIST-A5993 Individual Studies in American History (Subject named in title listing) 3 Credits
Directed intensive study on definite problem or special subject, based on approved outline or plan; conferences, oral, and written reports. Required Previous: Twelve (12) hours in History or department approval.

HIST-E3883 Writing in History - European (Subject named in title listing) 3 Credits
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-E4981 Seminar in European History (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4982 Seminar in European History (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4983 Seminar in European History (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM

HIST-E4984 Seminar in European History (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4991 Individual Studies in European History (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4992 Individual Studies in European History (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4993 Individual Studies in European History (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E4994 Individual Studies in European History (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-E5983 Seminar in European History (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HIST-H2213 Honors-Oklahoma History 3 Credits
AN INTRODUCTORY OVERVIEW OF OKLAHOMA HISTORY FROM PRE-HISTORY TO THE PRESENT.

HIST-H3113 Honors-Contemporary American History 3 Credits
A STUDY OF CONTEMPORARY ISSUES OF THE UNITED STATES, INCLUDING THEIR IMMEDIATE HISTORICAL BACKGROUND, PROBLEMS DRAWN FROM THE POLITICAL, ECONOMIC, SOCIAL, AND INTELLECTUAL EXPERIENCE OF AMERICA SINCE 1945.

HIST-H3613 Honors-Europe 1815-1914 3 Credits
COURSE COVERS THE PERIOD AFTER NAPOLEON, DURING WHICH SUCCESSIVE REVOLUTIONS ERUPTED AGAINST THE OLD REGIME, THE INDUSTRIAL REVOLUTION BROUGHTON GREAT CHANGES, MODERN ITALY AND GERMANY WERE FORMED, AND NATIONALISM, MILITARISM, AND IMPERIAL RIVALRIES MOVED EUROPE TOWARD WORLD WAR I.

HIST-H3923 Honors-World History, 1914-1939 **3 Credits**
A STUDY OF THE PRINCIPAL EUROPEAN AND ASIATIC NATIONS, AND THE INTERNATIONAL RELATIONS OF THESE COUNTRIES WITH EACH OTHER AND THE U.S., THE RISE AND AIMS OF THE TOTALITARIAN STATES, PARTICULARLY HITLER'S GERMANY AND SOVIET RUSSIA, CONFLICTS BETWEEN THE DEMOCRATIC, FASCIST AND COMMUNIST STATES WHICH SERVE AS THE BACKGROUND FOR WORLD WAR II.

HIST-H4113 Honors-World History 1939 to the Present **3 Credits**
A STUDY OF WORLD WAR II AND WORLD DEVELOPMENTS SINCE WORLD WAR II. SPECIAL EMPHASIS IS PLACED ON THE RECONSTRUCTION OF EUROPE, THE SPREADING COMMUNIST EMPIRE, THE EMERGENCE OF THE THIRD WORLD AND SPECIAL PROBLEMS FACING THE SUPER POWERS.

HIST-H4233 Honors-History and Historians **3 Credits**
THIS COURSE DEALS WITH DEFINITIONS, REASONS, AND METHODS FOR HISTORICAL STUDY, HISTORIOGRAPHY, PHILOSOPHY OF HISTORY, AND THE HISTORICAL PROFESSION.

HIST-H4353 Honors-The American West **3 Credits**
AN EXAMINATION OF THE POLITICAL, SOCIAL, CULTURAL, ECONOMIC, AND ENVIRONMENTAL FORCES THAT SHAPED, AND CONTINUE TO SHAPE, THE AMERICAN WEST.

HIST-H4533 Honors-The United States, 1783-1828 **3 Credits**
AN IN-DEPTH, INTERPRETIVE STUDY OF AMERICAN HISTORY FROM THE REVOLUTION TO THE ELECTION OF ANDREW JACKSON.

HIST-H4713 Honors-Civil War and Reconstruction in the United States **3 Credits**
CAUSES OF THE CIVIL WAR, THE MILITARY CAMPAIGNS, AND RECONSTRUCTION, 1860-1877.

HIST-H4753 Honors-The United States 1919-1945 **3 Credits**
EMPHASIS ON POLITICAL AND SOCIAL DEVELOPMENTS FROM THE END OF WORLD WARI THROUGH WORLD WAR II.

HIST-HA3883 Honors-Writing in History - American (Subject named in title listing) **3 Credits**
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-HA4983 Honors-Seminar in American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-HE4983 Honors-Seminar in European History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-HN4983 Honors-Seminar in Native American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-HW4983 Honors-Seminar in World History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4981 Seminar in Native American History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4982 Seminar in Native American History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4983 Seminar in Native American History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-N4984 Seminar in Native American History (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-S5982 Seminar in History (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HIST-W3883 Writing in History - World History (Subject named in title listing) **3 Credits**
A RESEARCH AND WRITING SEMINAR ON VARIOUS TOPICS IN UNITED STATES, EUROPEAN AND WORLD HISTORY. IT WILL BE CREDITED TO ONE OF THOSE FIELDS ON THE HISTORY MAJOR.

HIST-W4981 Seminar in World History (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4982 Seminar in World History (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4983 Seminar in World History (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4984 Seminar in World History (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4991 Individual Studies in World History (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4992 Individual Studies in World History (Subject named in title listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4993 Individual Studies in World History (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W4994 Individual Studies in World History (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HIST-W5983 Seminar in World History (subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(HMGMT)

HMGMT-3003 Health Information Systems 3 Credits
THIS COURSE PROVIDES AN OVERVIEW OF HEALTH INFORMATION TECHNOLOGY AND ITS ROLE IN HEALTHCARE MANAGEMENT. TOPICS INCLUDE ELECTRONIC HEALTH RECORDS (EHRS), HEALTH DATA ANALYTICS, AND THE USE OF INFORMATION SYSTEMS TO IMPROVE PATIENT OUTCOMES. STUDENTS WILL EXPLORE DATA PRIVACY, SECURITY, AND THE IMPACT OF TECHNOLOGY ON HEALTHCARE DELIVERY AND DECISION-MAKING.

HMGMT-3013 Introduction to Healthcare Management 3 Credits
THIS COURSE INTRODUCES THE FUNDAMENTAL CONCEPTS OF HEALTHCARE MANAGEMENT, INCLUDING THE ROLES, RESPONSIBILITIES, AND FUNCTIONS OF HEALTHCARE MANAGERS. STUDENTS WILL LEARN ABOUT HEALTHCARE SYSTEMS, ORGANIZATIONAL STRUCTURES, AND THE CHALLENGES OF MANAGING HEALTHCARE FACILITIES. EMPHASIS IS PLACED ON UNDERSTANDING LEADERSHIP, OPERATIONS, AND THE REGULATORY ENVIRONMENT IN HEALTHCARE.

HMGMT-4003 Financial Management in Healthcare 3 Credits
THIS COURSE PROVIDES AN INTRODUCTION TO THE FINANCIAL PRINCIPLES AND PRACTICES USED IN HEALTHCARE SETTINGS. TOPICS INCLUDE BUDGETING, FINANCIAL PLANNING, REVENUE CYCLE MANAGEMENT, AND COST CONTROL. STUDENTS WILL LEARN HOW TO APPLY FINANCIAL ANALYSIS TO MAKE INFORMED DECISIONS THAT ENSURE THE FINANCIAL STABILITY OF HEALTHCARE ORGANIZATIONS, WITH A FOCUS ON UNDERSTANDING REIMBURSEMENT MODELS, FINANCIAL REPORTING, AND REGULATORY COMPLIANCE.

HMGMT-4013 Healthcare Regulatory Environment 3 Credits
THIS COURSE EXAMINES THE REGULATORY FRAMEWORK GOVERNING HEALTHCARE ORGANIZATIONS. STUDENTS WILL EXPLORE KEY FEDERAL, STATE, AND LOCAL REGULATIONS, INCLUDING COMPLIANCE REQUIREMENTS, ACCREDITATION STANDARDS, AND THE ROLE OF GOVERNMENT AGENCIES. EMPHASIS IS PLACED ON UNDERSTANDING HOW REGULATIONS IMPACT HEALTHCARE OPERATIONS, PATIENT CARE, AND ORGANIZATIONAL POLICY.

(HNRS)

HNRS-1111 Honors Freshman Colloquium 1 Credit
STUDENTS NEWLY ADMITTED TO THE ECU HONORS PROGRAM ARE ORIENTED TO THE CAMPUS LIFE, OPPORTUNITIES FOR STUDY AND SKILL DEVELOPMENT. PRESENTED WITH FUNDAMENTALS OF CRITICAL THINKING AND RESEARCH SKILLS AND ARE ENCOURAGED TO EXPLORE OUR WESTERN CULTURAL TRADITIONS OF LIBERAL ARTS EDUCATION. STUDENTS MAY PARTICIPATE IN GROUP DISCUSSIONS AND PRESENTATIONS.

HNRS-1213 Enduring Questions: Perspectives From the Humanities 3 Credits
THE COURSE IS A FRESHMAN-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE FIRST IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND A SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES AND EMPHASIZING PRIMARY SOURCE MATERIAL DRAWN FROM THE HUMANITIES WILL INFORM THE COURSE STRUCTURE. STUDENT

HNRS-1313 Enduring Questions: Global Perspectives 3 Credits
THE COURSE IS A FRESHMAN-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE SECOND IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND A SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES AND EMPHASIZING PRIMARY SOURCE MATERIAL DRAWN FROM THE GLOBAL HUMANITIES WILL INFORM THE COURSE STRUCTURE. Required Previous: HNRS-1213 OR requisite override by the Honors Director and Admission to Honors Program

HNRS-2213 Enduring Questions: Perspectives from Science 3 Credits
THIS COURSE IS A SOPHOMORE-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE THIRD IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES AND EMPHASIZING PRIMARY SOURCE MATERIAL DRAWN FROM THE SCIENCES WILL INFORM THE COURSE STRUCTURE. ATTENTION Required Previous: HNRS-1213 OR requisite override by the Honors Director and Admission to Honors Program

HNRS-2313 Enduring Questions: Perspectives from Rhetoric and Research 3 Credits
THIS COURSE IS A SOPHOMORE-LEVEL SEMINAR FOR HONORS STUDENTS. IT IS THE FOURTH IN A FOUR-COURSE SEQUENCE, UNIFIED IN CONTENT AROUND SIGNIFICANT ENDURING QUESTIONS CENTRAL TO THE LIBERAL ARTS. SOME OPTIONS INCLUDE: WHAT DOES IT MEAN TO BE HUMAN WHAT IS JUSTICE WHAT IS GOODNESS HOW CAN WE LIVE RESPONSIBLY ON THE PLANET A TRUE INTERDISCIPLINARY APPROACH FOCUSING ON AT LEAST TWO DISCIPLINES, EMPHASIZING RHETORIC AND RESEARCH, WILL INFORM THE COURSE STRUCTURE. ATTENTION WILL BE PAID TO HOW THE PR Required Previous: HNRS-1213 OR requisite override by the Honors Director and Admission to the Honors Program

HNRS-2881 Special Studies in Honors (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-2882 Special Studies in Honors (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-2883 Special Studies in Honors (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-2884 Special Studies in Honors (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4981 Seminar in Honors (Subject named in title listing) 1 Credit
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4982 Seminar in Honors (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4983 Seminar in Honors (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4984 Seminar in Honors (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4991 Individual Studies in Honors (Subject named in title listing) 1 Credit
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM

HNRS-4992 Individual Studies in Honors (Subject named in title listing) 2 Credits
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4993 Individual Studies in Honors (Subject named in title listing) 3 Credits
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

HNRS-4994 Individual Studies in Honors (Subject named in title listing) 4 Credits
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

(HPER)

HPER-E1611 Theo & tech Dance I-Md Dn II 1 Credit
A STUDY OF THE BASIC DANCE STEPS, MOVEMENTS, AND TECHNIQUES USED IN THISAREA OF DANCE. TYPE OF DANCE WILL BE LISTED IN SCHEDULE.

HPER-F1611 Theo & tech Dance I-Folk Dnc 1 Credit
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-F2512 Fund Spts-Football 2 Credits
INSTRUCTION AND PRACTICE IN FUNDAMENTAL SKILLS. MAY BE REPEATED-WILL COUNT ONLY ONCE IN ANY ONE SPORT ON MAJOR OR MINOR.

HPER-F3113 Offic Spts-Football 3 Credits
A STUDY OF THE RULES AND THE MECHANICS OF OFFICIATING EACH SPORT.

HPER-F4543 Adv Theo Coach-Football 3 Credits
AN INTENSIVE STUDY OF MODERN TECHNIQUES OF COACHING.

HPER-H1611 Theo & tech Dance I-Jazz II 1 Credit
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-J1611 Theo & tech Dance I-Tap & jazz 1 Credit
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-K1611 Theo & tech Dance I-Ballet I 1 Credit
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-K3113 Offic Spts-Basketball 3 Credits
A STUDY OF THE RULES AND THE MECHANICS OF OFFICIATING EACH SPORT.

HPER-K4543 Adv Theo Coach-Basketball 3 Credits
AN INTENSIVE STUDY OF MODERN TECHNIQUES OF COACHING.

HPER-L1611 Theo & tech Dance I-Ballet 1 Credit
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-M1611 Theo & tech Dance I-Md Dnc I **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-N1002 P E Activ-Aerobic Swimming **2 Credits**
ACTIVITIES FOR GENERAL PHYSICAL IMPROVEMENT. TYPE OF ACTIVITY WILL BEIDENTIFIED IN COURSE LISTING.

HPER-N1611 Theo & tech Dnc I-Ballet II **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-P1611 Theo & tech Dance I-Sq Dnc **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-R2512 Fund Spts-Wrestling **2 Credits**
INSTRUCTION AND PRACTICE IN FUNDAMENTAL SKILLS. MAY BE REPEATED-WILL COUNT ONLY ONCE IN ANY ONE SPORT ON MAJOR OR MINOR.

HPER-T1611 Theo & tech Dance I-Tap I **1 Credit**
A STUDY OF BEGINNING THEORIES AND TECHNIQUES IN DANCE, WHICH PROMOTE THE DEVELOPMENT OF SPECIFIC MOVEMENT QUALITIES AND PERFORMANCE SKILLS.

HPER-W2512 Fund Spts-Wght Trng & Cond **2 Credits**
INSTRUCTION AND PRACTICE IN FUNDAMENTAL SKILLS. MAY BE REPEATED-WILL COUNT ONLY ONCE IN ANY ONE SPORT ON MAJOR OR MINOR.

(HRED)

HRED-S5981 Seminar in Human Resources Education (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HRED-S5982 Seminar in Human Resources Education (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(HRPSY)

HRPSY-3253 Psychology of Aging **3 Credits**
A SURVEY INTRODUCTION TO THE PSYCHOLOGICAL ASPECTS OF LATER LIFE WITH PARTICULAR EMPHASIS ON THE BEHAVIORAL CHANGES ASSOCIATED WITH THE EMOTIONAL, MOTIVATIONAL, PERSONALITY, SOCIAL AND ENVIRONMENTAL CONDITIONS OF THE ELDERLY. Required Previous: Take PSYCH-1113

(HUM)

HUM-2113 General Humanities I **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST IN HISTORY, VISUAL ARTS, ARCHITECTURE, MUSIC, LITERATURE, AND PHILOSOPHY FROM PREHISTORIC TIMES TO THE RENAISSANCE.

HUM-2123 General Humanities II **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST IN HISTORY, VISUAL ARTS, ARCHITECTURE, MUSIC, LITERATURE, AND PHILOSOPHY FROM THE RENAISSANCE TO THE PRESENT.

HUM-2313 Multicultural American Literature **3 Credits**
A STUDY OF THE PROSE, POETRY, DRAMA, AND FILM OF AMERICAN WRITERS FROM DIVERSE CULTURAL PERSPECTIVES.

HUM-2323 Global Literature **3 Credits**
A STUDY OF GLOBAL PERSPECTIVES EXPRESSED THROUGH LITERATURE FROM MULTIPLE CONTINENTS AND IN MULTIPLE GENRES.

HUM-2413 Responding to Literature **3 Credits**
INTRODUCES THE UNDERSTANDING AND INTERPRETATION OF LITERATURE, WITH EMPHASIS ON WESTERN LITERATURE FROM A VARIETY OF CULTURES. POETRY, FICTION, DRAMA, FILM, AND NON-FICTION FROM A VARIETY OF ERAS ARE STUDIED. LITERARY TERMS ARE INTRODUCED.

HUM-2513 Introduction to Oklahoma Cultural Studies **3 Credits**
INTRODUCES CULTURAL STUDIES BY EXAMINING THE HISTORIC, ECONOMIC AND GEOGRAPHIC INFLUENCES ON OKLAHOMA'S DIVERSE POPULATIONS. TOPICS ARE EXPLORED BY SHOWING HOW LITERATURE, MUSIC, FILM, AND THE ARTS REFLECT AND SHAPE THE STATE'S CULTURE.

HUM-2613 Philosophy: An Introduction **3 Credits**
A STUDY OF SIGNIFICANT IDEAS OF WESTERN CULTURE AS REFLECTED IN PHILOSOPHICAL THOUGHT FROM THE EARLIEST BEGINNINGS TO THE PRESENT.

HUM-2633 World Religion and Thought **3 Credits**
A STUDY OF THE WORLD'S MOST INFLUENTIAL RELIGIONS AND RELIGIOUSLY ORIENTED SCHOOLS OF THOUGHT, WITH AN EMPHASIS ON THOSE FLOURISHING NOW.

HUM-2713 Language and Culture **3 Credits**
A STUDY OF THE NATURE OF LANGUAGE AND OF THE RELATIONSHIP OF LANGUAGE TO SOCIETY AND TO THE INDIVIDUAL. STUDENTS WILL EXPLORE BOTH UNIVERSAL AND CROSSCULTURAL ASPECTS OF LANGUAGE AND WILL BE INTRODUCED TO AT LEAST THREE LANGUAGES FROM THREE DIFFERENT LANGUAGE FAMILIES.

HUM-2813 Interpreting Film **3 Credits**
A STUDY OF FILM FROM AESTHETIC, CULTURAL, AND HISTORICAL PERSPECTIVES.

HUM-2881 Special Studies in Humanities **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-2882 Special Studies in Humanities **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-2883 Special Studies in Humanities **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-2884 Special Studies in Humanities **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4981 Seminar in Humanities **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4982 Seminar in Humanities **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4983 Seminar in Humanities **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-4984 Seminar in Humanities **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-H2113 Honors-General Humanities I **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST IN HISTORY, VISUAL ARTS, ARCHITECTURE, MUSIC, LITERATURE, AND PHILOSOPHY FROM PREHISTORIC TIMES TO THE RENAISSANCE.

HUM-H2313 Honors-Multicultural American Literature **3 Credits**
A STUDY OF THE PROSE, POETRY, DRAMA, AND FILM OF AMERICAN WRITERS FROM DIVERSE CULTURAL PERSPECTIVES.

HUM-H2413 Honors-Responding to Literature **3 Credits**
INTRODUCES THE UNDERSTANDING AND INTERPRETATION OF LITERATURE, WITH EMPHASIS ON WESTERN LITERATURE FROM A VARIETY OF CULTURES. POETRY, FICTION, DRAMA, FILM, AND NON-FICTION FROM A VARIETY OF ERAS ARE STUDIED. LITERARY TERMS ARE INTRODUCED.

HUM-H2513 Honors-Intro to Okla Cul Stu **3 Credits**
INTRODUCES CULTURAL STUDIES BY EXAMINING THE HISTORIC, ECONOMIC AND GEOGRAPHIC INFLUENCES ON OKLAHOMA'S DIVERSE POPULATIONS. TOPICS ARE EXPLOREDBY SHOWING HOW LITERATURE, MUSIC, FILM, AND THE ARTS REFLECT AND SHAPE THE STATE'S CULTURE.

HUM-H2633 Honors-World Religion & Thought **3 Credits**
A STUDY OF THE WORLD'S MOST INFLUENTIAL RELIGIONS AND RELIGIOUSLY ORIENTED SCHOOLS OF THOUGHT, WITH AN EMPHASIS ON THOSE FLOURISHING NOW.

HUM-H2713 Honors-Language and Culture **3 Credits**
A STUDY OF THE NATURE OF LANGUAGE AND OF THE RELATIONSHIP OF LANGUAGE TO SOCIETY AND TO THE INDIVIDUAL. STUDENTS WILL EXPLORE BOTH UNIVERSAL AND CROSSCULTURAL ASPECTS OF LANGUAGE AND WILL BE INTRODUCED TO AT LEAST THREE LANGUAGES FROM THREE DIFFERENT LANGUAGE FAMILIES.

HUM-H2883 Honors-Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HUM-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(HURES)

HURES-2063 Survey of Human Resources **3 Credits**
ORIENTATION TO THE HUMAN RESOURCE PERSPECTIVE, STUDY OF HUMAN SERVICE DELIVERY SYSTEMS DEVELOPED FOR THE PROMOTION AND MAINTENANCE OF HUMAN WELFARE, HELPING SERVICE PHILOSOPHY AND METHODS, HELPING PROFESSIONAL VALUES AND SKILLS, HUMAN SERVICE OCCUPATIONAL INFORMATION, A VIEW OF SOCIAL FORCES INFLUENCING THE PROVISION OF HUMAN SERVICES.

HURES-2153 Deaf Culture **3 Credits**
THIS COURSE COVERS THE TREATMENT OF DEAF INDIVIDUALS, THEIR EDUCATION, AND LEGAL STATUS IN WESTERN CULTURES FROM EARLY CIVILIZATIONS TO THE PRESENT DAY, INCLUDING THE POLITICAL AND PHILOSOPHICAL FORCES WHICH INFLUENCE THIS TREATMENT.

HURES-2293 Introduction to Aging **3 Credits**
ORIENTATION TO CONCEPTS, PHILOSOPHY AND LEGISLATION ON AGING. TOPICS INCLUDE: IMPLICATIONS OF AGING, LEGISLATIVE AND COMMUNITY SERVICES. THE COURSE IS DESIGNED SO THAT THE STUDENT MAY GAIN BASIC KNOWLEDGE, VALUES, AND SKILLS IN THIS AREA.

HURES-2511 Field Work Studies (Field study named in title listing) **1 Credit**
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-2512 Field Work Studies (Field study named in title listing) **2 Credits**
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-2881 Special Studies in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-2882 Special Studies in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-2883 Special Studies in Human Resources (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-2884 Special Studies in Human Resources (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4003 Theory and Practice of Prevention Science **3 Credits**
THIS COURSE IS A FOLLOW-UP TO THE INTRODUCTION TO PREVENTION SCIENCE COURSE. STUDENTS WILL EXPLORE AND ADDRESS EMERGING ISSUES IN THE FIELD, PREVENTION ETHICS, AND IMPLEMENTATION SCIENCE, THEORIES, AND THEIR APPLICATION TO COMMUNITY-BASED RESEARCH. Required Previous: HURES-2073

HURES-4263 Gerontological Program Management **3 Credits**
A STUDY OF THE VARIOUS COMMUNITY PROGRAMS DESIGNED TO SERVE THE ELDERLY AND AN ANALYSIS OF MANAGEMENT PROCEDURES NECESSARY FOR ADMINISTRATION OF THESE PROGRAMS. TOPICS INCLUDE: PROGRAM DEVELOPMENT, COORDINATION OF SERVICES, USE OF VOLUNTEERS, AND SPECIAL PROBLEMS OF THE TARGET POPULATION.

HURES-4763 Interpreting I **3 Credits**
A SURVEY OF THE BASIC THEORIES, GUIDELINES, PRINCIPLES AND PRACTICES OF INTERPRETING, INCLUDING THE INTERPRETER CODE OF ETHICS AND ROLE OF THE INTERPRETER. TECHNIQUES OF INTERPRETING IN VOCATIONAL REHABILITATION, MENTAL HEALTH, SOCIAL SERVICES, EDUCATIONAL, MEDICAL, AND LEGAL SITUATIONS WILL BE DISCUSSED IN TERMS OF RESPONSIBILITIES OF THE INTERPRETER, THE PHYSICAL SETTING, VOCABULARY, ETHICS AND RELATED TOPICS. ROLE PLAYING AND SIMULATED INTERPRETING EXPERIENCES WILL BE INCLUDED IN THE COURSE. Required Previous: ASLHR-3063

HURES-4794 Interpreting II **4 Credits**
CONTINUED STUDY OF THE PRINCIPLES AND PRACTICES OF INTERPRETING. EMPHASIS WILL BE PLACED ON THE TECHNIQUES USED FOR INTERPRETING THE MANUAL AND ORAL COMMUNICATIONS OF DEAF PERSONS INTO SPOKEN ENGLISH EQUIVALENTS. ALL TYPES OF SITUATIONS REQUIRING REVERSE INTERPRETING WILL BE PRESENTED USING THE VARIOUS FORMS OF COMMUNICATION USED BY DEAF INDIVIDUALS. SPECIAL TECHNIQUES AND REQUIREMENTS FOR ORAL INTERPRETING AND DEAF-BLIND INTERPRETING WILL ALSO BE INCLUDED. STUDENTS WILL OBSERVE INTERPRETERS IN Required Previous: HURES-4763

HURES-4931 Human Resources Practicum **1 Credit**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4932 Human Resources Practicum **2 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4933 Human Resources Practicum **3 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4934 Human Resources Practicum **4 Credits**
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-4941 Internship (Field named in title listing) **1 Credit**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4942 Internship (Field named in title listing) **2 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4943 Internship (Field named in title listing) 3 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4944 Internship (Field named in title listing) 4 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4945 Internship (Field named in title listing) 5 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4947 Internship (Field named in title listing) 7 Credits
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-4982 Seminar in Human Resources (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4983 Seminar in Human Resources (Subject Named in Title Listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4984 Seminar in Human Resources (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4991 Individual Study (Subject named in title listing) 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4992 Individual Study (Subject named in Title Listing) 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4993 Individual Study (Subject named in title listing) 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-4994 Individual Study (Subject named in title listing) 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-5083 Concepts in Addiction Counseling Practice 3 Credits
THIS COURSE IS AN EXPLORATION OF CONCEPTS OF CHEMICAL DEPENDENCY, INCLUDING: THE NATURE OF ADDICTION, GENDER AND SUBSTANCE USE DISORDERS, SUBSTANCE USE AND ABUSE BY CHILDREN AND ADOLESCENTS, CODEPENDENCY AND ENABLING, DUAL-DIAGNOSIS, MEDICAL MODEL, PSYCHOSOCIAL MODEL, DISEASE OF THE HUMAN SPIRIT, ASSESSMENT, INTERVENTION, AND TREATMENT MODALITIES.

HURES-5113 Personal, Social and Work Adjustment Counseling 3 Credits
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE AND EXPERIENCE IN INDIVIDUALIZED WORK ADJUSTMENT PLAN DEVELOPMENT, TREATMENT/TRAINING STRATEGIES, AND PROGRESS MONITORING PROCEDURES RELATED TO THE DEVELOPMENT OF APPROPRIATE WORK BEHAVIOR AND FUNCTIONAL COMMUNITY SKILLS FOR PERSONS WITH MENTAL AND PSYCHO-SOCIAL DISABILITIES. ADDRESSES THE DIFFERENT TYPES OF HABILITATION AND REHABILITATION FACILITIES, COMMUNITY INTEGRATION, INDEPENDENT LIVING, AND TRANSITION FROM SCHOOL TO WORK OF PERSONS

HURES-5153 Operations Management 3 Credits
A STUDY OF THE DESIGN, OPERATIONS AND CONTROL OF THE HUMAN SERVICE DELIVERY SYSTEM. TOPICS OF STUDY INCLUDE STRATEGIC PLANNING AND PROGRAMMING, BUDGETING, OPERATING, AND ACCOUNTING SYSTEMS, COST OUTCOME/COST EFFECTIVENESS TECHNIQUES, PROJECT SCHEDULING AND CONTROL, AND FACILITY/OFFICE LAYOUT.

HURES-5173 Rehabilitation in the Private Sector 3 Credits
THIS COURSE EXPLORES THE REHABILITATION PROCESS IN PRIVATE-FOR-PROFIT AND PRIVATE-NON-PROFIT ORGANIZATIONS. PRIVATE SECTOR MODELS WILL BE PRESENTED. ISSUES SUCH AS THE EMPHASIS ON PROFIT, PRODUCTION, AND EFFICIENCY WILL BE DISCUSSED. ETHICS FOR PRACTICE WILL BE INCLUDED.

HURES-5193 Adaptations and Accommodations in Assessment and Work Settings 3 Credits
THIS COURSE IDENTIFIES NECESSARY ACCOMMODATIONS FOR PERSONS WITH DISABILITIES TO SUCCESSFULLY COMPLETE VOCATIONAL EVALUATION, WORK ADJUSTMENT, AND EMPLOYMENT TASKS. STUDENTS WILL LEARN TO ADAPT AND MODIFY VOCATIONAL ASSESSMENT PROCEDURES AND THE WORK ADJUSTMENT SETTING. IN ADDITION THE STUDENT WILL BE PREPARED TO MAKE SIMILAR RECOMMENDATIONS TO EMPLOYMENT SETTINGS.

HURES-5263 Management Information Systems 3 Credits
ACQUAINTANCE WITH AT LEAST ONE COMPUTER LANGUAGE AND DEPARTMENTAL APPROVAL. A STUDY OF THE INFORMATION PROCESSING SYSTEM NEEDED FOR PLANNING AND CONTROLLING A HUMAN SERVICE ORGANIZATION. TOPICS INCLUDE DESIGN AND OPERATION OF MANAGEMENT INFORMATION SYSTEMS AND ADMINISTRATIVE USE OF COMPUTERS.

HURES-5333 Vocational Assessment of Person with Disabilities 3 Credits
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE AND EXPERIENCE IN VOCATIONAL ASSESSMENT AND COUNSELING OF PERSONS WITH DISABILITIES. INCLUDES USING THE MEASURES OF VOCATIONAL INTEREST, ACHIEVEMENT, APTITUDE, AND PERSONALITY TESTS, WORK SAMPLES, SITUATIONAL ASSESSMENT, CURRICULUM-BASED VOCATIONAL ASSESSMENT. STRESSES ASSESSMENT PROCEDURES FOR PERSONS WITH SEVERE DISABILITIES AND ADDRESSES VOCATIONAL EDUCATION OF SECONDARY SPECIAL NEED STUDENTS AND TRANSITION FROM SCHOOL TO WORK.

HURES-5343 Personnel Supervision **3 Credits**
A STUDY OF THE PERSONNEL ASPECTS OF THE HUMAN SERVICE ORGANIZATION AND ITS RELATION WITH OTHER ORGANIZATIONAL COMPONENTS. EMPHASIS IS GIVEN TO INCREASING THE STUDENTS' KNOWLEDGE AND UNDERSTANDING OF FACTORS AFFECTING EFFECTIVE HUMAN RESOURCE UTILIZATION. TOPICS COVERED INCLUDE LEADERSHIP AND MOTIVATION THEORIES, MANPOWER PLANNING, RECRUITMENT AND SELECTION, CIVIL SERVICE SYSTEMS, COLLECTIVE BARGAINING/UNIONIZATION, CAREER DEVELOPMENT/ TRAINING, PERFORMANCE EVALUATION, DISCIPLINE, EQUAL OPPORTUNI

HURES-5383 Family Systems and Addictions **3 Credits**
AN ADVANCED STUDY OF THE FAMILY AS A HOMOGENOUS SOCIAL UNIT AND THE INTERACTION OF ADDICTIVE PROCESSES (INCLUDING ALCOHOL, CHEMICAL, GAMBLING, AND OTHER) HAS ON THE FAMILY SYSTEM. FAMILY INTERVENTION AND TREATMENT MODALITIES WILL BE EXPLORED.

HURES-5433 Organizational Leadership and Decision Making **3 Credits**
AN INTEGRATIVE APPROACH TO THE STUDY OF MAJOR LEADERSHIP AND DECISION MAKING THEORIES. THIS COURSE WILL EXPLORE STRATEGIES AND OPTION FOR INTEGRATING VALUES INTO THE LEADERSHIP DECISION MAKING. APPLYING THOSE STRATEGIES TO REAL WORLD CASE STUDIES AND DEVELOPING TOOLS TO NAVIGATE THOSE SITUATIONS WHERE THERE IS PRESSURE TO COMPROMISE VALUES OR DISENGAGE FROM OUR ETHICS OR MORAL COMPASS.

HURES-5463 Medical Aspects of Disability **3 Credits**
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE AND UNDERSTANDING OF THE BODY SYSTEMS AND RELATED DISABILITIES. A HOLISTIC APPROACH TO ASSESSMENT OF FUNCTIONAL CAPACITY OF PERSONS WITH DISABILITIES IS PRESENTED. EMPHASIS IS PLACED ON THE FUNCTIONAL LIMITATIONS AND EFFECT OF MEDICAL DISABILITY ON EMPLOYMENT, TRAINING, AND INDEPENDENT LIVING. PSYCHOLOGICAL IMPLICATIONS INCLUDING PSYCHO-SOCIAL AND ADJUSTMENT ASPECTS OF DISABILITY IS ALSO EMPHASIZED.

HURES-5473 Framework for Job Placement Development **3 Credits**
THE COURSE IS DESIGNED TO HELP STUDENTS ACQUIRE KNOWLEDGE, UNDERSTANDING, & EXPERIENCE IN THE JOB PLACEMENT OF PERSONS WITH SIGNIFICANT DISABILITIES AND THE IMPACT ON THE INDIVIDUAL AND FAMILY. A HOLISTIC APPROACH TO JOB PLACEMENT IS PRESENTED. INCLUDES: JOB SEEKING TRAINING, JOB DEVELOPMENT PROCEDURES, JOB ANALYSIS, JOB MODIFICATION, LABOR MARKET INFORMATION, WORKING WITH BUSINESS AND INDUSTRY, LEGISLATION AND PLACEMENT, SELECTIVE PLACEMENT, SUPPORTED EMPLOYMENT, SUPPORTIVE SERVICES, INDEPENDEN

HURES-5483 Family Therapy and Addictions **3 Credits**
A SURVEY OF THE MAJOR THEORIES, METHODS, AND TECHNIQUES OF MARRIAGE AND FAMILY COUNSELING, WITH AN EMPHASIS ON THE IMPACT OF ADDICTION AND THE TREATMENT OF ADDICTIVE PATTERNS IN FAMILY WORK. THE APPLICATION OF FAMILY SYSTEMS THEORY AND THE IMPLEMENTATION OF FAMILY THERAPY TECHNIQUES TO THE PATTERNS OF ADDICTION IS THE FOUNDATION OF THIS COURSE. THE MAJOR CAMPS MARRIAGE AND FAMILY THERAPY THEORY WILL BE COVERED. THIS MAY INCLUDE, BUT IS NOT LIMITED TO EXPERIENTIAL, PROCESS, BEHAVIORAL, COGNITIVE,

HURES-5563 Practicum in Counseling Supervision **3 Credits**
THE STUDENT WILL BE PROVIDED THEORETICAL AND APPLICATION MODELS FOR PROVIDING SUPERVISION OF INDIVIDUAL AND GROUP COUNSELING IN A HUMAN SERVICE ORGANIZATION. STUDENTS WILL EXPLORE APPROPRIATE TECHNIQUES FOR EVALUATION OF EFFECTIVENESS. TECHNIQUES FOR PROVIDED SUPPORT AND SKILL BUILDING WILL ALSO BE EMPHASIZED. Required Previous: HURES-5553 taken twice

HURES-5953 Internship in Counseling **3 Credits**
COMPLETION OF COURSEWORK AND DEPARTMENTAL APPROVAL. STUDENTS WILL SPEND A MINIMUM OF 600 CLOCK HOURS PROVIDING COUNSELING IN AN APPROVED HUMAN SERVICES ORGANIZATION. THE INTERNSHIP WILL BE CLOSELY SUPERVISED BY AND ONSITE SUPERVISOR AND FACULTY ADVISOR. STUDENTS ARE EXPECTED TO ENGAGE IN THE FULL RANGE OF SERVICES PROVIDED BY THE INTERNSHIP AGENCY. MAY NOT BE TAKEN WITH ANY PRACTICUM. Required Previous: HURES-C5553

HURES-5963 Internship Addictions Counseling **3 Credits**
STUDENTS WILL SPEND A MINIMUM OF 300 CLOCK HOURS PROVIDING COUNSELING SERVICES IN AN ADDICTION AGENCY UNDER THE SUPERVISION OF A LICENSED ALCOHOL & DRUG COUNSELOR, A LICENSED PROFESSIONAL COUNSELOR AND/OR OTHER APPROPRIATELY CREDENTIALED AND APPROVED ONSITE SUPERVISOR. STUDENTS ARE EXPECTED TO ENGAGE IN THE FULL RANGE OF COUNSELING SERVICES.

HURES-5981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5982 Seminar in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5983 Seminar in Human Resources (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5984 Seminar in Human Resources (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-5991 Individual Study in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or departmental approval

HURES-5992 Individual Study in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or departmental approval

HURES-5993 Individual Study in Human Resources (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or departmental approval

HURES-5994 Individual Study in Human Resources (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve hours of Human Resources or deparmental approval

HURES-A2511 Field Work Study-Aging 1 Credit
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-A2512 Field Work Studies-Aging 2 Credits
THIS COURSE IS DESIGNED TO PROVIDE THE STUDENT WITH A SUPERVISED FIELD EXPERIENCE IN A HUMAN SERVICE DELIVERY SETTING. THIS APPROACH ALLOWS THE STUDENT TO VALIDATE CLASSROOM THEORY IN A REALISTIC SETTING.

HURES-C5553 Practicum in Counseling 3 Credits
SUPERVISED INDIVIDUAL OR GROUP COUNSELING AND COMMUNITY DEVELOPMENT FIELD EXPERIENCES THROUGH PLACEMENT IN AN APPROPRIATE HUMAN SERVICE SETTING, AND/OR SUPERVISED COUNSELING AND GUIDANCE ACTIVITIES IN A LABORATORY SETTING. PRACTICUM I AND II ARE TO BE TAKEN CONSECUTIVELY. STUDENT MUST BE WITHIN THE LAST 20 HOURS OF THE PROGRAM AND HAVE COMPLETED CORE COUNSELING THEORY COURSEWORK. INSTRUCTOR PERMISSION REQUIRED. MAXIMUM NUMBER OF ALLOWABLE HOURS IS DETERMINED BY PROGRAM OPTION CURRICULUM.

HURES-H2083 Honors-Human Behavior and Social Environment I 3 Credits
THEORETICAL FRAMEWORKS DRAWN FROM THE BIOLOGICAL, SOCIAL, AND BEHAVIORAL SCIENCES FOR UNDERSTANDING ACROSS THE LIFE COURSE AND THE RANGE OF SOCIAL SYSTEMS IN WHICH PEOPLE LIVE, AND THE WAYS SOCIAL SYSTEMS PROMOTE OR DETER ACHIEVEMENT OF HEALTH AND WELL-BEING. EXPLORED IS THE IMPACT OF FACTORS INCLUDING ETHNICITY, RACE, CLASS, AGE, GENDER, SEXUAL ORIENTATION, DISABILITY, AND CULTURE ON HUMAN DEVELOPMENT AND BEHAVIOR. Required Previous: SOC-1113

HURES-H2153 Honors-Introduction to Deafness 3 Credits
THIS COURSE COVERS THE TREATMENT OF DEAF INDIVIDUALS, THEIR EDUCATION & LEGAL STATUS IN WESTERN CULTURES FROM EARLY CIVILIZATIONS TO THE PRESENT DAY, TOUCHING ON THE POLITICAL & PHILOSOPHICAL FORCES WHICH INFLUENCED THIS TREATMENT. INTRODUCED ARE BASIC METHODS OF EDUCATING THE DEAF USED TODAY & THE PHILOSOPHICAL STANCE SUPPORTING EACH (PARTICULARLY AS THEY CONCERN COMMUNICATION).

HURES-H2183 Honors-Fundamentals of Counseling 3 Credits
THIS COURSE PROVIDES A PHILOSOPHICAL ORIENTATION TO THE COUNSELING FUNCTION, AND THE COUNSELING MODEL OF COMMUNITY SERVICES, AND EXPLORES THE VARIOUS THEORETICAL APPROACHES TO THE PROVISION OF THESE SERVICES.

HURES-H2213 Honors-Introduction to Rehabilitation Counseling 3 Credits
A STUDY OF REHABILITATION CONCEPTS, PROCESS, PHILOSOPHY, AND ITS LEGISLATIVE-HISTORICAL PROGRESSION. EMPHASIS WILL BE PLACED ON THE ROLE AND FUNCTION OF THE COUNSELOR AND THE METHODS AND TECHNIQUES UTILIZED IN THE REHABILITATION PROCESS.

HURES-H3103 Honors-Psychological-Social Aspects of Deafness 3 Credits
CONSIDERS EFFECTS OF PRELINGUAL AND POSTLINGUAL DEAFNESS OR HEARING IMPAIRMENT ON THE PSYCHOLOGICAL AND EMOTIONAL DEVELOPMENT AND ADAPTATION OF THE INDIVIDUAL TO DEAFNESS. PRESENTS A STUDY OF COGNITIVE AND LINGUISTIC DEVELOPMENT, PERSONALITY, INTERPERSONAL BEHAVIOR, SOCIAL REACTIONS, PERSONAL ADJUSTMENT, AND DEAF CULTURE. ALSO INCLUDES AN INTRODUCTION TO COUNSELING WITH DEAF PEOPLE.

HURES-H3183 Honors-Case Management Practice 3 Credits
A STUDY AND PRACTICE OF CASE MANAGEMENT AND KNOWLEDGE AND SKILLS FOR EFFECTIVE CASE MANAGEMENT. AREAS OF EMPHASIS WILL INCLUDE: IDENTIFICATION AND ASSESSMENT OF CLIENT SITUATIONS, USE OF FORMAL AND INFORMAL ASSESSMENT TECHNIQUES, CASE RECORDING SKILLS, AND DEVELOPMENT OF INDIVIDUALIZED ASSESSMENTS AND CASE PLANS. Required Previous or Concurrent: HURES-2103 or Departmental Approval

HURES-H3203 Honors-Vocational Testing and Evaluation 3 Credits
A STUDY OF THE VOCATIONAL TESTING AND EVALUATION PRINCIPLES AND PROCEDURES USED IN VARIOUS HELPING SERVICES. INSTRUCTION AND PRACTICE IN THE ADMINISTRATION, SCORING, AND INTERPRETATION OF INSTRUMENTS USED IN THE ASSESSMENT OF INTELLIGENCE, APTITUDE, INTEREST, AND PERSONALITY.

HURES-H3763 Honors-Group Processes and Practice 3 Credits
A STUDY OF THE NATURE AND PURPOSE OF VARIOUS TYPES OF GROUPS, TECHNIQUES OF GROUP FACILITATION AND DIRECTION, AND THE ROLES OF PARTICIPANT AND LEADER IN VARIOUS PRACTICE SETTINGS. INCLUDE EXPERIENTIAL COMPONENTS DESIGNED TO EXPOSE STUDENTS TO GROUP PROCESS. Required Previous: HURES-2103

HURES-H4443 Honors-Counseling Services 3 Credits
THIS COURSE IS THE APPLICATION OF COUNSELING KNOWLEDGE AND TECHNIQUES TO VARIOUS CLIENT GROUPS AND SPECIALIZED SETTINGS. Required Previous: HURES-2183

HURES-H4453 Honors-Intervention Techniques 3 Credits
THIS COURSE PROVIDES THE KNOWLEDGE OF CRISIS INTERVENTION AS A TREATMENT MODALITY INCLUDING ITS HISTORY, THEORETICAL BASE, AND APPLICATION OF TECHNIQUES IN CRISIS SITUATIONS. Required Previous: HURES-2183

HURES-H4763 Honors-Interpreting I 3 Credits
A SURVEY OF THE BASIC THEORIES, GUIDELINES, PRINCIPLES AND PRACTICES OF INTERPRETING, INCLUDING THE INTERPRETER CODE OF ETHICS AND ROLE OF THE INTERPRETER. TECHNIQUES OF INTERPRETING IN VOCATIONAL REHABILITATION, MENTAL HEALTH, SOCIAL SERVICES, EDUCATIONAL, MEDICAL, AND LEGAL SITUATIONS WILL BE DISCUSSED IN TERMS OF RESPONSIBILITIES OF THE INTERPRETER, THE PHYSICAL SETTING, VOCABULARY, ETHICS AND RELATED TOPICS. ROLE PLAYING AND SIMULATED INTERPRETING EXPERIENCES WILL BE INCLUDED IN THE COURSE. Required Previous: ASLHR-3063

HURES-H4932 Honors-Human Resources Practicum 2 Credits
THIS COURSE PROVIDES STRUCTURED EXPERIENCES IN THE MAJOR COMPETENCY AREAS NECESSARY FOR EFFECTIVE HELPING SERVICES. SUPERVISION IS PROVIDED FOR THE INTEGRATION AND APPLICATION OF KNOWLEDGE AND SKILLS WHICH ARE COMPATIBLE WITH CAREER GOALS.

HURES-H4943 Internship-Human Services Counseling **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-H4983 Honors-Seminar in Human Resources (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-H4992 Honors-Individual Study in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-L4943 Internship-Law Enforcement **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

HURES-S4981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

HURES-S5981 Seminar in Human Resources (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-S5982 Seminar in Human Resources (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

HURES-T4943 Internship-Cleet **3 Credits**
EACH STUDENT IS REQUIRED TO COMPLETE A TOTAL OF TWELVE HOURS (USUALLY ONE SEMESTER) OF FIELD TRAINING CONSISTING OF FULL-TIME WORK IN AN APPROVED SETTING. UNDER SPECIAL CIRCUMSTANCES, ALTERNATIVE ARRANGEMENTS MAY BE APPROVED.

(IDS)

IDS-3113 Interdisciplinary Studies **3 Credits**
AN INTRODUCTION TO THE THEORY AND PRACTICE OF INTERDISCIPLINARY STUDY AND ADULT LEARNING THEORY, WITH EMPHASIS ON THE STUDENT'S ACADEMIC AND CAREER GOALS.

IDS-3123 Professional Field Experience I **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE STUDENT'S ACADEMIC AND/OR CAREER GOAL AREA AND WILL PROVIDE THE STUDENT WITH A PRACTICAL LEARNING EXPERIENCE. THE COURSE MAY INCLUDE AN INTERNSHIP OR PRACTICUM, OR AN INDEPENDENT LEARNING PROJECT WHICH ENCOMPASSES WORK PROJECTS OR LEARNING OUTSIDE THE STUDENT'S CURRENT WORK ASSIGNMENT. Required Previous: IDS-3113 or Departmental Approval

IDS-4123 Professional Field Experience II **3 Credits**
ADVANCED STUDY IN THE STUDENT'S ACADEMIC AND/OR CAREER GOAL AREA PROVIDING THE STUDENT WITH A PRACTICAL LEARNING EXPERIENCE. THIS COURSE MAY INCLUDE AN INTERNSHIP OR PRACTICUM OR AN INDEPENDENT LEARNING PROJECT WHICH ENCOMPASSES WORK PROJECTS OR LEARNING OUTSIDE THE STUDENT'S CURRENT WORK ASSIGNMENT. Required Previous: IDS-3123 or Departmental Approval

IDS-4723 Senior Project **3 Credits**
THE CAPSTONE COURSE FOR THE INTERDISCIPLINARY STUDIES PROGRAM. THE STUDENT WILL COMPLETE AN INTERDISCIPLINARY PROJECT INTEGRATING THEIR COURSEWORK AND PROFESSIONAL FIELD EXPERIENCE WITH THEIR PROFESSIONAL AND/OR OCCUPATIONAL INTERESTS. Required Previous: IDS-4123 or Departmental Approval

(ITM)

ITM-3423 Web Development **3 Credits**
THIS COURSE COVERS A WIDE ARRAY OF PROGRAMMING CONCEPTS USING CURRENT SOFTWARE DEVELOPMENT TOOLS, INCLUDING DATA STRUCTURES, RESOURCE MANAGEMENT, SECURITY, SOFTWARE DEVELOPMENT, AND WEB DEVELOPMENT. STUDENTS WILL ENGAGE IN A COMMUNITY OF SOFTWARE DEVELOPERS AND PRESENT A FINAL PROJECT TO THEIR PEERS. Required Previous: CMPSC-1113 with a grade of C or higher or departmental approval.

ITM-3473 Data Visualization **3 Credits**
PROVIDES AN UNDERSTANDING OF THE ROLE OF ANALYTICS, VISUALIZATION, DASHBOARDING, AND BUSINESS INTELLIGENCE IN SUPPORT OF MANAGERIAL DECISION MAKING. Required Previous: BSEC-2603 or departmental approval.

ITM-3613 Data Communications and Computer Networks **3 Credits**
DATA COMMUNICATIONS AND TELEPROCESSING SYSTEMS PRINCIPLES ARE EXAMINED IN DETAIL. MAJOR TOPICS INCLUDE HARDWARE, NETWORKS (LANS AND WANS), PROTOCOLS AND ARCHITECTURES, AND THE PLANNING AND MANAGEMENT OF DATA COMMUNICATIONS AND TELEPROCESSING SYSTEMS. THE MATERIAL COVERED IN THIS COURSE WILL INCLUDE MATERIAL TO PREPARE A STUDENT TO SEEK A+ AND NETWORK + CERTIFICATIONS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY.

ITM-3823 Cybersecurity **3 Credits**
THIS COURSE LOOKS AT PHILOSOPHICAL, THEORETICAL, AND APPLIED SCENARIOS AND INFRASTRUCTURES SUPPORTING THE FOUNDATIONS OF CURRENT CYBER SECURITY MEASURES AND SECURITY POLICIES. THIS COURSE WILL LOOK AT COMPLEX LEGAL, REGULATORY, AND POLICY-BASED ISSUES AND THEIR EFFECT ON SOCIAL, GOVERNMENT, AND ECONOMIC IMPLICATIONS. YOU WILL EXPLORE ISSUES AND IMPACTS OF PRIVACY, ECOMMERCE, INFORMATION SECURITY, SOCIAL EQUITY, CRIME, FREE SPEECH, AND TELECOMMUNICATIONS AND HOW THEY RELATE TO THE POLICIES OF CYB

ITM-3843 Cloud Management **3 Credits**
TEACHES STUDENTS TO IMPLEMENT AND MAINTAIN CLOUD TECHNOLOGIES. REVIEWS THE THEORY AND APPLICATION OF CONFIGURATIONS RESIDING IN A PLATFORM UTILIZING CLOUD SOLUTIONS IN A WINDOWS AZURE ENVIRONMENT. STUDENTS WILL LEARN HOW TO MANAGE AZURE RESOURCES; CONFIGURE AND MANAGE STORAGE; CONFIGURE AND MANAGE VIRTUAL MACHINES AND NETWORKS; AND MANAGE IDENTITIES USING TOOLS WITHIN THE AZURE PLATFORM.

ITM-4653 Database Theory and Applications **3 Credits**
DATABASE CONCEPTS AND STRUCTURES. FILE AND DATA MANAGEMENT PRINCIPLES UNDERLYING DATABASE CONSTRUCTION. FUNDAMENTAL TYPES OF DATABASE MODELS WITH EMPHASIS ON RELATIONAL DATABASES AND THE USE OF MICROSOFT SQL SERVER. PRACTICE IN ANALYSIS, DESIGN, DEVELOPMENT, AND OPTIMIZATION OF WORKING DATABASE APPLICATIONS WITH REGARD TO A VARIETY OF PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: CMPSC-1113 or departmental approval.

ITM-4753 Software Development & Team Dynamics **3 Credits**
THIS COURSE ADDRESSES SOFTWARE DEVELOPMENT METHODOLOGIES, TEAM DYNAMICS, AND EFFECTIVE COMMUNICATION AND DOCUMENTATION. STUDENTS WILL UTILIZE KNOWLEDGE AND SKILLS OBTAINED FROM DATABASE THEORY AND APPLICATIONS AND PROGRAMMING COURSES TO WORK WITH A TEAM TO ANALYZE PROBLEMS AND CREATE A SOFTWARE SOLUTION. THIS CAPSTONE COURSE WILL ALSO INCLUDE COLLEGE-TO-CAREER BUSINESS COMMUNICATION. Required Previous: ITM-4653; ITM-4753 must be taken in the last semester; or departmental approval.

ITM-H3823 Honors-Cybersecurity **3 Credits**
THIS COURSE LOOKS AT PHILOSOPHICAL, THEORETICAL, AND APPLIED SCENARIOS AND INFRASTRUCTURES SUPPORTING THE FOUNDATIONS OF CURRENT CYBER SECURITY MEASURES AND SECURITY POLICIES. THIS COURSE WILL LOOK AT COMPLEX LEGAL, REGULATORY, AND POLICY-BASED ISSUES AND THEIR EFFECT ON SOCIAL, GOVERNMENT, AND ECONOMIC IMPLICATIONS. YOU WILL EXPLORE ISSUES AND IMPACTS OF PRIVACY, ECOMMERCE, INFORMATION SECURITY, SOCIAL EQUITY, CRIME, FREE SPEECH, AND TELECOMMUNICATIONS AND HOW THEY RELATE TO THE POLICIES OF CYB Required Previous: MIS-3433 with a grade of C or higher or departmental approval.

ITM-H4653 Honors-Database Theory and Applications **3 Credits**
DATABASE CONCEPTS AND STRUCTURES. FILE AND DATA MANAGEMENT PRINCIPLES UNDERLYING DATABASE CONSTRUCTION. FUNDAMENTAL TYPES OF DATABASE MODELS WITH EMPHASIS ON RELATIONAL DATABASES AND THE USE OF MICROSOFT SQL SERVER. PRACTICE IN ANALYSIS, DESIGN, DEVELOPMENT, AND OPTIMIZATION OF WORKING DATABASE APPLICATIONS WITH REGARD TO A VARIETY OF PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MIS-3433 with a grade of C or higher or departmental approval.

(KIN)

KIN-1963 Introduction to Kinesiology **3 Credits**
AN ORIENTATION COURSE DESIGNED TO ACQUAINT MAJORS AND MINORS WITH THE ORIGIN, SCOPE, DEVELOPMENT, AND PURPOSE OF THE KINESIOLGOY DISCIPLINE. THE COURSE WILL PROVIDE KNOWLEDGE CONCERNING FUTURE DIRECTIONS AND CAREER POSSIBILITIES.

KIN-2122 Choices in Wellness **2 Credits**
A STUDY OF CONCEPTS FROM THE BIOLOGICAL, SOCIAL, AND BEHAVIORAL SCIENCESAS THEY RELATE TO LIFESTYLE CHOICES OF WELLNESS. EMPHASIS IS ON INTEGRATION OF KNOWLEDGE, ATTITUDES, AND APPROPRIATE PRACTICES RELATED TO SELF-DIRECTED POSITIVE HEALTH BEHAVIORS.

KIN-2131 Intercollegiate Sports **1 Credit**
VARSITY LEVEL COMPETITION OF THE SPORT IN SEASON. MEETS FIVE DAYS AWEEK.Course will be graded P(Pass) or NP(NoPass).

KIN-2183 Basic Nutrition **3 Credits**
PRINCIPLES OF NUTRITION APPLIED TO PERSONAL FOOD CHOICES AND HEALTH.

KIN-2223 Sports Nutrition **3 Credits**
THIS COURSE EXAMINES THE ROLE OF NUTRITION AS IT RELATES TO ATHLETES AND OTHERS INVOLVED IN ACTIVE LIFESTYLES. SPECIFICALLY, NUTRITION IS EXAMINED AS IT RELATES TO ATHLETIC PERFORMANCE, DISEASE PREVENTION/TREATMENT, AND VARIOUS SPORT-SPECIFIC NUTRITIONAL REQUIREMENTS, AND SPECIAL POPULATIONS.

KIN-2273 First Aid **3 Credits**
IMMEDIATE AND TEMPORARY TREATMENT FOR ACCIDENTAL INJURIES, SUDDEN ILLNESS, TRAUMATIC SHOCK AND THERMAL BURNS. MAJOR EMPHASIS IS PLACED ON CPR, ARTIFICIAL RESPIRATION, TRANSPORTING INJURED PERSONS FROM ONE LOCATION TO ANOTHER, IMMOBILIZATION OF SUSPECTED FRACTURES AND POISON CONTROL. ALSO INCLUDED, MENTAL HEALTH CONSIDERATIONS AS RELATED TO SICKNESS, INJURY AND STRESS MANAGEMENT.

KIN-2413 Applied Anatomy **3 Credits**
STUDY OF THE STRUCTURE OF THE HUMAN BODY WITH LIMITED PHYSIOLOGICAL APPLICATIONS FOR EACH ANATOMICAL SYSTEM. SPECIAL EMPHASIS IS PLACED ON THE ANATOMICAL SYSTEMS CONTRIBUTING TO MOVEMENT AND ENERGY PRODUCTION.

KIN-2433 Theory of Coaching **3 Credits**
STUDY OF THE TECHNIQUES OF COACHING MODERN-DAY SPORTS.

KIN-2713 Care and Prevention of Athletic Injuries **3 Credits**
BASIC INSTRUCTION IS GIVEN IN THE CARE, PREVENTION, ASSESSMENT AND MANAGEMENT OF COMMON INJURIES AND ILLNESSES. ADDITIONAL MEDICAL CONCERNS ARE ADDRESSED AS THEY RELATE TO ATHLETIC PARTICIPATION. THIS INCLUDED TOPICS SUCH AS ILLNESS, DISEASE, LEGAL ISSUES, ETC. THIS COURSE SERVES AS AN OVERVIEW AND INTRODUCTION TO BASIC ATHLETIC TRAINING PRINCIPLES.

KIN-3103 Technology in Kinesiology **3 Credits**
A KINESIOLOGY APPROACH TO THE CONCEPTS, TERMS, AND TRENDS IN COMPUTING. HARDWARE AND SOFTWARE USED IN THE FIELD OF KINESIOLOGY WILL BE INTERWOVEN WITH DATABASE, SPREADSHEET, WORD PROCESSING, NETWORK, AND INTERNET SKILLS. THE COURSE EQUIPS STUDENTS TO USE VARIOUS FORMS OF TECHNOLOGY IN THE FIELD OF KINESIOLOGY.

KIN-3233 Adapted Physical Education 3 Credits
A CLASS TO PREPARE PHYSICAL EDUCATION MAJORS IN PLANNING ACTIVITIES AND PHYSICAL EDUCATION PROGRAMS FOR HANDICAPPED STUDENTS. IT INCLUDES CHARACTERISTICS OF DIFFERENT HANDICAPPING CONDITIONS AND SUGGESTIONS FOR CORRECTIVE THERAPY.

KIN-3303 Fundamentals of Sports Administration 3 Credits
INTRODUCTION TO THE CONCEPTS, ASPECTS, AND PHILOSOPHIES OF MANAGING SPORT, FITNESS AND RECREATIONAL ORGANIZATIONS.

KIN-3353 Research and Evaluation in Kinesiology 3 Credits
THIS COURSE IS DESIGNED TO PROVIDE AN UNDERSTANDING IN THE PROCESS OF SELECTION, ADMINISTRATION, AND INTERPRETATION OF ASSESSMENT INSTRUMENTS AS THEY RELATE TO KINESIOLOGY.

KIN-3552 Methods of Elementary Physical Educatn 2 Credits
METHODS AND PROCEDURES FOR TEACHING AGE APPROPRIATE PHYSICAL EDUCATION ACTIVITIES TO ELEMENTARY STUDENTS WITH CONSIDERATION FOR MATURATION AND INDIVIDUAL DIFFERENCES. NOTE-DEGREE CREDIT NOT ALLOWED IN BOTH 3433 AND 3552.

KIN-3563 Health Promotion 3 Credits
BASIC INTRODUCTION TO THE PRINCIPLES OF HEALTH PROMOTION. SPECIFIC TOPICS WILL INCLUDE DISEASE PREVENTION, RISK REDUCTION, WELLNESS, RISK APPRAISAL AND RISK REDUCTION, BEHAVIOR CHANGE THEORIES, PROGRAM PLANNING AND MANAGEMENT, HOLISTIC HEALTH/WELLNESS, AND OTHERS.

KIN-3613 Motor Learning 3 Credits
AN EXPLORATION OF LEARNING THEORY AS IT RELATES TO MOVEMENT SKILLS, THE INTERACTION OF COGNITIVE, AFFECTIVE AND PSYCHOMOTOR LEARNING DOMAINS, THE APPLICATION OF LEARNING THEORIES TO THE SKILLS OF PHYSICAL EDUCATION, RECREATION AND ATHLETICS.

KIN-3623 Community Recreation 3 Credits
A STUDY OF THE ORGANIZATION OF COMMUNITY RECREATION PROGRAMS WITH ANEMPHASIS ON LEADERSHIP, PERSONNEL, FACILITIES, AND FINANCE.

KIN-3723 Biomechanics 3 Credits
SCIENTIFIC STUDY OF HUMAN MOVEMENT, ANALYSIS OF FUNDAMENTAL MOVEMENTS AND THE MECHANICAL PRINCIPLES THAT APPLY TO HUMAN MOTION, APPLICATION TO TEACHING MOVEMENT SKILLS. Required Previous or Concurrent: KIN-3613 or KIN-3612

KIN-3733 Physiology of Exercise 3 Credits
A GENERAL STUDY OF THE BIOENERGETICS OF MUSCULAR WORK, NEUROMUSCULAR STRUCTURE FUNCTION, AND CONTROL, CARDIORESPIRATORY FUNCTION AND CONTROL, PHYSICAL TRAINING, AND NUTRITION AND EXERCISE PERFORMANCE. Required Previous or Concurrent: KIN-3723

KIN-3883 Legal Aspects of Kinesiology 3 Credits
EXPLORES THE LAW AND HOW IT IMPACTS THE FIELD OF KINESIOLOGY. EXAMINATION OF TOPICS INCLUDES THE AMERICAN LEGAL SYSTEM, INDIVIDUAL COURSES OF ACTION, LEGAL ISSUES COMMONLY FOUND WITHIN KINESIOLOGY, UNDERSTANDING THE CONCEPTS OF ETHICS, NEGLIGENCE AND RISK MANAGEMENT STRATEGIES TO REDUCE LEGAL LIABILITY.

KIN-4153 Organization and Administration 3 Credits
AN OVERVIEW TO PREPARE THE STUDENT FOR THE ROLES AND RESPONSIBILITIES OF ADMINISTRATION INCLUDING BASIC MANAGEMENT PRINCIPLES, PERSONNEL, AND BUDGET.

KIN-4223 Strength and Conditioning 3 Credits
STUDENTS WILL LEARN PRINCIPLES OF DESIGNING AND IMPLEMENTING STRENGTH AND CONDITIONING PROGRAMS FOR CLIENTS RANGING FROM THE PHYSICALLY ACTIVE TO THE COMPETITIVE ATHLETE. STUDENTS WILL GAIN KNOWLEDGE, EXPERTISE AND SPECIFIC TECHNIQUES CHARACTERISTIC OF SAFE AND EFFECTIVE STRENGHT AND CONDITIONING PROGRAMS. EMPHASIS WILL BE PLACED ON PROGRAMMING NEEDS OF INDIVIDUALS ACROSS GENDER, AGE, AND PHYSICAL FITNESS STATUS.

KIN-4253 Management of Tournaments and Competitive Sports Events 3 Credits
A COMPREHENSIVE STUDY OF THE ORGANIZATION OF TOURNAMENTS AND MEETS.THIS COURSE OFFERS THE OPPORTUNITY TO BECOME INVOLVED IN THE DIRECT ORGANIZATION AND COMMUNICATION WITH HIGH SCHOOLS CONDUCTING PROGRAMS GERMANE TO THIS PHASE OF PUBLIC SCHOOL EDUCATION.

KIN-4284 Practicum 4 Credits
A STRUCTURED PRACTICAL EXPERIENCE IN EXERCISE SCIENCE, RECREATION, OR ATHLETIC TRAINING. THE ASSIGNMENT WILL BE UNDER THE SUPERVISION OF A KINESIOLOGY DEPARTMENT FACULTY MEMBER.

KIN-4543 Advanced Theory of Coaching 3 Credits
AN INTENSIVE STUDY OF MODERN TECHNIQUES OF COACHING.

KIN-4593 Psychology of Sports 3 Credits
THIS COURSE EXAMINES PSYCHOLOGICAL THEORIES AND RESEARCH RELATED TO SPORT AND EXERCISE BEHAVIOR. THE COURSE IS DESIGNED TO INTRODUCE STUDENTS TO THE FIELD OF SPORT AND EXERCISE PSYCHOLOGY BY PROVIDING A BROAD OVERVIEW OF THE MAJOR TOPICS IN THE AREA.

KIN-4623 Exerercise Testing and Prescription 3 Credits
THIS COURSE REVIEWS THE ESTABLISHED LINK BETWEEN FITNESS AND HEALTH. SKILLS AND CONCEPTS ARE TAUGHT THAT ENABLE THE LEARNER TO CHOOSE AND PERFORM APPROPRIATE PHYSICAL ASSESSMENTS FOR THE FOUR PRIMARY AREAS OF FITNESS AND PRESCRIBE APPROPRIATE EXERCISE REGIMENS BASED ON THE RESULTS AND KNOWLEDGE OF THE NEEDS OF VARIOUS POPULATIONS. Required Previous or Concurrent: KIN-3733

KIN-4981 Seminar in Kinesiology 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4982 Seminar in Kinesiology **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4983 Seminar in Kinesiology **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4984 Seminar in Kinesiology **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4991 Individual Study in Kinesiology **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4992 Individual Study in Kinesiology **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4993 Individual Study in Kinesiology **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-4994 Individual Study in Kinesiology **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

KIN-5303 Sports Administration **3 Credits**
INTRODUCTION TO THE CONCEPTS, ASPECTS, AND PHILOSOPHIES OF MANAGING SPORT, FITNESS, AND RECREATIONAL ORGANIZATIONS.

KIN-5313 Sport Facility Management **3 Credits**
PLANNING, DESIGN, MANAGEMENT AND UPKEEP OF FACILITIES SUCH AS GYMNASIUMS, FIELDS, COURTS, AND AQUATIC CENTERS.

KIN-5323 Legal Aspects of Sport **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EACH STUDENT IN SPORTS ADMINISTRATION AN INTRODUCTION TO LEGAL IMPLICATIONS AND AN UNDERSTANDING OF HOW LEGAL CONCEPTS IMPACT DECISION MAKING.

KIN-5353 Ethics in Sports Administration **3 Credits**
THIS COURSE WILL PROVIDE THE STUDENT WITH A THEORETICAL BASE AND SYSTEMATIC REASONING TOOLS TO ADDRESS ETHICAL DILEMMAS IN A THOUGHTFUL, REFLECTIVE MANNER. FOCUS WILL BE PLACED ON SPECIFIC ISSUES RELATED TO SPORTS SUCH AS RESPECT, FAIR PLAY, HONESTY, SPROTSMANSHIP, AND RESPONSIBILITY.

KIN-5413 Principles of Sport Finance **3 Credits**
THIS COURSE IS DESIGNED TO EXAMINE FINANCIAL CONCEPTS IN SPORT WITH EMPHASIS ON VARIOUS TYPES OF BUDGETS, COST CONTROL MEASURES, PLANNING AND MONITORING VARIOUS ACCOUNT TYPES, AND CREATING ANNUAL REPORTS.

KIN-5423 Marketing and Event Management **3 Credits**
BASIC CONCEPTS OF MARKETING AND MANAGEMENT OF SPORT AND SPORTING EVENTS AND VENUES, PROMOTION, FACILITY MAINTENANCE, FUND RAISING AND OTHER INCOME SOURCES, LICENSING, JOINT VENTURE AGREEMENTS AND CORPORTATE SPONSORSHIP WILL BE EXAMINED.

KIN-5513 Leadership and Personnel Management **3 Credits**
THIS COURSE EXAMINES ISSUES OF MANAGEMENT AND ORGANIZATIONAL BEHAVIOR WITHIN SPORTS ADMINISTRATION, WITH SPECIFIC REFERENCE TO ISSUES OF STAFFING, MOTIVATION, AND COMMUNICATION. INTRODUCES LEADERSHIP THEORY, AS WELL AS THE TOOLS AND TECHNIQUES FOR ITS PRACTICAL APPLICATIONS, INCLUDING HOW TO MOST EFFECTIVELY APPLY LEADERSHIP THEORY ON A DAILY BASIS WITHIN A SPORTS ORGANIZATION.

KIN-5533 Sports in American Society **3 Credits**
THIS COURSE EXAMINES THE INFLUENCE OF THE SOCIAL CONTEXT ON SPORT, THE INFLUENCE OF SOCIETY ON SPORT, AND HOW SPORT AFFECTS THE SOCIAL WORLD WE LIVE IN. SPECIAL EMPHASIS WILL BE ON HOW SPORT INTERACTS WITH GENDER, RACE/ETHNICITY/CULTURE, SOCIOECONOMIC CLASS, MEDIA RELATIONS, VIOLENCE, DEVIANCE, AND SEXUALITY.

KIN-5613 Practicum in Sports Administration **3 Credits**
MINIMUM OF 100 HOURS OF ON-THE-JOB LEARNING EXPERIENCE, RELATED TO STUDENTS' CAREER INTEREST. THE INTERNSHIP WILL BE SPECIFIED BY THE EMPLOYER/SUPERVISOR WITH CONSENT OF THE INSTRUCTOR AND PROGRAM DIRECTOR. PROVIDES EXPERIENTIAL LEARNING DURING WHICH THE STUDENT WORKS UNDER DIRECT SUPERVISION. THE STUDENT IS IMMERSED IN A VARIETY OF INTENSIVE WORK ASSIGNMENTS, INCLUDING: WEEKLY JOURNALS, WRITTEN REPORTS, AND VARIOUS PRESENTATIONS. THE STUDENT WILL BE EVALUATED BY BOTH THE EMPLOYER/SUPERVISOR AND

KIN-5981 Seminar in Kinesiology **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5982 Seminar in Kinesiology **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5983 Seminar in Kinesiology **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5984 Seminar in Kinesiology **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

KIN-5991 Individual Study in Kinesiology **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-5992 Individual Study in Kinesiology **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-5993 Individual Study in Kinesiology **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-5994 Individual Study in Kinesiology **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

KIN-H3563 Honors-Health Promotion **3 Credits**
BASIC INTRODUCTION TO THE PRINCIPLES OF HEALTH PROMOTION. SPECIFIC TOPICS WILL INCLUDE DISEASE PREVENTION, RISK REDUCTION, WELLNESS, RISK APPRAISAL AND RISK REDUCTION, BEHAVIOR CHANGE THEORIES, PROGRAM PLANNING AND MANAGEMENT, HOLISTIC HEALTH/WELLNESS, AND OTHERS.

KIN-H3613 Honors-Motor Learning **3 Credits**
AN EXPLORATION OF LEARNING THEORY AS IT RELATES TO MOVEMENT SKILLS, THE INTERACTION OF COGNITIVE, AFFECTIVE AND PSYCHOMOTOR LEARNING DOMAINS, THE APPLICATION OF LEARNING THEORIES TO THE SKILLS OF PHYSICAL EDUCATION, RECREATION AND ATHLETICS. Required Previous or Concurrent: KIN-2413

KIN-H3723 Honors-Biomechanics **3 Credits**
SCIENTIFIC STUDY OF HUMAN MOVEMENT, ANALYSIS OF FUNDAMENTAL MOVEMENTS AND THE MECHANICAL PRINCIPLES THAT APPLY TO HUMAN MOTION, APPLICATION TOTEACHING MOVEMENT SKILLS. Required Previous or Concurrent: KIN-3613 or KIN-3612

KIN-H3733 Honors-Physiology of Exercise **3 Credits**
A GENERAL STUDY OF THE BIOENERGETICS OF MUSCULAR WORK, NEUROMUSCULAR STRUCTURE FUNCTION, AND CONTROL, CARDIORESPIRATORY FUNCTION AND CONTROL, PHYSICAL TRAINING, AND NUTRITION AND EXERCISE PERFORMANCE. Required Previous or Concurrent: KIN-3723

KIN-H4153 Honors-Organization and Admin **3 Credits**
AN OVERVIEW TO PREPARE THE STUDENT FOR THE ROLES AND RESPONSIBILITIES OF ADMINISTRATION INCLUDING BASIC MANAGEMENT PRINCIPLES, PERSONNEL, AND BUDGET.

KIN-H4284 Honors-Practicum **4 Credits**
A STRUCTURED PRACTICAL EXPERIENCE IN EXERCISE SCIENCE, RECREATION, OR ATHLETIC TRAINING. THE ASSIGNMENT WILL BE UNDER THE SUPERVISION OF A KINESIOLOGY DEPARTMENT FACULTY MEMBER.

KIN-H4623 Honors-Exercise Testing & Prescription **3 Credits**
THIS COURSE REVIEWS THE ESTABLISHED LINK BETWEEN FITNESS AND HEALTH. SKILLS AND CONCEPTS ARE TAUGHT THAT ENABLE THE LEARNER TO CHOOSE AND PERFORM APPROPRIATE PHYSICAL ASSESSMENTS FOR THE FOUR PRIMARY AREAS OF FITNESS AND PRESCRIBE APPROPRIATE EXERCISE REGIMENS BASED ON THE RESULTS AND KNOWLEDGE OF THE NEEDS OF VARIOUS POPULATIONS. Required Previous or Concurrent: KIN-3733

(LATIN)

LATIN-1113 Elementary Latin I **3 Credits**
TRAINING IN THE ESSENTIALS OF LATIN FORMS AND CONSTRUCTION, EASY READING.

LATIN-1223 Elementary Latin II **3 Credits**
CONTINUED STUDY OF GRAMMAR AND COMPOSITION, READING OF STORIES OF MYTHOLOGY AND ROMAN HISTORY.

LATIN-2881 Special Studies in Latin **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-2882 Special Studies in Latin **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-2883 Special Studies in Latin **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-2884 Special Studies in Latin **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4981 Seminar in Latin **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4982 Seminar in Latin **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4983 Seminar in Latin **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LATIN-4984 Seminar in Latin **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(LIBSC)

LIBSC-3003 Foundations of Librarianship **3 Credits**
SURVEY OF THE HISTORY AND CURRENT TRENDS IN LIBRARIES AND MODERN LIBRARIANSHIP, PHILOSOPHY AND ETHICS OF LIBRARY AND INFORMATION SCIENCES.

LIBSC-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-5113 School Library Administration I **3 Credits**
INTRODUCTION TO PRACTICAL PROBLEMS OF SCHOOL LIBRARIES ADDRESSED THROUGH LEADERSHIP SUCH AS SETTING GOALS, ADVOCACY, PROFESSIONAL DEVELOPMENT, PUBLIC RELATIONS, BUDGETING, CREATING AND MANAGING LEARNING ENVIRONMENTS, EQUIPMENT, AND TECHNOLOGY TO IMPROVE THE ROLE OF THE SCHOOL LIBRARY PROGRAM AS WELL AS STUDENT LEARNING.

LIBSC-5123 School Library Administration II **3 Credits**
STUDY OF THE ADMINISTRATION OF SCHOOL LIBRARIES. POLICY MAKING, RELATIONS WITH FACULTY, STUDENTS, PARENTS, ADMINISTRATIVE STAFF, AND COMMUNITY,MANAGEMENT TECHNIQUES.

LIBSC-5133 Materials Selection **3 Credits**
PRINCIPLES AND PRACTICE IN SELECTING DIVERSE PRINT AND NON-PRINT RESOURCES FOR ALL LEVELS AND ABILITIES OF LEARNERS IN SCHOOL LIBRARIES. CREATION, EVALUATION AND SHARING OF PRACTICES, POLICIES AND PROFESSIONAL POSITION STATEMENTS (E.G., LIBRARY BILL OF RIGHTS) THAT GUIDE SELECTION, ACCESS, AND SERVICES LEADING TO A RELEVANT COLLECTION OF INFORMATION RESOURCES, INCLUDING THOSE FOR LEISURE READING AND RESEARCH.

LIBSC-5213 Catalog and Classification **3 Credits**
AN INTRODUCTION TO AUTOMATED CATALOGS AND THE PRINCIPLES AND THEORIES OF CATALOGING AND CLASSIFICATION AS IT APPLIES TO SCHOOL LIBRARY PROGRAMS. AN EMPHASIS ON THE APPLICATION AND USE OF LOC, OCLC, WORLDCAT, SEARS LIST OF SUBJECT HEADINGS, THE DDC, AND OTHER RESOURCES TO CREATE ACCURATE AND CONSISTENT LIBRARY RECORDS THAT IMPACT ACCESS OF THE COLLECTION FOR PK-12 LEARNERS. SHELVING AND LABELING PRACTICES WILL BE PRESENTED AS IT PERTAINS TO ALA/AASL POSITION STATEMENTS, STATE GUIDELINES, AND BEST

LIBSC-5233 Information Resources **3 Credits**
SELECTION AND EVALUATION OF INFORMATION RESOURCES TO DEVELOP, CURATE, AND ORGANIZE A COLLECTION. FOCUS ON THE USE OF INSTRUCTIONAL STRATEGIES, INFORMATION NEEDS, AND THE DEVELOPMENT OF INFORMATION SKILLS IN THE P-12 ENVIRONMENT.

LIBSC-5353 Literacy in the School Library **3 Credits**
PRINCIPLES OF PRINT, INFORMATION, AND MEDIA LITERACY WILL BE ADDRESSED WITH AN INCLUSION OF MOTIVATIONAL STRATEGIES, ETHICAL USE OF INFORMATION, AND EVALUATION OF SOURCES TO ADDRESS NATIONAL SCHOOL LIBRARY STANDARDS. STUDENTS WILL MAKE USE OF RESEARCH DATA AND MODEL STRATEGIES IN USING INFORMATION TO CREATE INSTRUCTIONAL LEARNING EXPERIENCES FOR P-12 LEARNERS.

LIBSC-5373 Media Production and Planning **3 Credits**
DESIGN AND PRODUCTION OF MATERIALS INCLUDING VIDEO, MULTIMEDIA PRODUCTION AND WEB PAGE DESIGN. STUDY OF PRINCIPLES OF VISUAL DESIGN AS IT RELATES TO PRODUCTION OF MATERIALS. LIBRARY UTILIZATION OF MATERIALS FOR INDIVIDUALIZED OR SMALL GROUP INSTRUCTION, TRAINING OF VOLUNTEERS AND PUBLIC RELATIONS.

LIBSC-5383 The Library and the Special Student **3 Credits**
TECHNIQUES OF ANALYZING STUDENT BODY COMPOSITION FOR SPECIAL GROUPS, RATIONALE FOR FOCUS ON SPECIAL GROUPS, CHARACTERISTICS, NEEDS, ATTITUDES OF AND TOWARDS SPECIAL GROUPS. LIBRARY SERVICES, PROGRAMS, AND MATERIALS RELEVANT TO SPECIAL STUDENTS, INCLUDING GIFTED AND TALENTED, MINORITY, PHYSICALLY-DISABLED, LEARNING-DISABLED, AND EMOTIONALLY-DISTURBED. AVOIDANCE OF STEREOTYPING IN LIBRARY MATERIALS AND BIBLIOGRAPHIC TOOLS.

LIBSC-5923 Young Adult Literature **3 Credits**
EXAMINATION OF CURRENT ISSUES IN YOUNG ADULT LITERATURE INCLUDING THE READING HABITS OF TEEN READERS, CREATION OF ENGAGING PHYSICAL AND VIRTUAL ACTIVITIES TO MOTIVATE AND ENCOURAGE SOCIAL INTERACTION AND READING FOR PLEASURE, AND EXPOSURE TO A WIDE VARIETY (I.E., GENRES, FORMATS) OF YOUNG ADULT LITERATURE.

LIBSC-5952 Practicum and Capstone in Library Media **2 Credits**
SUPERVISED PRACTICUM AND CAPSTONE EXPERIENCE IN AN APPROVED SCHOOL LIBRARY LEARNING ENVIRONMENT. THE CAPSTONE IS A SELF-SELECTED, RESEARCH SUPPORTED PROJECT ALIGNED TO PROGRAM STANDARDS AND IMPLEMENTED WITH INSTRUCTOR APPROVAL DURING THE COURSE TERM. CANDIDATES WILL COMPLETE A VARIETY OF ACTIVITIES THAT ADDRESS THE LIBRARY PROGRAM INCLUDING READING ADVISORY AND MOTIVATION, PROGRAM PROMOTION, INSTRUCTION, ACCESS, COLLECTION DEVELOPMENT POLICIES, FIDUCIARY RESPONSIBILITY, AND PROFESSIONAL DEVELOPM

LIBSC-5963 Library Technology **3 Credits**
IMPACT OF TECHNOLOGY ON LIBRARY MATERIALS AND PROCESSES. PLANNING, IMPLEMENTING, MAINTAINING, AND EVALUATING AUTOMATED LIBRARY SYSTEMS. USE OF AUTOMATION, INCLUDING CATALOGING NETWORKS AND COMPUTERIZED INFORMATION RETRIEVAL.

LIBSC-5973 Curriculum and the School Library **3 Credits**
THE SCHOOL LIBRARIAN'S ROLE AND RESPONSIBILITY IN SUPPORTING TEACHERS AND GUIDING STUDENTS BY TEACHING, COLLABORATING, AND DESIGNING DEVELOPMENTALLY AND CULTURALLY RESPONSIVE RESOURCE-BASED LEARNING EXPERIENCES THAT INTEGRATE THE NATIONAL SCHOOL LIBRARY STANDARDS' SHARED FOUNDATIONS. DEVELOPMENT OF INSTRUCTION THAT INCLUDES A VARIETY OF STRATEGIES IN BOTH PHYSICAL AND VIRTUAL LEARNING ENVIRONMENTS THAT ADDRESSES MULTIPLE INTELLECTUAL AND PHYSICAL ABILITIES OF LEARNERS.

LIBSC-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

LIBSC-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

LIBSC-S4981 Seminar in Library Science (subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LIBSC-S5981 Seminar in Library Science (subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(LS)

LS-3223 Legal Research and Writing I **3 Credits**
INTRODUCTION TO LEGAL RESEARCH, WRITING, RESEARCH STRATEGIES, CASE BRIEFS, VOCABULARY, UNIFORM SYSTEM OF CITATION, DIGESTS, STATUTES, AND REPORTS, SHEPARDS, ANNOTATED LAW REPORTS, ENCYCLOPEDIAS AND COMPUTER DATABASES. Required Previous: Take LSPS-2153 or departmental approval

LS-3233 Legal Research and Writing II **3 Credits**
CONTINUATION OF LS 3223. ADVANCED LEGAL RESEARCH, COURT RULES, RESTATEMENTS, ADMINISTRATIVE DECISIONS, DRAFTING OPERATIVE LEGAL DOCUMENTS, MEMORANDA OF LAW TO THE TRIAL COURT, APPELLATE BRIEFS, TREATISES, FORM BOOKS, PERIODICALS. Required Previous: Take LS-3223 or departmental approval

LS-3243 Native American Legal Clinic **3 Credits**
PRACTICAL EXPERIENCE IN SKILLS SUCH AS CLIENT INTAKE, CASE MANAGEMENT, LEGAL RESEARCH, AND DOCUMENT DRAFTING. SPECIAL EMPHASIS IS GIVEN TO LEGAL ISSUES FACING FIRST AMERICAN TRIBAL MEMBERS. MAY BE REPEATED FOR A MAXIMUM OF 6 CREDIT HOURS.

LS-3383 Legal Systems Applications **3 Credits**
A COMPREHENSIVE COURSE COVERING LEGAL OFFICE APPLICATIONS, TERMINOLOGY, ETHICS AND CONFIDENTIALITY, AND HUMAN RELATIONS. Required Previous or Concurrent: Take LSPS-2153

LS-3563 Civil Procedure and Litigation **3 Credits**
TOPICS TO INCLUDE: CLIENT INTERVIEWING, CASE INVESTIGATION, VENUE, JURISDICTION, THE FILING OF PLEADINGS AND MOTIONS, DISCOVERY TECHNIQUES, FILE AND DOCUMENT MANAGEMENT, TRIAL PREPARATION AND ASSISTANCE, AND POST TRIAL PRACTICE. Required Previous: Take LSPS-2153 or departmental approval

LS-4123 Torts **3 Credits**
AN INTRODUCTION AND STUDY OF THE BROAD AREA OF CIVIL WRONGS AND THEIR APPROPRIATE REMEDIES. ANALYSIS OF TORT LAW PRINCIPLES IN THE TRADITIONAL AREAS OF INTENTIONAL TORTS, NEGLIGENCE, ABSOLUTE LIABILITY, PRODUCT LIABILITY, NUISANCE AND COMMONLY EMPLOYED DEFENSES. EMPHASIS IS PLACED ON THE ETHICAL OBLIGATIONS PERTAINING TO THE PRACTICE OF TORT LAW FOR PARALEGALS AND ATTORNEYS. Required Previous: Take LSPS-2153 or departmental approval

LS-4133 Evidence **3 Credits**
A STUDY OF THE FEDERAL AND OKLAHOMA RULES OF EVIDENCE. ANALYSIS OF EVIDENTIARY RULES REGARDING HEARSAY, CHARACTER EVIDENCE, EVIDENCE OF OTHER CRIMES, LAY AND EXPERT TESTIMONY, AND OTHER TYPES OF EVIDENCE IN TRIALS. THE COURSE WILL FOCUS ON THE EVIDENTIARY RULES, THE POLICY REASONS FOR THOSE RULES, AND THEIR APPLICATION AT TRIAL WITH A PROGRESSION THROUGH THE LITIGATION PROCESS, UTILIZING THE RULES OF EVIDENCE. EVIDENTIARY RULES REGULATE THE ADMISSION OF PROOF IN THE TRIAL SETTING, THEREFORE, THE Required Previous: Take LSPS-2153 or departmental approval

LS-4143 Native American Law **3 Credits**
AN INTRODUCTION AND STUDY OF ISSUES RELATED TO NATIVE AMERICANS AND THE LAW. EMPHASIS ON THE ANALYSIS OF SOVEREIGNTY ISSUES, TREATIES, AND NATIVE AMERICAN COURTS.

LS-4173 Contracts **3 Credits**
A PRACTICAL STUDY OF THE BASIC ELEMENTS OF CONTRACTS. THIS COURSE FOCUSES ON FUNDAMENTAL PROBLEMS OF CONTRACT FORMATION, PERFORMANCE, BREACH, AND REMEDIES. Required Previous: LSPS-2153

LS-4183 Real Estate Law **3 Credits**
THE LAW AND HISTORY OF REAL ESTATE TRANSACTIONS AND PROCEDURES. TOPICSTO INCLUDE: INFORMATION GATHERING, TITLE SEARCHES, PREPARATION OF PRE-LIMINARY ABSTRACTS OF TITLE AND TITLE OPINIONS, MORTGAGES, DEEDS, LEASES AND CLOSING PROCEDURES. Required Previous: Take LSPS-2153 or departmental approval

LS-4253 Family Law **3 Credits**
LAW AND PROCEDURE RELATING TO MARRIAGE, CHILDREN, AND PROPERTY. TOPICS TO INCLUDE: INTERVIEWING; PREPARATION OF PLEADINGS FOR DISSOLUTION, SUPPORT, AND DIVISION OF PROPERTY; TRACING ASSETS; DRAFTING SETTLEMENTS; AND OTHER ISSUES. Required Previous: Take LSPS-2153 or departmental approval

LS-4283 Criminal Law **3 Credits**
A STUDY OF THE SOURCE AND DEVELOPMENT OF CRIMINAL LAW, ITS PRACTICAL APPLICATION, INTERPRETATION, AND ENFORCEMENT, AND AN ANALYSIS OF SUPREME COURT DECISIONS TO EMPHASIZE PROBLEMS IN DUE PROCESS. Required Previous: Take LSPS-2153 or departmental approval

LS-4543 Wills, Estates, Trusts and Probate **3 Credits**
ESTATE PLANNING AND FIDUCIARY MANAGEMENT. TOPICS TO INCLUDE: ESTATE PLANS, WILLS, FEDERAL ESTATE TAX, STATE INHERITANCE TAX, FEDERAL AND STATE INCOME TAX, RECORD KEEPING, COURT ACCOUNTINGS, TRUST ADMINISTRATION, AND ASSET INVENTORY. Required Previous: Take LSPS-2153 or departmental approval

LS-4653 Administrative Law **3 Credits**
AN EXAMINATION OF THE LAWS AND PROCEDURES OF GOVERNMENT AGENCIES, INCLUDING AGENCY PURPOSES, RIGHTS OF PRIVATE PARTIES, LEGAL ISSUES, QUASI-JUDICIAL DECISIONS AND APPEALS. Required Previous: Take LSPS-2153 or departmental approval

LS-4863 Legal Ethics **3 Credits**
AN EXAMINATION OF ETHICAL PROBLEMS CONFRONTING PARALEGALS AND THE LEGAL PROFESSION AND AN INTENSE APPLICATION OF SKILLS LEARNED IN THE LEGAL STUDIES MAJOR.

LS-4943 Legal Internship **3 Credits**
PRACTICAL EXPERIENCE GAINED WHILE SERVING IN A LAW OFFICE OR A LEGALLY RELATED CONTEXT UNDER PROFESSIONAL SUPERVISION WITH SPECIAL PROJECTS UNDER THE GUIDANCE OF A FACULTY MEMBER.

LS-4981 Seminar **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-4983 Seminar **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-4984 Seminar **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LS-H4543 Honors-Wills, Estates, Trusts, and Probate **3 Credits**
ESTATE PLANNING AND FIDUCIARY MANAGEMENT. TOPICS TO INCLUDE: ESTATEPLANS, WILLS, FEDERAL ESTATE TAX, STATE INHERITANCE TAX, FEDERAL ANDSTATE INCOME TAX, RECORD KEEPING, COURT ACCOUNTINGS, TRUST ADMINISTRATION, AND ASSET INVENTORY. Required Previous: LSPS-2153 or departmental approval

LS-H4653 Honors-Administrative Law **3 Credits**
AN EXAMINATION OF THE LAWS AND PROCEDURES OF GOVERNMENT AGENCIES, INCLUDING AGENCY PURPOSES, RIGHTS OF PRIVATE PARTIES, LEGAL ISSUES, QUASI-JUDICIAL DECISIONS AND APPEALS. Required Previous: LSPS-2153 or departmental approval

LS-H4863 Hnrs Legal Ethics, Professional Responsibility, and Advanced Litigation **3 Credits**
AN EXAMINATION OF ETHICAL PROBLEMS CONFRONTING PARALEGALS AND THE LEGALPROFESSION AND AN INTENSE APPLICATION OF SKILLS LEARNED IN THE LEGAL STUDIES MAJOR.

LS-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(LSPS)

LSPS-2153 Introduction to Law **3 Credits**
AN EXAMINATION OF THE NATURE OF LAW, THE STRUCTURE AND FUNCTIONS OF THE AMERICAN COURTS AND JUDICIARY, SELECTION OF JUDGES, AND POLITICAL INFLUENCES ON JUDICIAL DECISIONS. Required Previous: Take PS-1113 or departmental approval

LSPS-3113 Constitutional Law: Issues of National Power **3 Credits**
A STUDY OF THE POWERS OF THE FEDERAL COURTS, THE CONGRESS, THE PRESIDENT, AND THE DISTRIBUTION OF AUTHORITY BETWEEN THE NATIONAL AND STATE GOVERNMENTS, CONTRACTS, THE COMMERCE AND TAX POWERS, AS THESE RELATE TO GOVERNMENT REGULATION OF THE NATIONAL ECONOMY, AND THE 14TH AMENDMENT.

LSPS-3133 Civil Rights and Liberties **3 Credits**
THIS COURSE EXAMINES MAJOR SUPREME COURT DECISIONS INCLUDING HOW THE DUE PROCESS CLAUSE HAS BEEN APPLIED IN THE IN THE CRIMINAL JUSTICE SYSTEM AS WELL AS HOW THE EQUAL PROTECTION CLAUSE OF THE 14TH AMENDMENT HAS BEEN USED TO PROTECT PEOPLE ON THE BASIS OF RACE, SEX, SEXUAL ORIENTATION, AND GENDER IDENTITY. PRIVACY LAW, GUN RIGHTS, AND VOTING RIGHTS ARE ALSO EXAMINED.

LSPS-3143 First Amendment Law **3 Credits**
STUDIES THE SUPREME COURT'S INTERPRETATION OF THE FIRST AMENDMENT, WITHAN EMPHASIS ON ITS RELIGION AND SPEECH CLAUSES. THE POLITICAL, HISTORICAL, AND THEORETICAL BACKGROUND OF THE CASES IS ALSO CONSIDERED.

LSPS-4113 International Law **3 Credits**
THIS COURSE EXPLORES THE ROLE OF INTERNATIONAL LAW IN THE RELATIONS OF STATES, INTERGOVERNMENTAL ORGANIZATIONS, NATURE, DEVELOPMENT, THEORY, SOURCES OF LAW, INTERNATIONAL PERSONALITY, JURISDICTION, INCLUDING TERRITORY AND NATIONALITY, DISPUTE SETTLEMENT. Required Previous: Take LSPS-2153

LSPS-4883 Jurisprudence **3 Credits**
JURISPRUDENCE IS THE PHILOSOPHY OF LAW. THIS COURSE EXAMINES THE LEADING SCHOOOLS OF THOUGHT THAT INFLUENCE LEGAL THINKING AND DECISION MAKING, INCLUDING NATURAL LAW, POSITIVISM, LEGAL REALISM, AND OTHERS. Required Previous: Take LSPS-2153

LSPS-4981 Seminar in Law **1 Credit**
DIRECTED GROUP STUDY ON SPEICAL SUBJECT OR PROBLEM.

LSPS-4982 Seminar in Law **2 Credits**
DIRECTED GROUP STUDY OF SPECIAL SUBJECT OR PROBLEM.

LSPS-4983 Seminar in Law **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LSPS-4984 Seminar in Law **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

LSPS-H2153 Honors-Introduction to Law **3 Credits**
AN EXAMINATION OF THE NATURE OF LAW, THE STRUCTURE AND FUNCTIONS OF THEAMERICAN COURTS AND JUDICIARY, SELECTION OF JUDGES, AND POLITICAL INFLUENCES ON JUDICIAL DECISIONS. Required Previous: Take PS-1113 or departmental approval

LSPS-H4983 Honors-Seminar in Law **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(MATH)

MATH-0113 Beginning Algebra **3 Credits**
REVIEW OF ELEMENTARY ALGEBRA THROUGH INTRODUCTION TO QUADRATIC EQUATIONS. THIS COURSE DOES NOT COUNT FOR DEGREE CREDIT AND DOES NOT SATISFY THE GENERAL EDUCATION REQUIREMENT IN MATHEMATICS. GRADING IS P OR F.

MATH-0221 Supplemental Probability and Statistics **1 Credit**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE AN INTRODUCTION TO PROBABILITY AND STATISTIC COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN INTRODUCTION TO PROBABILITY AND STATISTICS. THESE CONCEPTS INCLUDE DATA ANALYSIS, ELEMENTARY AND GENERAL PROBABILITY SPACES TREATED FROM AN INTUITIVE POINT OF VIEW, COMMON FREQUENCY DISTRIBUTIONS, AND STATISTICAL INFERENCE.

MATH-0411 Supplemental Survey of Mathematics **1 Credit**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE A SURVEY OF MATHEMATICS COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN SURVEY OF MATHEMATICS. TOPICS WILL BE SELECTED FROM LOGIC, ALGEBRA, ANALYSIS, GEOMETRY, TOPOLOGY, PROBABILITY, STATISTICS, AND MATHEMATICS OF FINANCE. Required Previous: Students with ACT of 19 or above may not enroll.

MATH-0512 College Algebra Supplemental **2 Credits**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE A COLLEGE ALGEBRA COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN COLLEGE ALGEBRA. THESE CONCEPTS INCLUDE RATIONAL ARITHMETIC, FACTORING POLYNOMIALS, GRAPHING FUNCTIONS, ALGEBRAIC RULES, AND NOTATION. Required Previous: Students with ACT of 19 of above may not enroll.

MATH-0612 Supplemental Functions and Modeling **2 Credits**
THIS COURSE IS DESIGNED TO BE TAKEN ALONGSIDE A FUNCTIONS AND MODELING COURSE. IT REVIEWS OR INTRODUCES KEY CONCEPTS AND SKILLS STUDENTS NEED TO SUCCEED IN FUNCTIONS AND MODELING. THESE CONCEPTS INCLUDE STUDY OF EQUATIONS AND FUNCTIONS (LINEAR, POLYNOMIAL, RATIONAL, EXPONENTIAL, LOGARITHMIC) FROM VARIOUS PERSPECTIVES (SYMBOLIC, VERBAL, NUMERICAL, GRAPHICAL), DIGITAL TECHNIQUES FOR GRAPHING FUNCTIONS, SOLVING EQUATIONS, AND MODELING DATA USING REGRESSIONS. Required Previous: Students with ACT 19 or above may not enroll.

MATH-1223 Introduction to Probability and Statistics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0214, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0221.

MATH-1413 Survey of Mathematics **3 Credits**
AN INTRODUCTION TO VARIOUS TOPICS IN MATHEMATICS DESIGNED TO CONVEY A GENERAL KNOWLEDGE AND APPRECIATION OF MATHEMATICS. TOPICS WILL BE SELECTED FROM LOGIC, ALGEBRA, ANALYSIS, GEOMETRY, TOPOLOGY, PROBABILITY, STATISTICS, AND MATHEMATICS OF FINANCE. Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0203, OR have completed Math-0124, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0411.

MATH-1513 College Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0124, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0512.

MATH-1613 Functions and Modeling **3 Credits**
STUDY OF EQUATIONS AND FUNCTIONS (LINEAR, POLYNOMIAL, RATIONAL, EXPONENTIAL, LOGARITHMIC) FROM VARIOUS PERSPECTIVES (SYMBOLIC, VERBAL, NUMERICAL, GRAPHICAL), DIGITAL TECHNIQUES FOR GRAPHING FUNCTIONS, SOLVING EQUATIONS, AND MODELING DATA USING REGRESSIONS. THIS COURSE IS DESIGNED FOR STUDENTS IN AGRICULTURAL, BUSINESS, LIFE/HEALTH SCIENCE, OR SOCIAL SCIENCE MAJORS. Required Previous: Must have an ACT Math subject score of 19, OR have a SAT Math subject score of 510, OR have completed Math-0124, OR have tested out of a math deficiency in Accuplacer, OR have an ACT Math subject score of 16 or higher AND enroll in Math-0612.

MATH-1653 Mathematics for Biological Science **3 Credits**
SELECTED TOPICS FROM ALGEBRA, TRIGONOMETRY, ANALYTICAL GEOMETRY, PROBABILITY, AND OTHER TOPICS APPLICABLE TO THE STUDY OF BIOLOGY. OPEN ONLY TO MEDICAL TECHNOLOGY MAJORS AND BIOLOGY MAJORS AND MINORS. DEGREE CREDIT NOT ALLOWED IN BOTH MATH 1513 & 1653, NOR IN BOTH MATH 1614 & 1653. THIS COURSE DOES NOT SATISFY THE GENERAL EDUCATION REQUIREMENT FOR TEACHER CERTIFICATION. Required Previous: Must have an ACT Math subject score of 19 or have a SAT Math subject score of 510 or have completed Math-0214 or have tested out of a math deficiency in Accuplacer.

MATH-1713 Trigonometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous or Concurrent: Take MATH-1513 MATH-1613 or MATH-1653.

MATH-2332 Medical Mathematics **2 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE, NON-ROUTINE, AND REAL-WORLD PROBLEMS. THE CONTENT OF THIS COURSE IS DESIGNED TO STRENGTHEN THE FOUNDATIONAL SKILLSET NEEDED FOR DOSAGE AND OTHER CALCULATIONS IN THE NURSING FIELD AND FURTHER STUDENTS' UNDERSTANDING OF DOSAGE FROM AN ALGEBRAIC STANDPOINT. CAREFUL TREATMENT IS GIVEN TO RATIOS WITH A STRONG FOCUS ON RELATIONSHIPS ACROSS RATIONA

MATH-2613 Calculus for Business, Life and Social Sciences **3 Credits**
INFORMAL STUDY OF DIFFERENTIATION AND INTEGRATION OF POLYNOMIAL, EXPONENTIAL AND LOGARITHMIC FUNCTIONS WITH APPLICATIONS TO BUSINESS, LIFE AND SOCIAL SCIENCES. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH MATH 2613 & 2825) Required Previous: Take MATH-1513 MATH-1613 or MATH-1653.

MATH-2713 Mathematical Concepts I **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: DEMONSTRATE AND EXPLAIN ARITHMETIC OPERATIONS USING STANDARD AND NON-STANDARD ALGORITHMS WITH VARIOUS MODELS, INTERPRETATIONS, MANIPULATIVES, AND REPRESENTATIONS FOR WHOLE NUMBERS AND INTEGERS.; UTILIZE MENTAL MATH, ESTIMATION, SET THEORY, OTHER BASE NUMERATION SYSTEMS, FACTORING, AND DIVISIBILITY TO SOLVE PRO Required Previous: Must have an ACT Math subject score of 19 or have a SAT Math subject score of 510 or have completed Math-0124 or have tested out of a math deficiency in Accuplacer.

MATH-2723 Mathematical Concepts II **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: USE APPROPRIATE TERMINOLOGY AND NOTATION OF GEOMETRY; CLASSIFY, ANALYZE, AND CATEGORIZE SHAPES IN TWO AND THREE DIMENSIONS; DEFINE AND APPLY UNITS OF MEASURE, INCLUDING THE CREATION AND USE OF NONSTANDARD UNITS; APPLY AND CONSTRUCT ALGEBRAIC FORMULAS RELATING LINEAR MEASUREMENTS OF GEOMETRIC SHAPES TO THE TWO Required Previous or Concurrent: Take MATH-2713

MATH-2733 Mathematical Concepts III **3 Credits**
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: USE RATIOS, PROPORTIONS, DRAWINGS, AND/OR MANIPULATIVES TO REPRESENT, EXPLAIN, AND SOLVE PROBLEMS INCORPORATING FRACTIONS, DECIMALS, AND PERCENTAGES; DEMONSTRATE AND DISTINGUISH BETWEEN STANDARD AND NONSTANDARD ALGORITHMS, INTERPRETATIONS, AND REPRESENTATIONS OF RATIONAL AND REAL NUMBERS; IDENTIFY AND APPLY TH Required Previous or Concurrent: Take MATH-2713.

MATH-2825 Calculus and Analytic Geometry I **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-1713.

MATH-2881 SPSTU- **1 Credit**
DIRECTED STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-2882 SPSTU- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-3025 Calculus and Analytic Geometry II **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Math-2825 or departmental approval.

MATH-3033 Calculus and Analytic Geometry III **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3025 or departmental approval.

MATH-3093 Introduction to Theorem Proving and Number Theory **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Math-3025 or departmental approval.

MATH-3213 College Geometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3025 and MATH-3093.

MATH-3263 Methods of Teaching Jr High Mathematics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-2825 and MATH-2733.

MATH-3513 Mathematical Statistics **3 Credits**
A STUDY OF ADVANCED PROBABILITY THEORY INCLUDING COUNTING TECHNIQUES, PERMUTATIONS, AND COMBINATIONS, PROPERTIES OF RANDOM VARIABLES WITH EMPHASIS ON DENSITY FUNCTIONS, EXPECTED VALUES, ESTIMATORS, MOMENTS AND MOMENT GENERATING FUNCTIONS, AND DISCRETE AND CONTINUOUS PROBABILTY DISTRIBUTIONS. Required Previous: Math-1223 or departmental approval

MATH-3583 Applied Statistics **3 Credits**
AN ADVANCED COURSE IN APPLIED STATISTICS COVERING THE FOLLOWING TOPICS: SAMPLING DISTRIBUTIONS, SUMMARY MEASURES, INTERVAL ESTIMATION, HYPOTHESIS TESTING, CHI-SQUARE TEST, ANALYSIS OF VARIANCE, LINEAR AND MULTIPLE REGRESSION, CORRELATION ANALYSIS, FORECASTING, TIME SERIES, AND NONPARAMETRIC METHODS. Required Previous: Take MATH-1223 or BSEC-2603.

MATH-3713 Linear Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3025.

MATH-3813 Modern Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3033 and MATH-3093 or departmental approval.

MATH-4113 Differential Equations **3 Credits**
INTRODUCTION TO THE THEORY OF ORDINARY DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF THE FIRST ORDER AND FIRST DEGREE, FIRST ORDER AND HIGHER DEGREE, LINEAR DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF ORDER HIGHER THAN THE FIRST, APPLICATIONS. Required Previous: Take MATH-3025 or departmental approval.

MATH-4133 Real Analysis **3 Credits**
SOME PROPERTIES OF THE REAL NUMBER SYSTEM, FUNCTIONS, SEQUENCES, LIMITS, DIFFERENTIATION, RIEMANN INTEGRALS. Required Previous: Math-3033 or departmental approval

MATH-4223 Introduction to Point Set Topology **3 Credits**
ELEMENTS OF SET THEORY, THE REAL NUMBER SYSTEM, MAPPINGS, METRIC SPACES AND GENERAL TOPOLOGICAL SPACES. Required Previous: Take MATH-3033 and MATH-3093 or departmental approval.

MATH-4313 Introduction to Complex Variables **3 Credits**
A STUDY OF THE COMPLEX NUMBER SYSTEM, FUNCTIONS OF A COMPLEX VARIABLE, DIFFERENTIATION, INTEGRATION, SERIES, RESIDUES AND POLES, CONFORMAL MAPPINGS, AND APPLICATIONS TO THE PHYSICAL SCIENCES. Required Previous: Take MATH-3025.

MATH-4363 Mathematical Modeling **3 Credits**

MATH-4811 History of Mathematics **1 Credit**
THE HISTORICAL DEVELOPMENT OF MATHEMATICAL CONCEPTS AND SYMBOLISM. Required Previous: Take MATH-3025 or departmental approval.

MATH-4922 Methods of Teaching Secondary Mathematics **2 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Math-2825 or departmental approval

MATH-4923 Perspectives in Mathematics **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH Required Previous: Take MATH-3033.

MATH-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MATH-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

MATH-H1223 Honors-Intro to Prob & Stats 3 Credits
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H1513 Honors-College Algebra 3 Credits
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H1713 Honors-Trigonometry 3 Credits
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H2723 Honors-Mathematical Concepts II 3 Credits
THIS COURSE IS DESIGNED TO GIVE EDUCATION MAJORS RICH MATHEMATICAL EXPERIENCES AND OPPORTUNITIES TO DEMONSTRATE CONNECTIONS AND APPLY UNDERSTANDINGS TO THE FOLLOWING MATHEMATICAL CONCEPTS: USE APPROPRIATE TERMINOLOGY AND NOTATION OF GEOMETRY; CLASSIFY, ANALYZE, AND CATEGORIZE SHAPES IN TWO AND THREE DIMENSIONS; DEFINE AND APPLY UNITS OF MEASURE, INCLUDING THE CREATION AND USE OF NONSTANDARD UNITS; APPLY AND CONSTRUCT ALGEBRAIC FORMULAS RELATING LINEAR MEASUREMENTS OF GEOMETRIC SHAPES TO THE TWO Required Previous or Concurrent: Take MATH-2713

MATH-H2825 Honors-Calculus and Analytic Geometry I 5 Credits
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3025 Honors-Calculus and Analytic Geometry II 5 Credits
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3033 Honors-Calculus and Analytic Geometry III **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3213 Honors-College Geometry **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3513 Honors-Mathematical Statistics **3 Credits**
A STUDY OF ADVANCED PROBABILITY THEORY INCLUDING COUNTING TECHNIQUES, PERMUTATIONS, AND COMBINATIONS, PROPERTIES OF RANDOM VARIABLES WITH EMPHASIS ON DENSITY FUNCTIONS, EXPECTED VALUES, ESTIMATORS, MOMENTS AND MOMENT GENERATING FUNCTIONS, AND DISCRETE AND CONTINOUS PROBABILTY DISTRIBUTIONS.

MATH-H3583 Honors-Applied Statistics **3 Credits**
AN ADVANCED COURSE IN APPLIED STATISTICS COVERING THE FOLLOWING TOPICS: SAMPLING DISTRIBUTIONS, SUMMARY MEASURES, INTERVAL ESTIMATION, HYPOTHESES TESTING, CHI-SQUARE TEST, ANALYSIS OF VARIANCE, LINEAR AND MULTIPLE REGRESSION, CORRELATION ANALYSIS, FORECASTING, TIME SERIES, AND NONPARAMETRIC METHODS.

MATH-H3713 Honors-Linear Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H3813 Honors-Modern Algebra **3 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H4113 Honors-Differential Equations **3 Credits**
INTRODUCTION TO THE THEORY OF ORDINARY DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF THE FIRST ORDER AND FIRST DEGREE, FIRST ORDER AND HIGHER DEGREE, LINEAR DIFFERENTIAL EQUATIONS, DIFFERENTIAL EQUATIONS OF ORDER HIGHER THAN THE FIRST, APPLICATIONS.

MATH-H4133 Honors-Intermediate Analysis **3 Credits**
SOME PROPERTIES OF THE REAL NUMBER SYSTEM, FUNCTIONS, SEQUENCES, LIMITS,DIFFERENTIATION, RIEMANN INTEGRALS.

MATH-H4313 Honors-Introduction to Complex Variables **3 Credits**
A STUDY OF THE COMPLEX NUMBER SYSTEM, FUNCTIONS OF A COMPLEX VARIABLE,DIFFERENTIATION, INTEGRATION, SERIES, RESIDUES AND POLES, CONFORMAL MAPPINGS, AND APPLICATIONS TO THE PHYSICAL SCIENCES.

MATH-H4915 Honors-Methods of Teaching Secondary Mathematics **5 Credits**
ACROSS ALL MATHEMATICS COURSES, DEPARTMENT OBJECTIVES FOR CONCLUDING STUDENTS' SKILLSET INCLUDE PROBLEM-SOLVING STRATEGIES AND REASONING SKILLS FOR ROUTINE AND NONROUTINE CONTEXTUAL OR NON-CONTEXTUAL PROBLEMS (ABSTRACT AND REAL-WORLD); COMMUNICATING MATHEMATICAL IDEAS ORALLY AND IN WRITING SUCH AS ANALYZING, REPRESENTING, AND GENERALIZING; CONSTRUCT MATHEMATICAL MODELS AS WELL AS UNDERSTAND THE PROCESS OF MODELING MATHEMATICS; AND COMPETENCY WITH SYMBOLIC MANIPULATION AS WELL AS FLEXIBILITY WITH

MATH-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MATH-S5981 Seminar in Math-Subject Named in Title title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-S5982 Seminar in Math-Subject Named in Title title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MATH-S5983 Seminar in Math-Subject Named in Title title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(MCOM)

MCOM-1211 Introduction to Media Equipment **1 Credit**
THIS COURSE IS DESIGNED TO HAVE STUDENTS BECOME ACQUAINTED WITH AUDIO RECORDING EQUIPMENT, CINEMATOGRAPHY AND PHOTOGRAPHY CAMERA EQUIPMENT, COMPUTER, DIGITAL FILE ORGANIZATION, AND ADOBE CREATIVE SUITE SOFTWARE.

MCOM-1713 Introduction to Photography **3 Credits**
INTRODUCTION TO BASICS OF LIGHTING, CAMERA OPERATION, AND USE OF THE DIGITAL DARKROOM. EMPHASIS ON COMPOSITION, SUBJECT MATTER, AND DEVELOPMENT OF A VISION THROUGH THE LENS OF A CAMERA. STUDENTS CREATE A FINAL THEMATIC PROJECT AS AN INTRODUCTION TO PHOTOJOURNALISM AND CONVERGED MEDIA.

MCOM-1733 Introduction to Mass Media **3 Credits**
A SURVEY OF THE MASS COMMUNICATIONS FIELDS, INCLUDING A HISTORY AND DEVELOPMENT OF NEWSPAPERS, MAGAZINES, WEB-BASED MEDIA, RADIO, AND TELEVISION.

MCOM-1813 Introduction to Video Production **3 Credits**
INTRODUCTION TO CAMERA OPERATION AND EDITING WITH AN EMPHASIS ON THE DEVELOPMENT OF TECHNICAL AESTHETIC SKILLS.

MCOM-2003 Principles of Game Design **3 Credits**
THIS COURSE EXAMINES THE PRINCIPLES OF GAME DESIGN THROUGH EXERCISES AND ASSIGNMENTS GEARED TOWARD CREATING COMPELLING GAMES. STUDENTS WILL LEARN THE GAME DESIGN PROCESS THROUGH A COMPREHENSION OF THE HISTORY OF GAME DESIGN, GAME THEORY, AND PROJECT DEVELOPMENT FROM INITIAL CONCEPT TO PUBLIC LAUNCH. TOPICS INCLUDE BASIC TERMINOLOGY AND BEST PRACTICES IN THE FUNDAMENTALS OF ART, DESIGN, AND PROGRAMMING USING CONTEMPORARY GAME ENGINE SOFTWARE.

MCOM-2733 Writing for Media I **3 Credits**
PRINCIPLES OF WRITING STYLES FOR MASS MEDIA. STUDY INCLUDES WRITING FORMATS IN PRINT, BROADCAST AND INTERNET.

MCOM-2743 Photojournalism **3 Credits**
PHOTOJOURNALISM BRINGS THE WORLDS OF MEDIA WRITING AND MEDIA PRODUCTION TOGETHER. WITH AN EMPHASIS ON WRITING FOR PRINT, ONLINE, AND BROADCAST MEDIA, STUDENTS WILL ENHANCE THEIR WRITING AND PRODUCTION SKILLS THROUGH REPORTING ON CURRENT EVENTS. Required Previous: MCOM-2733

MCOM-2753 Introduction to Audio Production **3 Credits**
PRINCIPLES AND PRACTICES OF CONTEMPORARY AUDIO PRODUCTION.

MCOM-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON A SPECIAL SUBJECT OR PROBLEM.

MCOM-3013 Media Practicum **3 Credits**
STUDENTS HAVE AN OPPORTUNITY TO DEVELOP THEIR SKILLS WITH HANDS-ON AND SERVICE LEARNING EXPERIENCES. STUDENTS WILL PREPARE AND PRESENT THEIR OWN PROGRAMS/PERFORMANCES, REVIEW AND CRITIQUE MEDIA PRODUCTS, AND WORK IN DIFFERENT ASPECTS OF THE INDUSTRY THROUGH STUDENT MEDIA OR LOCAL COMMUNITY ORGANIZATIONS. STUDENTS ARE ENCOURAGED AND ENABLED TO USE THIS COURSE TO NETWORK AND WORK WITH EACH OTHER, EXPANDING THEIR PROFESSIONAL AND PERSONAL SPHERES, WHILE CREATING AND ORGANIZING COLLABORATIVE PRODUCT

MCOM-3023 Audio Engineering I **3 Credits**
STUDENTS WILL EXPLORE THE BASICS OF STUDIO RECORDING, THE PRINCIPLES OF LIVE SOUND REINFORCEMENT, AND DIGITAL AUDIO WORKSTATION RECORDING. THEY WILL IDENTIFY SUCCESSFUL TECHNIQUES AND METHODOLOGIES IN WORKING WITH ADOBE AUDITION AND PRO TOOLS AND EMPLOY THEM IN AUDIO PROCESSING TO CREATE SOUND DESIGNS. Required Previous: MCOM-2753

MCOM-3043 Ar/Vr Production **3 Credits**
THIS COURSE IS DESIGNED TO INTRODUCE FUNDAMENTAL PRACTICES OF IMMERSIVE MEDIA PRODUCTION. STUDENTS ALREADY CAPABLE OF LINEAR VIDEO PRODUCTION OR MOTION GRAPHIC DESIGN WILL EXPAND THEIR SKILLS TO 360 DEGREE AUDIO AND VIDEO CAPTURING, AUTHORING AUGMENTED REALITY EXPERIENCES, AND INTERACTIVE VIRTUAL REALITY PROJECTS.

MCOM-3053 Social Media Management **3 Credits**
THE STUDENT WILL INVESTIGATE THE INDIVIDUAL PIECES OF A SOCIAL MEDIA MARKETING PLAN INCLUDING; SOCIAL MEDIA ANALYSIS, TARGET AUDIENCE, OBJECTIVES, STRATEGIES, AND TACTICS, SOCIAL MEDIA SCHEDULING AND CALENDARS, BUDGETING, EVALUATION, SEARCH ENGINE OPTIMIZATION, AND MEDIA AND WEB ANALYTICS.

MCOM-3063 Emerging Media **3 Credits**
STUDENTS ENGAGE WITH NEW AND EMERGING MEDIA PRACTICES, CONCEPTS, TRENDS, AND TECHNOLOGY. STUDENTS WILL PRODUCE PROJECTS UTILIZING NEW AND EMERGING TECHNOLOGY, ALLOWING THEM TO CREATIVELY EXPRESS IDEAS AND SOLVE PROBLEMS. THE COURSE INTRODUCES STUDENTS TO CURRENT CHANGES OCCURRING IN THE FIELD, AND ALSO PREPARES THEM TO SUCCEED IN A CONSTANTLY SHIFTING MEDIA LANDSCAPE.

MCOM-3113 Event and Project Management **3 Credits**
A STUDY OF THE ESSENTIAL SKILLS AND STRATEGIES TO SUCCESSFULLY PLAN, ORGANIZE, AND EXECUTE EVENTS AND PROJECTS ACROSS VARIOUS INDUSTRIES. THIS COURSE COVERS KEY CONCEPTS SUCH AS BUDGETING, SCHEDULING, RISK MANAGEMENT, TEAM COORDINATION, MARKETING, AND STAKEHOLDER ENGAGEMENT. THROUGH REAL-WORLD CASE STUDIES, HANDS-ON PROJECTS, AND COLLABORATIVE EXERCISES, STUDENTS WILL DEVELOP THE ABILITY TO MANAGE COMPLEX PROJECTS AND EVENTS FROM CONCEPT TO COMPLETION WHILE MEETING DEADLINES, BUDGETS, AND OBJECT

MCOM-3333 Intermediate Photography **3 Credits**
INTRODUCTION TO BASICS OF STUDIO LIGHTING AND INTERMEDIATE CAMERA AND DIGITAL DARKROOM TECHNIQUES. DEVELOP VISUAL STORYTELLING SKILLS AND A THEMATIC LANGUAGE OF THE MEDIUM. STUDENT WILL BE INTRODUCED TO THE PROFESSIONAL MARKET AND TO RESOURCES AVAILABLE FOR PRINT AND THE INTERNET. Required Previous: MCOM-1713

MCOM-3343 Imaging for Media **3 Credits**
INTRODUCTION TO BASIC DESIGN AND LAYOUT CONCEPTS. STUDENTS WILL LEARN HOW TO DESIGN AND LAY OUT PUBLICATIONS, IMAGES, TEXT, AS WELL AS THE BASICS OF WEB DESIGN.

MCOM-3623 Web Design **3 Credits**
INTRODUCTION TO THE BASICS OF WEB DESIGN, INCLUDING PAGE DESIGN, WORKFLOW, AND INTEGRATION OF TEXT, GRAPHICS, AUDIO, AND VIDEO IN WEB PAGE DESIGN.

MCOM-3783 Writing for Media II **3 Credits**
A STUDY OF THE TYPES OF SPECIALIZED STYLES FOR ARTICLES IN NEWSPAPERS, MAGAZINES, AND CORPORATE IN-HOUSE NEWS, ADVERTISING, AND PUBLIC RELATIONS.

MCOM-3823 Advertising **3 Credits**
THIS COURSE COVERS AN INTRODUCTION OF ADVERTISING, TARGET AUDIENCE, THE PLANNING PROCESS, THE CREATIVE PROCESS, ELECTRONIC MEDIA: TELEVISION AND RADIO AND INTEGRATING MARKETING COMMUNICATION ELEMENTS.

MCOM-3843 Advertising Copy & Layout **3 Credits**
PRINCIPLES AND PRACTICES OF WRITING COPY AND LAYOUT DESIGN FOR ADVERTISEMENTS.

MCOM-3853 Media Ethics and Law **3 Credits**
A STUDY OF ETHICS AND LAW IN MASS COMMUNICATION.

MCOM-3863 Radio and Podcast Production **3 Credits**
TECHNIQUES IN NEWS GATHERING, FIELD REPORTING, INTERVIEWING AND STORY PRODUCTION. COURSE WILL FOCUS ON PRESENTATIONAL SKILLS, PRACTICAL PRODUCTION PROBLEMS AND RESPONSIBILITIES, AUDIENCE, ETHICS AND LAW, AND NEWS JUDGMENT FOR ELECTRONIC MEDIA.

MCOM-3873 Intermediate Video Production **3 Credits**
THIS COURSE IS DESIGNED TO EXPAND ON FUNDAMENTAL VIDEO PRODUCTION TECHNIQUES, EXPLORE LIVE VIDEO CAPTURING, AND INTERMEDIATE TO ADVANCED DIGITAL EDITING PROCESSES. STUDENTS PARTICIPATING IN MCOM 3873 WILL DEVELOP THEIR SKILLS WITH SINGLE AND MULTIPLE CAMERA CINEMATOGRAPHY AS WELL AS DIGITAL EDITING. Required Previous: MCOM-1813

MCOM-3893 Public Relations **3 Credits**
THIS COURSE COVERS THE HISTORY, ORIGIN AND BUSINESS OF PR ALONG WITH TACTICS, PUBLICS/DIVERSITY, ETHICS/LEGAL ISSUES, RESEARCH/EVALUATION, CRISIS COMMUNICATION AND OVERALL PROFESSIONAL STRATEGIC COMMUNICATION.

MCOM-4012 Career Preparation **2 Credits**
STUDENTS PURSUE RESEARCH INTO CAREER OPPORTUNITIES FOR ONE HOLDING A DEGREE IN MASS COMMUNICATION. INCLUDES GUEST LECTURERS AND ALUMNI WHO HAVE WORKED IN THE FIELD OR CREATED NEW OPPORTUNITIES USING SKILLS LEARNED.

MCOM-4013 Crisis Communication **3 Credits**
CRISIS COMMUNICATION INVOLVES DISCUSSING/RESEARCHING MAJOR CONCEPTS RELEVANT TO UNDERSTANDING ORGANIZATIONAL CRISES AND DISASTERS, INCLUDING CULTURE, AND SOCIAL MEDIA/TECHNOLOGY. STUDENTS WILL PARTICIPATE IN CRISIS/DISASTER SIMULATED CRISIS SCENARIOS.

MCOM-4023 Audio Engineering II **3 Credits**
STUDENTS WILL UTILIZE ADVANCED STUDIO RECORDING, CONCERT PRODUCTION AND LIVE SOUND REINFORCEMENT, AND ADVANCED SOUND DESIGN AS WELL AS AUDIO INSTALLATION. STUDENTS WILL EXPLORE 5.1 SURROUND SOUND MIXING. Required Previous: MCOM-3023

MCOM-4033 Writing for Media III **3 Credits**
A STUDY OF THE TYPES OF SPECIALIZED WRITING STYLES FOR ARTICLES IN NEWSPAPERS, MAGAZINES, AND CORPORATE IN-HOUSE NEWS, ADVERTISING, AND PUBLIC RELATIONS. Required Previous: Take MCOM-2733

MCOM-4043 Digital Promotions **3 Credits**
DIGITAL PROMOTIONS IS A COURSE THAT EXPLORES STRATEGIES AND TECHNIQUES FOR CREATING EFFECTIVE DIGITAL MARKETING CAMPAIGNS ACROSS VARIOUS ONLINE PLATFORMS. STUDENTS WILL LEARN HOW TO DEVELOP AND EXECUTE PROMOTIONAL STRATEGIES USING SOCIAL MEDIA, EMAIL MARKETING, CONTENT CREATION, SEO, PAID ADVERTISING, AND INFLUENCER PARTNERSHIPS.

MCOM-4123 Short Film Production **3 Credits**
SHORT FILM PRODUCTION IS DESIGNED FOR STUDENTS TO PRODUCE A SHORT FILM WITH THE INTENT OF ENTERING THEIR WORK INTO STATE-LEVEL FILM FESTIVALS. STUDENTS WILL FORM A PRODUCTION TEAM AND WRITE, DIRECT, SHOOT, EDIT, PRODUCE AUDIO, CORRECT IMAGING AND PUBLISH A SHORT FILM IN THE GENRE OF THEIR CHOOSING.

MCOM-4223 Social Media Art Photography **3 Credits**
STUDY OF THE INTERSECTION OF VISUAL STORYTELLING, PHOTOGRAPHY, AND SOCIAL MEDIA PLATFORMS. STUDENTS WILL LEARN HOW TO CREATE STRIKING, ARTISTIC PHOTOGRAPHY WHILE CONSIDERING THE NUANCES OF ONLINE ENGAGEMENT, BRANDING, AND AUDIENCE INTERACTION. THE COURSE COVERS BOTH TECHNICAL PHOTOGRAPHY SKILLS AND STRATEGIES FOR CURATING A SOCIAL MEDIA PRESENCE. THROUGH PRACTICAL ASSIGNMENTS, CRITIQUES, AND CASE STUDIES, STUDENTS WILL GAIN THE SKILLS NECESSARY TO CREATE ARTFUL PHOTOGRAPHY THAT RESONATES WITH DI Required Previous: MCOM-1713

MCOM-4233 Documentary Production **3 Credits**
DEVELOP A DOCUMENTARY FORM FOR THE PURPOSE OF PUBLICATION OR PORTFOLIO.

MCOM-4313 Advanced Video Production **3 Credits**
THIS COURSE IS DESIGNED TO EXPAND ON INTERMEDIATE VIDEO PRODUCTION TECHNIQUES AND EXPLORE ADVANCED DIGITAL EDITING PROCESSES. STUDENTS PARTICIPATING IN MCOM-4313 WILL DEVELOP THEIR SKILLS WITH SINGLE AND MULTIPLE CAMERA CINEMATOGRAPHY AS WELL AS DIGITAL EDITING. Required Previous: Take MCOM-3873

MCOM-4323 Advertising & Public Relations Campaigns- **3 Credits**
PRINCIPLES AND PRACTICES TO INTEGRATE ADVERTISING AND PUBLIC RELATIONS SKILLS TO PRODUCE CAMPAIGNS. EMPHASIS ON CREATING PRINT, BROADCAST, INTERNET AND/OR OTHER MEDIA ELEMENTS FOLLOWED BY FULL CAMPAIGN PREPARATION. MAY BE REPEATED AS TOPIC CHANGES.

MCOM-4611 Senior Portfolio in Mass Communication **1 Credit**
STUDENTS WILL COMPLETE INDIVIDUAL PORTFOLIOS APPROPRIATE TO THEIR CONCENTRATIONS FOR CAREER PREPARATION AND ASSESSMENT PURPOSES.

MCOM-4711 Professional Internship **1 Credit**
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-4712 Professional Internship **2 Credits**
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-4713 Professional Internship **3 Credits**
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-4733 Contemporary Issues in Mass Communication **3 Credits**
A STUDY OF CONTEMPORARY ISSUES IN MASS COMMUNICATIONS.

MCOM-4743 Editing and Design **3 Credits**
PRINCIPLES OF STORY, ADVERTISING OR PUBLIC RELATIONS MATERIAL SELECTION, EDITING AND PLACEMENT, AND OF PAGE, SECTION, EDITION OR BROCHURE DESIGN.

MCOM-4813 Public Relations Writing **3 Credits**
PRINCIPLES AND PRACTICES OF PUBLIC RELATIONS WRITING SUCH AS PRESS RELEASES, MEDIA KITS AND FEATURE STORIES.

MCOM-4863 Television Studio Production **3 Credits**
STUDY OF PRINCIPLES AND PRACTICES OF VIDEO PRODUCTION USING STUDIO EQUIPMENT WITH AN EMPHASIS ON THE DEVELOPMENT OF TECHNICAL AND AESTHETIC SKILLS. Required Previous: MCOM-1813

MCOM-4961 Senior Project in Mass Communication **1 Credit**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4962 Senior Project in Mass Communication **2 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4963 Senior Project in Mass Communication **3 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4964 Senior Project in Mass Communication **4 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN MASS COMMUNICATION. HOURS DETERMINED BY SCOPE OF PROJECT AS APPROVED.

MCOM-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MCOM-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-4992 Individual Studies- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MCOM-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MCOM-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Mass Communication

MCOM-H1713 Hnrs-Introduction to Photography 3 Credits
INTRODUCTION TO BASICS OF LIGHTING, CAMERA OPERATION, AND USE OF THE DIGITAL DARKROOM. EMPHASIS ON COMPOSITION, SUBJECT MATTER, AND DEVELOPMENT OF A VISION THROUGH THE LENS OF A CAMERA. STUDENTS CREATE A FINAL THEMATIC PROJECT AS AN INTRODUCTION TO PHOTOJOURNALISM AND CONVERGED MEDIA.

MCOM-I4711 Internship-Mass Media 1 Credit
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-I4712 Internship-Mass Media 2 Credits
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

MCOM-I4713 Internship-Mass Media 3 Credits
STUDENTS ENROLLED IN PROFESSIONAL INTERNSHIP WORK WITH UNIVERSITY DEPARTMENTS, LOCAL BUSINESSES AND COMMUNITY ORGANIZATIONS TO DEVELOP THEIR RESUME AND PORTFOLIO IN A PROFESSIONAL SETTING. STUDENTS ARE EXPECTED TO WORK 40 HOURS PER COURSE CREDIT WHILE ENROLLED IN PROFESSIONAL INTERNSHIP.

(MEDTE)

MEDTE-1611 Orientation to Medical Techniques 1 Credit
AN INTRODUCTION TO THE SKILLS AND TECHNIQUES ESSENTIAL FOR THE PROFESSIONAL MEDICAL TECHNOLOGIST.

MEDTE-4117 Clinical Microbiology 7 Credits
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN PATHOGENIC BACTERIA, FUNGI, PARASITES, VIRUSES, AND ANTIMICROBIAL SUSCEPTIBILITY TESTING WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4125 Clinical Chemistry I 5 Credits
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN BIOCHEMISTRY METHODOLOGY AND CLINICAL MICROSCOPY WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4236 Clinical Hematology **6 Credits**
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN ROUTINE AND SPECIAL HEMATOLOGY STUDIES CORRELATING HEMATOLOGICAL FINDINGS WITH MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4246 Clinical Immunology/Immunohematology **6 Credits**
LECTURES ON IMMUNOLOGIC (ANTIGEN-ANTIBODY) RESPONSES, SEROLOGICAL METHODOLOGY AND THEORY OF IMMUNOHEMATOLOGY AS APPLIED TO BLOOD GROUPS, TYPES, COMPATIBILITY TESTING, AND BLOOD COMPONENTS. SUPERVISED LABORATORY INSTRUCTION IN IMMUNOLOGY AND IMMUNOHEMATOLOGY METHODOLOGY WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4325 Clinical Chemistry II **5 Credits**
LECTURE AND SUPERVISED LABORATORY INSTRUCTION IN BIOCHEMISTRY METHODOLOGY AND CLINICAL MICROSCOPY WITH EMPHASIS ON CLINICAL DECISIONS AND MEDICAL SIGNIFICANCE. INCLUDES QUALITY CONTROL, COMPUTER APPLICATIONS, INSTRUMENTATION, LAB MATHEMATICS, QUALITY ASSURANCE/IMPROVEMENT, SAFETY AND GOVERNMENTAL REGULATIONS.

MEDTE-4351 Topics in Medical Technology **1 Credit**
LECTURES ON PRINCIPLES AND PRACTICES OF THE MEDICAL LABORATORY INCLUDING MANAGEMENT EDUCATION (HEALTH CARE DELIVERY SYSTEM, ETHICS, PROFESSIONALISM, COMMUNICATION SKILLS, HUMAN RESOURCES AND FINANCIAL MANAGEMENT), REGULATIONS, AND RESEARCH DESIGN/ SPECIAL PROJECTS.

(MGMT)

MGMT-3013 Principles of Management **3 Credits**
A STUDY OF THE MODERN ORGANIZATION, AND THE FUNDAMENTAL PROCESSES WHICH OPERATE TO MOVE THE ORGANIZATION AND ITS MEMBERS TOWARD OBJECTIVE ACCOMPLISHMENT. EMPHASIS IS GIVEN TO THE BASIC ADMINISTRATIVE ASPECTS, INCLUDING ESTABLISHING OF POLICY AND OBJECTIVES, COMMUNICATION, LEADER-SHIP, MOTIVATION, ORGANIZATIONAL STRUCTURE, DECISION MAKING, AND CONTROL.

MGMT-3023 Project Management I **3 Credits**
THE COURSE INTRODUCES STUDENTS TO THE TOOLS COMMONLY USED IN PROJECT MANAGEMENT AND THE PROJECT MANAGEMENT STANDARDS DEVELOPED BY THE PROJECT MANAGEMENT INSTITUTE (PMI). THE COURSE ALSO COVERS THE FOLLOWING PROJECT MANAGEMENT AREAS OF KNOWLEDGE: (1) THE PROJECT LIFECYCLE AND THE ORGANIZATION; (2) PROJECT MANAGEMENT PROCESSES FOR A PROJECT; (3) PROJECT INTEGRATION MANAGEMENT; (4) PROJECT SCOPE MANAGEMENT; (5) PROJECT TIME MANAGEMENT; AND, (6) PROJECT MANAGEMENT SYSTEMS USING MICROSOFT PROJECT. T

MGMT-3043 Human Resources Management **3 Credits**
AN INTRODUCTION TO THE DEVELOPMENT, APPLICATION AND EVALUATION OF POLICIES, PROCEDURES, AND PROGRAMS FOR THE RECRUITMENT, SELECTION, DEVELOPMENT, AND UTILIZATION OF HUMAN RESOURCES IN AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-3063 Production/Operations Management **3 Credits**
AN INTRODUCTION TO THE BASIC BUSINESS FUNCTION OF PRODUCTION AND OPERATIONS MANAGEMENT. THIS COURSE INCLUDES COMPUTER APPLICATIONS IN PROJECT MANAGEMENT, FORECASTING, AND RESOURCE ALLOCATION. THE STUDENT WILL STUDY A SYNTHESIS OF CONCEPTS AND TECHNIQUES THAT RELATE DIRECTLY TO PRODUCTIVE SYSTEMS AND ENHANCE THEIR MANAGEMENT. THIS MANAGEMENT ACTIVITY IS AIMED AT THE DIRECT RESOURCES REQUIRED TO PRODUCE THE GOODS AND/OR SERVICES PROVIDED BY AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-3103 Organizational Behavior **3 Credits**
A STUDY OF THE HUMAN ASPECTS OF THE ORGANIZATION AND ITS RELATION WITH OTHER ORGANIZATION COMPONENTS. TOPICS INCLUDING LEADERSHIP MOTIVATION, JOB SATISFACTION, GROUP DYNAMICS, AND ORGANIZATION CLIMATE WILL BE EXAMINED. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-3433 Introduction to Leadership **3 Credits**
THIS COURSE WILL INTRODUCE STUDENTS TO VARIOUS LEADERSHIP PRINCIPLES AND ENCOURAGE THEM TO DEVELOP SELF-AWARENESS OF THEIR OWN LEADERSHIP POTENTIAL AND THE SKILLS NECESSARY TO BECOME AN EFFECTIVE LEADER. TOPICS INCLUDE LEADERSHIP STYLES, DEVELOPING AND COMMUNICATION A VISION, MANAGING CONFLICT, EMBRACING DIVERSITY AND INCLUSION, AND ESTABLISHING A CONSTRUCTIVE CLIMATE-WITH A SPECIFIC EMPHASIS ON DEVELOPING THE UNIQUE STRENGTHS OF SELF AND OTHERS. Required Previous: MGMT-3013 with a minimum grade of C or departmental approval.

MGMT-4003 Recruitment, Selection, and Retention **3 Credits**
THIS COURSE FOCUSES ON THE APPLICATION OF HUMAN RESOURCE MANAGEMENT PRACTICES SPECIFIC TO THE ACQUISITION AND RETENTION OF TALENT. TOPICS INCLUDE WORKFORCE PLANNING, RECRUITMENT PROCESSES, SELECTION METHODS, ONBOARDING TECHNIQUES, AND EMPLOYEE RETENTION STRATEGIES. Required Previous: MGMT-3043

MGMT-4013 Project Management II **3 Credits**
THE COURSE COVERS THE FOLLOWING PROJECT MANAGEMENT AREAS OF KNOWLEDGE: 1) PROJECT QUALITY MANAGEMENT, 2) PROJECT RISK MANAGEMENT, 3) PROJECT HUMAN RESOURCES MANAGEMENT, 4) PROJECT COMMUNICATION MANAGEMENT, 5) PROJECT STAKEHOLDER MANAGEMENT, 6) PROJECT COST MANAGEMENT, 7) PROJECT PROCUREMENT MANAGEMENT, AND, 8) PROJECT KNOWLEDGE MANAGEMENT. THIS COURSE IS NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MGMT-3023 or departmental approval.

MGMT-4023 Project Management III **3 Credits**
THE COURSE COVERS THE ADVANCED PROJECT MANAGEMENT SYSTEMS USED IN INDUSTRY AND INTEGRATES PRIOR PROJECT MANAGEMENT KNOWLEDGE THROUGH THE USE OF A COMPREHENSIVE CASE STUDY AND PROJECT PLANNING CURRICULUM. STUDENTS WILL PRESENT THEIR COMPREHENSIVE CASE STUDY PROJECT PLANS AND PROVIDE FEEDBACK ON LESSONS LEARNED. THIS COURSE IS NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-4013 or departmental approval.

MGMT-4313 Compensation and Benefits **3 Credits**
THIS COURSE EXAMINES HOW TO DEVELOP, SELECT, IMPLEMENT, ADMINISTER, AND EVALUATE COMPENSATION AND BENEFITS PROGRAMS FOR ALL EMPLOYEE GROUPS IN ORDER TO SUPPORT THE ORGANIZATION'S GOALS, OBJECTIVES, AND VALUES. THIS COURSE COVERS THE COMPENSATION AND BENEFITS TOPICS FOUND ON THE SHRM ASSURANCE OF LEARNING ASSESSMENT EXAM. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-3013 or departmental approval.

MGMT-4323 Human Resources Training and Development **3 Credits**
THIS COURSE FOCUSES ON THE DESIGN AND IMPLEMENTATION OF LEARNING AND DEVELOPMENT PROGRAMS THAT CONTRIBUTE TO INDIVIDUAL, GROUP, AND ORGANIZATIONAL EFFECTIVENESS. TOPICS INCLUDE NEEDS ASSESSMENT, LEARNING AND TRANSFER OF TRAINING, PROGRAM DESIGN, TRAINING EVALUATION, AND CAREER DEVELOPMENT. THIS COURSE COVERS THE HUMAN RESOURCES TRAINING AND DEVELOPMENT TOPICS FOUND ON THE SHRM ASSURANCE OF LEARNING ASSESSMENT EXAM. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY.

MGMT-4623 Leadership **3 Credits**
THIS COURSE BEGINS WITH A PERSONAL EXPLORATION OF INDIVIDUAL LEADERSHIP ABILITIES BUILDING AN AWARENESS OF PREVIOUS HELD BELIEFS THAT SUPPORT OR HINDER THE DEVELOPMENT OF THE STUDENTS' LEADERSHIP POTENTIAL. THE COURSE INCLUDES SIGNIFICANT LEADERSHIP SKILLS INCLUDING COMMUNICATION, NEGOTIATION, CONFLICT RESOLUTION, MOTIVATION, RELATIONSHIP CREATION, COLLABORATION TECHNIQUES, AND CULTURE DEVELOPMENT. THE COURSE OUTCOME INCLUDES SYNTHESIZING THE ABOVE TOPICS INTO A VALUES BASED AUTHENTIC LEADERSHIP Required Previous: MGMT-3013 or departmental approval.

MGMT-5043 HR Training and Development **3 Credits**
THIS COURSE FOCUSES ON THE DESIGN AND IMPLEMENTATION OF LEARNING AND DEVELOPMENT PROGRAMS THAT CONTRIBUTE TO INDIVIDUAL, GROUP, AND ORGANIZATIONAL EFFECTIVENESS. TOPICS INCLUDE NEEDS ASSESSMENT, LEARNING AND TRANSFER OF TRAINING, PROGRAM DESIGN, TRAINING EVALUATION, AND CAREER DEVELOPMENT.

MGMT-5103 Intoduction to Graduate Business Studies **3 Credits**
THIS COURSE IS AN INTRODUCTION TO GRADUATE BUSINESS STUDIES. THIS CLASS PROVIDES NON-BUSINESS STUDENTS WITH A FUNDAMENTAL UNDERSTANDING OF BUSINESS CONCEPTS RELATED TO ACCOUNTING, ECONOMICS, FINANCE, AND MARKETING NEEDED TO BE SUCCESSFUL IN A GRADUATE BUSINESS PROGRAM.

MGMT-5203 Foundations of Management **3 Credits**
FUNDAMENTAL CONCEPTS IN BUSINESS MANAGEMENT INCLUDING PLANNING, ORGANIZING, LEADING, AND CONTROLLING ARE EXPLORED THROUGH BOTH THEORETICAL AND APPLIED LENSES. STUDENTS WILL LEARN HOW TO APPLY MANAGEMENT THEORY AND BEHAVIORAL RESEARCH TO INFORM OPERATIONAL DECISIONS. COURSE TOPICS INCLUDE ORGANIZATIONAL STRATEGY AND STRUCTURE, MOTIVATION, LEADERSHIP, AND ORGANIZATIONAL CONTROL MECHANISMS.

MGMT-5503 Leadership and Organizational Behavior **3 Credits**
THIS COURSE FOCUSES ON HOW MANAGERS AND LEADERS DEVELOP HUMAN CAPITAL IN ORGANIZATIONS. THIS COURSE COVERS THE METHODS THAT MANAGERS USE TO LEAD HIGH-PERFORMANCE EMPLOYEES AND TEAMS WHILE ALSO PROMOTING POSITIVE JOB ATTITUDES, JOB SATISFACTION, AND ORGANIZATIONAL COMMITMENT IN COMPLEX BUSINESS ENVIRONMENTS. COURSE TOPICS INCLUDE PERSONALITY AND VALUES, PERCEPTION AND DECISION MAKING, MOTIVATION CONCEPTS AND APPLICATIONS, GROUP AND TEAM BEHAVIOR, LEADERSHIP, AND ORGANIZATIONAL CULTURE. Required Previous: MGMT-5203 or departmental approval.

MGMT-5603 Managing in the Global Economy **3 Credits**
THIS CLASS PREPARES STUDENTS TO UNDERSTAND AND MANAGE THE CHALLENGES ORGANIZATIONS FACE AS PARTICIPANTS IN TODAY'S GLOBAL ECONOMY. TOPICS INCLUDE AN OVERVIEW OF THE PROS AND CONS OF GLOBALIZATION; THE UNIQUE PROBLEMS FACED BY GLOBAL FIRST; THE GLOBAL ECONOMIC, SOCIAL, POLITICAL, CULTURAL, NATURAL AND LEGAL ENVIRONMENTS; GLOBAL INSTITUTIONS AND THEIR ROLES; GLOBAL BUSINESS STRATEGIES INCLUDING IMPORTING AND EXPORTING; JOINT VENTURE, FRANCHISING, AND SUBSIDIARIES; GLOBAL MANAGEMENT, MARKETING AND

MGMT-5703 Strategic Management **3 Credits**
THIS COURSE USES THE STRATEGIC MANAGEMENT PROCESS TO TEACH STUDENTS HOW TO ANALYZE AN ORGANIZATION'S VISION, MISSION, CORE VALUES, AND STRATEGIC GOALS AND OBJECTIVES; CONDUCT AN INTERNAL AND EXTERNAL ANALYSIS OF THE ORGANIZATION, ITS INDUSTRY, AND ITS MACROENVIRONMENT; FORMULATE BUSINESS-LEVEL, CORPORATE-LEVEL, AND INTERNATIONAL STRATEGIES; AND IMPLEMENT THOSE STRATEGIES WITH THE OVERALL GOAL OF ACHIEVING A SUSTAINABLE COMPETITIVE ADVANTAGE. Required Previous: MGMT-5103 or departmental approval. MGMT-5703 is to be taken in the last semester prior to graduation.

MGMT-5953 Internship in Management **3 Credits**
SPECIFIED BY EMPLOYER WITH CONSENT OF INSTRUCTOR AND DEPARTMENT CHAIR. PROVIDES EXPERIENTIAL LEARNING DURING WHICH THE STUDENT WORKS UNDER THE SUPERVISION OF A MANAGEMENT PRACTITIONER. THIS WORK EXPERIENCE MAY BE IN A SUPERVISORY, MANAGERIAL OR LEADERSHIP ROLE WITHIN BUSINESS. THE STUDENT IS IMMERSED IN A VARIETY OF INTENSIVE WORK ASSIGNMENTS WITH INCREASED LEVEL OF RESPONSIBILITY. LIMITED TO STUDENTS ADMITTED TO THE MASTER OF SCIENCE IN MANAGEMENT PROGRAM.

MGMT-5981 Seminar in Management (Subject Named title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5982 Seminar in Management (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5983 Seminar in Management (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5984 Seminar in Management (Subject named in title listing) **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEMS OR SPECIAL TOPIC. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5991 Individual Study in Management (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5992 Individual Study in Management (Subject named in title listing) 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5993 Individual Study in Management (Subject named in title listing) 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-5994 Individual Study in Management (Subject named in title listing) 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN; CONFERENCES, ORAL AND WRITTEN REPORTS. WORK MAY BE DONE IN ANY AREA OF MANAGEMENT.

MGMT-H3013 Honors-Principles of Management 3 Credits
A STUDY OF THE MODERN ORGANIZATION, AND THE FUNDAMENTAL PROCESSES WHICH OPERATE TO MOVE THE ORGANIZATION AND ITS MEMBERS TOWARD OBJECTIVE ACCOMPLISHMENT. EMPHASIS IS GIVEN TO THE BASIC ADMINISTRATIVE ASPECTS, INCLUDING ESTABLISHING OF POLICY AND OBJECTIVES, COMMUNICATION, LEADERSHIP, MOTIVATION, ORGANIZATIONAL STRUCTURE, DECISION MAKING, AND CONTROL.

MGMT-H3043 Honors-Human Resources Management 3 Credits
AN INTRODUCTION TO THE DEVELOPMENT, APPLICATION AND EVALUATION OFPOLICIES, PROCEDURES, AND PROGRAMS FOR THE RECRUITMENT, SELECTION,DEVELOPMENT, AND UTILIZATION OF HUMAN RESOURCES IN AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-H3063 Honors-Production/Operations Management 3 Credits
AN INTRODUCTION TO THE BASIC BUSINESS FUNCTION OF PRODUCTION AND OPERATIONS MANAGEMENT. THIS COURSE INCLUDES COMPUTER APPLICATIONS IN PROJECT MANAGEMENT, FORECASTING, AND RESOURCE ALLOCATION. THE STUDENT WILL STUDY A SYNTHESIS OF CONCEPTS AND TECHNIQUES THAT RELATE DIRECTLY TO PRODUCTIVE SYSTEMS AND ENHANCE THEIR MANAGEMENT. THIS MANAGEMENT ACTIVITY IS AIMED AT THE DIRECT RESOURCES REQUIRED TO PRODUCE THE GOODS AND/OR SERVICES PROVIDED BY AN ORGANIZATION. Required Previous: MGMT-3013 with a grade of C or higher or departmental approval.

MGMT-H3103 Honors-Organizational Behavior 3 Credits
A STUDY OF THE HUMAN ASPECTS OF THE ORGANIZATION AND ITS RELATION WITH OTHER ORGANIZATION COMPONENTS. TOPICS INCLUDING LEADERSHIP MOTIVATION, JOB SATISFACTION, GROUP DYNAMICS, AND ORGANIZATION CLIMATE WILL BE EXAMINED. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: MGMT-3013 with a grade of C or higher or departmental approvl.

MGMT-H4323 Honors-Human Resources Training and Development 3 Credits
THIS COURSE FOCUSES ON THE DESIGN AND IMPLEMENTATION OF LEARNING AND DEVELOPMENT PROGRAMS THAT CONTRIBUTE TO INDIVIDUAL, GROUP, AND ORGANIZATIONAL EFFECTIVENESS. TOPICS INCLUDE NEEDS ASSESSMENT, LEARNING AND TRANSFER OF TRAINING, PROGRAM DESIGN, TRAINING EVALUATION, AND CAREER DEVELOPMENT. THIS COURSE COVERS THE HUMAN RESOURCES TRAINING AND DEVELOPMENT TOPICS FOUND ON THE SHRM ASSURANCE OF LEARNING ASSESSMENT EXAM. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY.

MGMT-H4623 Honors-Leadership 3 Credits
THIS COURSE BEGINS WITH A PERSONAL EXPLORATION OF INDIVIDUAL LEADERSHIP ABILITIES BUILDING AN AWARENESS OF PREVIOUS HELD BELIEFS THAT SUPPORT OR HINDER THE DEVELOPMENT OF THE STUDENTS' LEADERSHIP POTENTIAL. THE COURSE INCLUDES SIGNIFICANT LEADERSHIP SKILLS INCLUDING COMMUNICATION, NEGOTIATION, CONFLICT RESOLUTION, MOTIVATION, RELATIONSHIP CREATION, COLLABORATION TECHNIQUES, AND CULTURE DEVELOPMENT. THE COURSE OUTCOME INCLUDES SYNTHESIZING THE ABOVE TOPICS INTO A VALUES BASED AUTHENTIC LEADERSHIP Required Previous: MGMT-3013 or departmental approval.

(MIS)

MIS-1903 Computer Business Applications 3 Credits
INTRODUCTION TO THE MICROCOMPUTER AND THE MOST WIDELY USED PERSONAL COMPUTER APPLICATIONS SOFTWARE. THE STUDENT WILL LEARN ESSENTIAL COMPUTER CONCEPTS AND THE RUDIMENTS OF OPERATING SYSTEMS, USING A LAN NETWORK, WRITING WITH A WORD PROCESSOR, DESIGNING AND BUILDING SPREADSHEETS AND EFFECTIVELY USING DATABASE MANAGEMENT SYSTEMS. THE HANDS-ON APPROACH IS USED EXTENSIVELY THROUGHOUT THE COURSE.

MIS-3433 Management Information Systems 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT ATTAIN INFORMATION SYSTEM LITERACY, A BASIC UNDERSTANDING OF THE VALUE AND USE OF INFORMATION SYSTEMS FOR BUSINESS ORGANIZATION OPERATIONS, MANAGEMENT DECISION MAKING, AND STRATEGIC ADVANTAGE. THE COURSE USES ADVANCED MICROSOFT EXCEL TO APPLY MIS CONCEPTS. Required Previous: MIS-1903 taken within the last five (5) years with a grade of C or higher or departmental approval.

MIS-3453 Advanced Computer Business Applications 3 Credits
STUDY OF ADVANCED TECHNIQUES FOR ADDRESSING COMPLEX ACCOUNTING AND BUSINESS PROBLEMS USING MICROCOMPUTER SOFTWARE PACKAGES. SOFTWARE PACKAGES USED INCLUDE ADVANCED MICROSOFT EXCEL, VISUAL BASIC, AND QUICKBOOKS. ADDITIONAL DATABASE MANAGEMENT, PROJECT SCHEDULER, AND STATISTICAL PACKAGES MAY ALSO BE USED. Required Previous: MIS-3433 with a grade of C or higher or departmental approval.

MIS-H3433 Honors-Management Information Systems 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT ATTAIN INFORMATION SYSTEM LITERACY, A BASIC UNDERSTANDING OF THE VALUE AND USE OF INFORMATION SYSTEMS FOR BUSINESS ORGANIZATION OPERATIONS, MANAGEMENT DECISION MAKING, AND STRATEGIC ADVANTAGE. THE COURSE USES

ADVANCED MICROSOFT EXCEL TO APPLY MIS CONCEPTS. Required Previous: MIS-1903 taken with the last five (5) years and a grade of C or higher or departmenatl approval.

(MKTG)

MKTG-3113 Consumer Behavior **3 Credits**
THIS COURSE EXPLORES THE PSYCHOLOGICAL, SOCIAL, AND CULTURAL FACTORS THAT INFLUENCE CONSUMER DECISION-MAKING. STUDENTS WILL EXAMINE HOW INDIVIDUALS AND GROUPS SELECT, PURCHASE, USE, AND DISPOSE OF PRODUCTS AND SERVICES. TOPICS INCLUDE PERCEPTION, MOTIVATION, LEARNING, ATTITUDE FORMATION, PERSONALITY, GROUP DYNAMICS, AND LIFESTYLE SEGMENTATION. EMPHASIS IS PLACED ON APPLYING CONSUMER BEHAVIOR THEORIES TO MARKETING STRATEGY, BRANDING, PRODUCT DEVELOPMENT, AND ADVERTISING. Required Previous: Take MKTG-3313

MKTG-3123 Event Marketing **3 Credits**
THIS COURSE EXPLORES THE STRATEGIC ROLE OF MARKETING IN THE PLANNING, PROMOTION, AND EXECUTION OF SUCCESSFUL EVENTS. STUDENTS WILL LEARN HOW TO DEVELOP AND IMPLEMENT EVENT MARKETING CAMPAIGNS THAT DRIVE ATTENDANCE, ENGAGEMENT, AND BRAND AWARENESS. TOPICS INCLUDE TARGET AUDIENCE IDENTIFICATION, SPONSORSHIP DEVELOPMENT, MEDIA PLANNING, DIGITAL PROMOTION, EXPERIENTIAL MARKETING, BUDGETING, AND POST-EVENT EVALUATION. THE COURSE COVERS A VARIETY OF EVENT TYPES, INCLUDING CORPORATE EVENTS, TRADE SHOWS Required Previous: Take MKTG-3313

MKTG-3313 Principles of Marketing **3 Credits**
A MANAGERIAL APPROACH TO THE STUDY OF MARKETING CONCEPTS. EMPHASIS GIVEN TO PLANNING, PRICING, PROMOTION, AND PHYSICAL DISTRIBUTION OF A PRODUCT OR SERVICE.

MKTG-3333 Digital Marketing **3 Credits**
THROUGH RELEVANT AND APPLICABLE BUSINESS EXAMPLES, THIS COURSE PROVIDES LEARNERS THE ABILITY TO FORMULATE AND ENACT INTELLIGENT, DATA-DRIVEN MARKETING STRATEGIES. CORE CONTENT WILL FOCUS ON IDENTIFYING AND UNDERSTANDING DIGITAL MARKETING METRICS TO GAUGE SUCCESS OF BOTH SOCIAL MEDIA AND TRADITIONAL DIGITAL MARKETING EFFORTS. THROUGH AN EXAMINATION OF ACCESSIBLE DATA PROVIDED BY CURRENT TECHNOLOGIES, STUDENTS WILL FURTHER THEIR UNDERSTANDING OF THE ONLINE VALUE CHAIN AND HOW TO CAPITALIZE ON EMER Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-3353 Retailing and eBusiness Management **3 Credits**
A PRACTICAL STUDY AND COMPARISON OF TRADITIONAL RETAILING AND RETAILING ON THE INTERNET, INCLUDING PRODUCTS AND SERVICES, BUYING/ PROCUREMENT, PROMOTION, MERCHANDISING/ DISTRIBUTION, PAYMENTS, CUSTOMER RELATIONSHIP MANAGEMENT, ETHICS AND SECURITY WITH AN EMPHASIS ON LOGISTICS AND HOW THE INTERNET HAS CHANGED RETAILING. SOME ATTENTION WILL ALSO BE PAID TO BUSINESS MARKETING. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 or departmental approval.

MKTG-3423 Integrated Marketing Communications **3 Credits**
ANALYSIS OF ADVERTISING AND PROMOTIONAL POLICIES WITH EMPHASIS ON INTEGRATED MARKETING COMMUNICATIONS AND DEVELOPMENT OF ACTIONABLE PROMOTION PROGRAMS AND STRATEGIES. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-3813 Professional Selling **3 Credits**
SKILLS TO UNDERSTANDING THE PROFESSIONAL PERSONAL SELLING PROCESS AND THE MANAGEMENT OF A SALES ORGANIZATION. STRONG EMPHASIS ON THE COMMUNICATIONS FUNCTION OF PERSONAL SELLING. LECTURE SESSIONS COMBINED WITH EXPERIENTIAL EXERCISES AND ROLE PLAYING. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY.

MKTG-4113 Sports Marketing **3 Credits**
THIS COURSE PROVIDES AN IN-DEPTH EXAMINATION OF MARKETING PRINCIPLES AS THEY APPLY TO THE SPORTS INDUSTRY. STUDENTS WILL EXPLORE THE UNIQUE ASPECTS OF SPORTS MARKETING, INCLUDING FAN BEHAVIOR, SPONSORSHIPS, LICENSING, BRANDING, MEDIA RIGHTS, AND EVENT PROMOTION. EMPHASIS IS PLACED ON THE DEVELOPMENT AND IMPLEMENTATION OF MARKETING STRATEGIES FOR PROFESSIONAL, COLLEGIATE, AND AMATEUR SPORTS ORGANIZATIONS. Required Previous: Take MKTG-3313

MKTG-4123 Retail Management **3 Credits**
THIS COURSE EXAMINES RETAILING AS A STRATEGIC MARKETING DISCIPLINE THAT INTEGRATES CUSTOMER INSIGHT, COMPETITIVE POSITIONING, PRICING STRATEGY, OPERATIONS, ANALYTICS, AND OMNICHANNEL EXECUTION. STUDENTS ANALYZE HOW RETAILERS CREATE AND SUSTAIN COMPETITIVE ADVANTAGE THROUGH REAL ESTATE AND LOCATION STRATEGY, EXPERIENCE DESIGN, SUPPLY CHAIN COORDINATION, DATA-DRIVEN DECISION MAKING, AND THE ALIGNMENT OF PHYSICAL AND DIGITAL CHANNELS. EMPHASIS IS PLACED ON RETAIL AS A COMPLEX BUSINESS ECOSYSTEM THA Required Previous: Take MKTG-3313

MKTG-4223 Sales Management **3 Credits**
THIS COURSE FOCUSES ON THE ROLE OF THE SALES FORCE AS A DRIVER OF AN ORGANIZATION'S OVERALL MARKETING AND REVENUE OBJECTIVES. STUDENTS ANALYZE THE PRINCIPLES, METHODS, AND PROBLEMS RELATING TO THE MANAGEMENT OF SALES FORCE, SALES FORCE ORGANIZATION AND STRUCTURE, TERRITORY AND ACCOUNT MANAGEMENT, SALES FORECASTING AND PERFORMANCE METRICS, AND THE USE OF TECHNOLOGY TO ENHANCE SALES EFFECTIVENESS. THE COURSE ALSO EXPLORES KEY STAFFING ISSUES IN SALES, INCLUDING RECRUITING, TRAINING, MOTIVATION, AN

MKTG-4413 Marketing Research **3 Credits**
A STUDY OF MODERN MARKETING RESEARCH TECHNIQUES AND THEIR APPLICATIONS BY MANAGEMENT TO PROBLEMS OF MARKETING STRATEGY, DEVELOPMENT, IMPLEMENTATION, AND CONTROL. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-4423 Marketing Management **3 Credits**
A STUDY OF MARKETING FROM THE VIEW OF THE MARKETING EXECUTIVE AND THE FIRM. MAJOR EMPHASIS IS ON EFFECTIVE MARKETING PLANNING, DECISION MAKING AND IMPLEMENTING MARKETING PLANS. CONTEMPORARY MARKETING ISSUES AND PROBLEMS ARE ADDRESSED WITH FOCUS ON DEVELOPMENT OF SOLUTIONS TO MARKETING PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-4623 Marketing Analytics and Strategy 3 Credits
CAPSTONE COURSE WITH FOCUS ON QUANTITATIVE DECISION TOOLS TO ANALYZE, PLAN AND IMPLEMENT MARKETING STRATEGIES, PROGRAMS AND TACTICS. TOPICS INCLUDE CUSTOMER ACQUISITION AND RETENTION, MARKET SHARE ANALYSIS, SEGMENTATION, CUSTOMER LOYALTY, RETURN ON MARKETING INVESTMENT, PRODUCT PERFORMANCE, CUSTOMER PROFITABILITY, PRICING STRATEGY, SALES FORCE AND CHANNEL MANAGEMENT, AND MARKETING PROMOTION, ADVERTISING, AND WEB METRICS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-5103 Advanced Marketing for Managers 3 Credits
A STUDY OF MARKETING THEORY AS IT RELATES TO UNDERSTANDING AND MANAGING THE MARKETING FUNCTION AND MARKETING'S ROLE IN ORGANIZATIONAL EFFORTS TO PRODUCE AND DELIVER VALUE. TOPICS INCLUDE THE MECHANICS OF MARKETING MANAGEMENT; LOGISTICS; MARKETING PLANNING AND STRATEGIES; UNDERSTANDING MARKETS; SEGMENTING MARKETS; TARGETING MARKETS; AND DEVELOPING, COMMUNICATING AND DELIVERING VALUE AND BUILDING RELATIONSHIPS THROUGH APPROPRIATE MARKETING MIXES.

MKTG-5113 Sales Management 3 Credits
THIS COURSE FOCUSES ON THE ROLE OF THE SALES FORCE AS A DRIVER OF AN ORGANIZATION'S OVERALL MARKETING AND REVENUE OBJECTIVES. STUDENTS ANALYZE THE PRINCIPLES, METHODS, AND PROBLEMS RELATING TO THE MANAGEMENT OF SALES FORCE, SALES FORCE ORGANIZATION AND STRUCTURE, TERRITORY AND ACCOUNT MANAGEMENT, SALES FORECASTING AND PERFORMANCE METRICS, AND THE USE OF TECHNOLOGY TO ENHANCE SALES EFFECTIVENESS. THE COURSE ALSO EXPLORES KEY STAFFING ISSUES IN SALES, INCLUDING RECRUITING, TRAINING, MOTIVATION, AN

MKTG-5173 Marketing Analysis 3 Credits
TRANSLATES CONCEPTUAL UNDER-STANDING INTO SPECIFIC OPERATIONAL PLANS. TOPICS INCLUDE MARKET ANALYTICS AND METRICS, SEGMENTATION TARGETING AND POSITIONING, PRICING STRATEGIES, PRODUCT DEVELOPMENT AND SELECTION, SALES FORCE UTILIZATION, ADVERTISING AND PROMOTION PLANNING, AND THE DEVELOPMENT OF THE MARKETING PLAN.

MKTG-H3353 Honors-Retailing and eBusiness Management 3 Credits
A PRACTICAL STUDY AND COMPARISON OF TRADITIONAL RETAILING AND RETAILING ON THE INTERNET, INCLUDING PRODUCTS AND SERVICES, BUYING/ PROCUREMENT, PROMOTION, MERCHANDISING/ DISTRIBUTION, PAYMENTS, CUSTOMER RELATIONSHIP MANAGEMENT, ETHICS AND SECURITY WITH AN EMPHASIS ON LOGISTICS AND HOW THE INTERNET HAS CHANGED RETAILING. SOME ATTENTION WILL ALSO BE PAID TO BUSINESS MARKETING. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 or departmental approval.

MKTG-H3423 Honors-Integrated Marketing Communications 3 Credits
ANALYSIS OF ADVERTISING AND PROMOTIONAL POLICIES WITH EMPHASIS ON INTEGRATED MARKETING COMMUNICATIONS AND DEVELOPMENT OF ACTIONABLE PROMOTION PROGRAMS AND STRATEGIES. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

MKTG-H4413 Honors-Marketing Research 3 Credits
STUDY OF MODERN MARKETING RESEARCH TECHNIQUES AND THEIR APPLICATIONS BY MANAGEMENT TO PROBLEMS OF MARKETING STRATEGY, DEVELOPMENT, IMPLEMENTATION, AND CONTROL. THIS COURSE NORMALLY OFFERED IN THE FALL SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-H4423 Honors-Marketing Management 3 Credits
A STUDY OF MARKETING FROM THE VIEW OF THE MARKETING EXECUTIVE AND THE FIRM. MAJOR EMPHASIS IS ON EFFECTIVE MARKETING PLANNING, DECISION MAKING AND IMPLEMENTING MARKETING PLANS. CONTEMPORARY MARKETING ISSUES AND PROBLEMS ARE ADDRESSED WITH FOCUS ON DEVELOPMENT OF SOLUTIONS TO MARKETING PROBLEMS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER ONLY. Required Previous: BSEC-2603 with a grade of C or higher or departmental approval.

MKTG-H4623 Honors-Marketing Analytics and Strategy 3 Credits
CAPSTONE COURSE WITH FOCUS ON QUANTITATIVE DECISION TOOLS TO ANALYZE, PLAN AND IMPLEMENT MARKETING STRATEGIES, PROGRAMS AND TACTICS. TOPICS INCLUDE CUSTOMER ACQUISITION AND RETENTION, MARKET SHARE ANALYSIS, SEGMENTATION, CUSTOMER LOYALTY, RETURN ON MARKETING INVESTMENT, PRODUCT PERFORMANCE, CUSTOMER PROFITABILITY, PRICING STRATEGY, SALES FORCE AND CHANNEL MANAGEMENT, AND MARKETING PROMOTION, ADVERTISING, AND WEB METRICS. THIS COURSE NORMALLY OFFERED IN THE SPRING SEMESTER. Required Previous: MKTG-3313 with a grade of C or higher or departmental approval.

(MS)

MS-1000 Military Science Leadership Lab 0 Credits
A NON-CREDIT COURSE REQUIRED EACH SEMESTER FOR G.O.L.D. PROGRAM, SOLDIERS AND MILITARY SCIENCE MINORS. THIS COURSE PROVIDES LEADERSHIP AND MANAGEMENT OPPORTUNITIES IN FORMAL AND INFORMAL MILITARY SETTINGS.

MS-1223 Introduction to the Military Profession 3 Credits
MS-1223 INTRODUCES CANDIDATES TO THE CHALLENGES AND COMPETENCIES THAT ARE CRITICAL FOR EFFECTIVE LEADERSHIP. CANDIDATES LEARN HOW THE DEVELOPMENT OF LIFE SKILLS SUCH AS CREATIVE THINKING, CRITICAL THINKING, AND EFFECTIVE COMMUNICATION FORM A FOUNDATION FOR SUCCESS. WRITING AND BRIEFING IN THE ARMY STYLE WILL BE INTRODUCED AND REINFORCED THROUGH A SERIES OF IN-CLASS BRIEFING AND WRITING ASSIGNMENTS. CANDIDATES BEGIN LEARNING THE BASICS OF TEAM DYNAMICS AND SQUAD LEVEL TACTICS. THEY ARE REQUIRED T

MS-1313 Introduction to Military Leadership and and Personal Development 3 Credits
INTRODUCES THE STUDENT TO THE PERSONAL CHALLENGES AND COMPETENCIES THAT ARE CRITICAL FOR EFFECTIVE LEADERSHIP. STUDENTS WILL LEARN HOW THE PERSONAL DEVELOPMENT OF LIFE SKILLS SUCH AS GOAL SETTING, PROBLEM-SOLVING AND TIME MANAGEMENT RELATE TO LEADERSHIP, OFFICERSHIP AND THE ARMY PROFESSION. STUDENTS WILL FOCUS ON AND EXPLORE DIMENSIONS OF THE LEADERSHIP ATTRIBUTES AND CORE COMPETENCIES IN PRACTICAL HANDS-ON SCENERIOS AND EXERCISES. OPEN TO ALL STUDENTS.

MS-2113 Leadership and Decision Making 3 Credits
MS-2113 FOCUSES ON THE BASICS OF SMALL UNIT LEADERSHIP AND THE WARFIGHTING FUNCTIONS. THE COURSE INTRODUCES THE CANDIDATES TO THE TROOP LEADING PROCEDURES AND HOW TO APPLY THEM TO THE 5-PARAGRAPH OPERATIONS ORDER. THE ABILITY TO LEAD AND FOLLOW IS ALSO COVERED

THROUGH TEAM BUILDING AND COMMUNICATION EXERCISES AT SQUAD LEVEL. WRITING AND BRIEFING IN THE ARMY STYLE ARE STRESSED THROUGH A SERIES OF WRITTEN ASSIGNMENTS AND IN-CLASS BRIEFINGS. CANDIDATES WILL READ TWO BOOKS DURING THE SEMESTER THAT D

MS-2123 Foundations of Leadership 3 Credits
MS-2123 EXPLORES THE FOUNDATIONS OF LEADERSHIP BY STUDYING MILITARY HISTORY, AND THE PROMINENT LEADERS AND BATTLES THAT SHAPED OUR COUNTRY. WRITING AND BRIEFING IN THE ARMY STYLE ARE STRESSED THROUGH A SERIES OF WRITTEN ASSIGNMENTS AND IN-CLASS BRIEFINGS, AND CANDIDATES WILL READ TWO BOOKS DIRECTLY RELATED TO THEIR PERSONAL GROWTH AND DEVELOPMENT. CANDIDATES WILL CONTINUE TO BUILD ON THEIR LAND NAVIGATION SKILLS THROUGH A SERIES OF WRITTEN AND PRACTICAL LAND NAVIGATION EXERCISES. CANDIDATES ARE

MS-3123 Military Tactics and Operations 3 Credits
STUDIES THE FUNDAMENTALS, TECHNIQUES, AND PROCEDURES OF LIGHT INFANTRY SQUAD AND PLATOON TACTICS. DEVELOPS LEADERSHIP SKILLS AND PLANNING, ORGANIZING, AND EXECUTING SMALL UNIT OPERATIONS. OPEN TO QUALIFIED UNDERGRADUATE STUDENTS WHO HAVE BEEN ACCEPTED TO THE OKLAHOMA NATIONAL GUARD OCS PROGRAM.

MS-3313 Military Leadership and Management 3 Credits
STUDIES SMALL UNIT LEADERSHIP FUNDAMENTALS. EXAMINES THE JUNIOR OFFICER'S ROLE AND RESPONSIBILITIES IN THE LEADERSHIP PROCESS. ADDRESSES TOPICS SUCH AS PROFESSIONAL ETHICS, SOLDIER/TEAM DEVELOPMENT, AND ARMY WRITTEN AND ORAL COMMUNICATION SKILLS. OPEN TO QUALIFIED UNDERGRADUATE STUDENTS WHO HAVE BEEN ACCEPTED TO THE OKLAHOMA NATIONAL GUARD OCS PROGRAM.

MS-3412 Advanced Leadership Camp 2 Credits
AN INTENSIVE TWO-WEEK PERIOD OF PRE-COMMISSIONING TRAINING. ORIENTED TOWARDS SQUAD AND PLATOON LEVEL OPERATIONS IN A FIELD ENVIRONMENT. STUDENTS PLAN, ORGANIZE, AND CONDUCT SMALL UNIT OPERATIONS AND TRAINING IN A VARIETY OF LEADERSHIP POSITIONS. TRAINING TAKES PLACE AT A MILITARY INSTALLATION. OPEN TO QUALIFIED UNDERGRADUATE STUDENTS WHO HAVE BEEN ACCEPTED TO THE OKLAHOMA NATIONAL GUARD OCS PROGRAM.

MS-4113 Foundations of Tactical Leadership 3 Credits
MS-4113 FOCUSES ON APPLIED LEADERSHIP IN SMALL UNIT OPERATIONS. IT IS AN ACADEMICALLY CHALLENGING COURSE WHERE CANDIDATES WILL STUDY, PRACTICE, AND APPLY THE FUNDAMENTALS OF DIRECT LEVEL LEADERSHIP AT THE PLATOON LEVEL. CANDIDATES WILL WORK DIRECTLY WITH GOLD CADRE IN THE PLANNING AND FACILITATION OF DAILY PHYSICAL TRAINING, WEEKLY LABS, AND A 3-DAY FIELD TRAINING EXERCISE. THROUGHOUT THE SEMESTER THERE WILL BE AN EMPHASIS ON TEACHING AND LEADING UNDERCLASS CANDIDATES ON THE EXECUTION OF LAND NA

(MUS)

MUS-1000 Performing Arts Recital 0 Credits
A NON-CREDIT COURSE REQUIRED EACH SEMESTER FOR MUSIC MAJORS AND MINORS.THE COURSE PROVIDES LISTENING AND PERFORMANCE OPPORTUNITIES IN FORMAL AND INFORMAL CONCERT SETTINGS.

MUS-1101 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1102 Private Instructor N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1113 Music Theory & Ear Training I 3 Credits
BEGINNING AT A FUNDAMENTAL LEVEL, THE ELEMENTS OF MUSIC INCLUDING THE STUDY OF PITCH, RHYTHM, NOTE READING, CLEFS, KEY SIGNATURES, SCALES, INTERVALS, AND CHORDS, WITH REFERENCE TO BASIC MUSICAL STYLE, AND INCLUDES LABORATORY SIGHT SINGING AND EAR TRAINING PRACTICE. LECTURE HOURS 3/LAB HOURS 2.

MUS-1121 Vocal Diction I 1 Credit
PROPER STAGE DICTION FOR SINGERS OF ENGLISH AND ITALIAN THROUGH THE USE OF THE INTERNATIONAL PHONETIC ALPHABET. NOT INTENDED AS A GRAMMATICAL STUDY. FULFILLS ONE HOUR OF THE VOICE REQUIRMENT FOR VOCAL AND PIANO MAJORS ONLY. (ELECTIVE FOR ALL OTHERS.)

MUS-1133 Music Theory & Ear Training II 3 Credits
THE ELEMENTS OF MUSIC INCLUDING THE STUDY OF CLEFS, KEYS, SCALES, METERS, RHYTHM, DIATONIC CHORDS, THEORETICAL APPLICATIONS OF MUSIC THROUGH PART WRITING, SIGHT SINGING, EAR TRAINING, COMPUTER ASSIGNMENTS AND KEYBOARD HARMONY. TWO HOURS LECTURE AND TWO HOURS LAB WEEKLY.

MUS-1201 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1202 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1233 Music Theory & Ear Training III 3 Credits
FURTHER STUDY OF DIATONIC CHORDS, HARMONIC PROGRESSION, PHRASE STRUCTURE, THEORETICAL APPLICATIONS OF MUSIC THROUGH PART WRITING, ANALYSIS, SIGHT SINGING, EAR TRAINING, AND KEYBOARD HARMONY. TWO HOURS LECTURE AND TWO HOURS LAB WEEKLY. Required Previous: MUS-1133

MUS-1301 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1302 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1401 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1402 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1501 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1502 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1511 Class Instruction in Brass Instruments 1 Credit
CLASS INSTRUCTION IN ONE BRASS INSTRUMENT AND SURVEY OF ENTIRE BRASS CHOIR. COURSE MAY BE REPEATED IF APPROVED, TO PROVIDE FOR INSTRUCTION IN DIFFERENT INSTRUMENTS.

MUS-1521 Class Instruction in Wind Instruments 1 Credit
FOR MUSIC EDUCATION STUDENTS IN THE VOCAL AND PIANO CONCENTRATIONS. INSTRUCTION INCLUDES HANDS-ON EXPERIENCE, INCLUDING TEACHING AND PERFORMING ON WIND INSTRUMENTS AT BASIC, BEGINNING, AND INTERMEDIATE LEVELS OF BOTH PERFORMANCE PEDAGOGY AND LITERATURE.

MUS-1601 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1602 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1611 Class Instruction in Woodwind Instruments 1 Credit
CLASS INSTRUCTION IN ONE WOODWIND INSTRUMENT AND SURVEY OF ENTIRE WOODWIND CHOIR. COURSE MAY BE REPEATED ON SAME BASIS AS MUS 1511.

MUS-1701 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1702 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1711 Class Instruction in String Instruments 1 Credit
CLASS INSTRUCTION IN ONE STRING INSTRUMENT AND SURVEY OF ENTIRE STRING CHOIR. COURSE MAY BE REPEATED ON SAME BASIS AS MUS 1511.

MUS-1801 Private Instruction N-M(instr) 1 Credit
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1802 Private Instruction N-M(instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-1811 Class Instruction in Percussion Instruments 1 Credit
CLASS INSTRUCTION IN ONE PERCUSSION INSTRUMENT AND SURVEY OF ENTIRE PERCUSSION CHOIR. COURSE MAY BE REPEATED ON SAME BASIS AS MUS 1511.

MUS-1911 Class Piano I 1 Credit
EXTRA FEE CHARGED. GROUP INSTRUCTION IN APPLIED PIANO, SPECIAL EMPHASIS ON THEORETICAL CONCEPTS RELEVANT TO KEYBOARD FACILITY DEVELOPMENT, SIGHT READING OF HISTORICAL KEYBOARD STYLES AND FUNDAMENTALS OF KEYBOARD HARMONY PEDAGOGY.

MUS-1921 Class Piano II 1 Credit
EXTRA FEE CHARGED. GROUP INSTRUCTION IN APPLIED PIANO, SPECAL EMPHASIS ON THEORETICAL CONCEPTS RELEVANT TO KEYBOARD FACILITY DEVELOPMENT, SIGHT READING OF HISTORICAL KEYBOARD STYLES AND FUNDAMENTALS OF KEYBOARD HARMONY PEDAGOGY.

MUS-2032 Private Instruction (instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-2042 Private Instruction (instr) 2 Credits
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-2111 University Singers 1 Credit
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON THE HISTORICAL, THEORETICAL AND PERFORMANCE-PRACTICE ASPECTS OF MUSIC FOR LARGE ENSEMBLES, LEADING TO THE PERFORMANCE OF THE LITERATURE.

MUS-2122 Introduction to Sacred Music 2 Credits
AN INTRODUCTION TO THE FIELD OF SACRED MUSIC. AN EXAMINATION OF VARYING MUSIC TYPES FOUND IN DIFFERENT DENOMINATIONS FROM BOTH A PHILOSOPHICAL AND HISTORICAL PERSPECTIVE. STUDENTS WILL GAIN AN UNDERSTANDING OF THE DIFFERENT TYPES OF SACRED MUSIC USED IN A LITURGICAL AS WELL AS SECULAR SETTING.

MUS-2142 Hymnology and Liturgy 2 Credits
THE STUDY OF TRADITIONAL SACRED MUSIC. COURSE CONTENT INCLUDES THE HISTORICAL STUDY OF TRADITIONAL HYMNS AND CHORAL MUSIC APPROPRIATE FOR THE SACRED MUSIC FIELD.

MUS-2152 Guitar and Contemporary Worship 2 Credits
THE STUDY OF CONTEMPORARY SACRED MUSIC USING THE GUITAR AS THE MAIN PERFORMANCE MEDIUM. STUDENT WILL LEARN THE BASIC GUITAR TECHNIQUE AND HARMONIC VOCABULARY NECESSARY FOR THE PERFORMANCE OF CONTEMPORARY SACRED MUSIC.

MUS-2211 Band 1 Credit
STUDY OF THE HISTORICAL, THEORETICAL, ACOUSTICAL AND PEDAGOGICAL ASPECTS OF BAND MUSIC, LEADING TO THE PERFORMANCE OF SYMPHONIC BAND LITERATURE.

MUS-2231 Jazz Ensemble 1 Credit
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING, PERFORMANCE, AND DIRECTING OF JAZZ MUSIC VIA THE STUDY OF JAZZ HISTORY, COMPARISON OF JAZZ STYLES, AND THEORETICAL APPLICATIONS OF JAZZ IMPROVISATION. ADMISSION BY AUDITION.

MUS-2422 Introduction to Music Education 2 Credits
INTRODUCTION TO THE UNIQUE ROLE OF MUSIC AND THE ARTS IN AMERICAN EDUCATION, FROM BOTH A PHILOSOPHICAL AND HISTORICAL PERSPECTIVE. THE PRIMARY EMPHASIS OF THE COURSE IS THE DEVELOPMENT AND UNDERSTANDING OF A RATIONALE FOR INCLUDING MUSIC IN THE PUBLIC SCHOOL CURRICULUM.

MUS-2433 World Music 3 Credits
THE STUDY OF SIGNIFICANT MUSIC OF NON-WESTERN CULTURES (AFRICA, ASIA, MIDDLE EASTERN), AND OF THE AMERICAS (LATIN AMERICA AND NATIVE NORTH AMERICA). STYLES AND TRAITS OF SPECIFIC ETHNIC MUSIC.

MUS-2533 Music in Life 3 Credits
STUDY OF SIGNIFICANT MUSIC OF WESTERN CULTURES FROM MIDDLE AGES TO THE PRESENT.

MUS-2881 Special Studies in Music- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2882 Special Studies in Music- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2883 Special Studies in Music- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2884 Special Studies in Music- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-2911 Class Piano III 1 Credit
APPLIED INSTRUCTION IN GROUPS WITH EMPHASIS ON KEYBOARD FACILITY, SIGHTREADING, AND KEYBOARD HARMONY.

MUS-2921 Class Piano IV 1 Credit
EXTRA FEE CHARGED. GROUP INSTRUCTION IN APPLIED PANO, SPECIAL EMPHASISON THEORETICAL CONCEPTS RELEVANT TO KEYBOARD FACILITY DEVELOPMENT,READING OF HISTORICAL KEYBOARD STYLES AND FUNDAMENTALS OF KEYBOARD HARMONY PEDAGOGY. Required Previous or Concurrent: Take MUS-2911 or instructor permission

MUS-2931 Introduction to Fundamental Music 1 Credit
MUSIC THEORY AND FUNDAMENTAL SKILLS DEVELOPMENT, INCLUDING INSTRUCTIONIN RECORDER, VOICE, AUTOHARP, PIANO, AND RHYTHM/MELODIC INSTRUMENTS. PROVIDES A RUDIMENTARY LEVEL OF FUNCTIONAL MUSIC.

MUS-3012 Sacred Music Organization 2 Credits
ORGANIZATION AND METHODOLOGY OF SACRED MUSIC PROGRAMS INCLUDING THE CREATION OF BUDGETS, ADMINISTRATIVE ISSUES AND PRESENTATION TO THE PUBLIC. STUDY OF PEDAGOGY AND REHEARSAL TECHNIQUES APPROPRIATE FOR DIFFERENT AGE LEVELS FOUND IN SACRED MUSIC. Required Previous: MUS-2122

MUS-3021 Sacred Music Internship **1 Credit**
A SUPERVISED PROFESSIONAL SACRED MUSIC INTERNSHIP IN A CHURCH, SUPERVISED BY FACULTY. Required Previous: MUS-2122

MUS-3052 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-3062 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-3113 Music Theory & Ear Training IV **3 Credits**
CHROMATIC HARMONY, MODULATION, AND THEORETICAL APPLICATIONS OF MUSIC THROUGH PART WRITING, COMPUTER ASSIGNMENTS, COMPOSITION, ANALYSIS SIGHT SINGING, EAR TRAINING AND KEYBOARD HARMONY. TWO HOURS LECTURE AND TWO HOURS LAB. Required Previous: MUS-1233

MUS-3121 Piano Literature I **1 Credit**
AN ANALYTICAL AND HISTORICAL SURVEY OF THE PROMINENT COMPOSERS, WORKS, PIANISTS, COLLATIONS AND EDITIONS OF PIANO LITERATURE FROM ITS ORIGIN THE ROMANTIC ERA, A HISTORY OF KEYBOARD INSTRUMENTS TO THE PRESENT.

MUS-3211 Principles of Conducting **1 Credit**
INTRO COURSE IN CONDUCTING, OBJECTIVES INCLUDE LEARNING BEAT PATTERNS, PROPER POSTURE, USE OF BATONAND EXPRESSIVE GESTURES NECESSARY FOR CLEAR AND PRECISE STYLE, DEVELOP CONFIDENCE AND LEADERSHIP THROUGH LIVE CONDUCTING EXPERIENCES.

MUS-3221 Band Literature **1 Credit**
A SURVEY OF GRADED MATERIALS FOR JUNIOR HIGH AND HIGH SCHOOL BAND AND WIND ENSEMBLES, WITH ATTENTION TO INTERPRETATION AND STYLE IN THE HISTORICAL DEVELOPMENT OF THE LITERATURE, INCLUDING TRANSCRIPTIONS.

MUS-3232 Marching Band Techniques **2 Credits**
FUNDAMENTALS AND ORGANIZATION OF MARCHING BANDS, PRECISION DRILL AND PAGEANTRY, CHARTING AND REHEARSAL PROCEDURES/PROBLEMS, DRILL DESIGN, MUSICAL ANALYSIS AND INTERPRETIVE WRITING, HORN PLACEMENT, TEACHING TECHNIQUES

MUS-3241 Vocal Diction II **1 Credit**
A CONTINUATION OF VOCAL DICTION I, APPLYING THE INTERNATIONAL PHONETIC ALPHABET AND PROPER STAGE DICTION RULES TO GERMAN AND FRENCH LANGUAGES. Required Previous: MUS-1121

MUS-3311 Advanced Class Instruction in Brass Instruments **1 Credit**
CONTINUATION OF 1511. COURSE MAY BE REPEATED ON SAME BASIS AS 1511.

MUS-3321 Choral Literature **1 Credit**
A SURVEY OF GRADED CHORAL LITERATURE OF THE RENAISSANCE THROUGH MODERN PERIODS SUITABLE FOR JUNIOR HIGH AND HIGH SCHOOL GROUPS, WITH ATTENTION TO INTERPRETATION, STYLE, AND DICTION IN THE HISTORICAL DEVELOPMENT OF THE LITERATURE.

MUS-3411 Advanced Class Instruction in Woodwind Instruments **1 Credit**
CONTINUATION OF 1611. COURSE MAY BE REPEATED ON SAME BASIS AS 1511.

MUS-3421 Solo Vocal Literature **1 Credit**
A SURVEY OF GRADED SOLO LITERATURE FOR ALL VOICE RANGES SUITABLE FOR THE JUNIOR HIGH AND HIGH SCHOOL LEVELS, WITH ATTENTION TO INTERPRETATION, STYLE AND DICTION.

MUS-3503 History of Musical Theatre **3 Credits**
A COMPREHENSIVE INTRODUCTION AND CRITICAL STUDY OF THE HISTORY OF AMERICAN MUSICAL THEATRE AND ITS PLACE IN RELATION TO ART, LITERATURE, POLITICS, CUSTOM, AND SOCIETY. RECOGNITION OF STYLES AND FORMS FROM STUDYING AND LISTENING TO EXAMPLES FROM REPRESENTATIVE REPERTOIRE.

MUS-3521 Piano Pedagogy I **1 Credit**
A STUDY OF THE PHILOSOPHICAL APPROACHES FOR PRESENTING MATERIALS IN PIANO INSTRUCTION. STUDENTS EXPLORE THE HISTORICAL DEVELOPMENTS IN KEYBOARD PEDAGOGY, LEARNING THEORY AND COMMUNICATION IN GROUP OR PRIVATE PIANO.

MUS-3602 Private Instruction N-M(instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-3621 Vocal Pedagogy **1 Credit**
AN INTRODUCTION TO THE PEDAGOGY OF SINGING. THE COURSE INCLUDES AN OVERVIEW OF THE FUNDAMENTALS OF VOCAL ACOUSTICS, THE BASIC ANATOMY AND PHYSIOLOGY OF SINGING, THE PROCESS OF BREATHING AND SUPPORT, THE PROCESS OF PHONATION, AND THE PROCESS OF VOWEL PRODUCTION AND ARTICULATION.

MUS-3633 History of Music Through Bach **3 Credits**
A STUDY OF MUSIC FROM THE EARLIEST TIME THROUGH J. S. BACH.

MUS-3643 History of Music Since Bach **3 Credits**
A STUDY OF MUSIC FROM THE END OF THE BAROQUE ERA TO THE PRESENT.

MUS-3721 Piano Accompanying I **1 Credit**
A LECTURE AND DISCUSSION COURSE ANALYZING THE HISTORY OF ACCOMPANIED SOLO AND ENSEMBLE VOCAL MUSIC, PREPARATION AND DISCUSSION OF LITERATURE AND ACQUISITION OF SKILLS IN IMPROVISATION, SCORE READING, TRANSPOSITION AND SIGHT READING.

MUS-3812 Counterpoint **2 Credits**
STUDY BASED ON THE STYLE OF J. S. BACH. PRACTICAL APPLICATION IN THE WRITING OF ORIGINAL CONTRAPUNTAL EXERCISES. CORRELATED EAR TRAINING. Required Previous: MUS-3113

MUS-3831 Instrumental Conducting **1 Credit**
CONTINUATION OF 3211, FOR INSTRUMENTAL MAJORS. Required Previous: MUS-3211

MUS-3851 Advanced Class Instruction in Percussion Instruments **1 Credit**
CONTINUATION OF 1811. COURSE MAY BE REPEATED ON SAME BASIS AS 1511.

MUS-3871 Choral Conducting **1 Credit**
CHORAL EXPERIENCE FROM THE VIEWPOINT OF SINGER AND CONDUCTOR, USING WORKS FROM ALL PERIODS OF WESTERN MUSIC. Required Previous: MUS-3211

MUS-3912 Methods of Teaching Music for Elementary Teachers **2 Credits**
MUSIC EDUCATION PRACTICES RELATING TO ELEMENTARY MUSIC CLASSROOMS, STANDARD MUSIC EDUCATION METHODS, LEARNING THEORIES IN MUSIC EDUCTION, DEVELOPMENT OF LESSON PLANS IN MUSIC, OPPORTUNITIES TO PRESENT LESSONS TO CHILDREN.

MUS-4082 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4113 Musical Form and Analysis **3 Credits**
A SURVEY AND ANALYSIS OF THE PHILOSOPHICAL ELEMENTS OF HISTORICAL ERAS AND APPLICATION OF CONDITIONED RESPONSE AND PROCESSES TO THE STUDENT'S MAJOR.

MUS-4121 Piano Literature II **1 Credit**
AN ANALYTICAL AND HISTORICAL SURVEY OF THE PROMINENT COMPOSERS, WORKS, PIANISTS, COLLECTIONS AND EDITIONS OF PIANO LITERATURE FROM THE ROMANTIC ERA TO THE PRESENT, A STUDY OF 20TH CENTURY TECHNIQUES AND INNOVATIONS.

MUS-4412 Music in the Elementary School **2 Credits**
TEACHING MUSIC IN THE ELEMENTARY GRADES, INCLUDING LEARNING THEORIES AS THEY APPLY TO MUSIC, RATIONALE FOR MUSIC IN PUBLIC EDUCATION VIA MUSICAL HISTORY AND PHILOSOPHY, PRINCIPLE MUSIC METHODOLOGIES, INCLUDING KODALY, AND ORFF.

MUS-4432 Instrumental Music in the School **2 Credits**
PROBLEMS AND METHODS OF TEACHING INSTRUMENTAL CLASSES AND ORGANIZATIONS AT ALL SKILL LEVELS. EMPHASIS ON PEDAGOGY AND REHEARSAL TECHNIQUES.

MUS-4512 Administration of Instrumental Music Programs **2 Credits**
THE STUDY OF ADMINISTRATIVE PROCEDURES OF THE PUBLIC SCHOOL INSTRUMENTAL DIRECTOR.

MUS-4521 Piano Pedagogy II **1 Credit**
A CONTINUATION OF CONCEPTS PRESENTED IN MUS 3521. STUDENTS ARE, IN ADDITION, PROVIDED LABORATORY EXPERIENCE IN THE TEACHING OF PIANO TO CHILDREN AND ADULTS. EMPHASIS IS GIVEN TO THE DEVELOPMENT OF SUCCESSFUL TEACHING STUDIOS.

MUS-4532 Vocal Music in the Secondary School **2 Credits**
TEACHING MUSIC IN THE JUNIOR AND SENIOR HIGH SCHOOLS, INCLUDING BASIC PEDAGOGICAL CONCEPTS, BOTH ANATOMICAL AND PHILOSOPHICAL, GENRES OF SUITABLE LITERATURE, SPECIAL PRODUCTIONS, INCLUDING BUDGETARY CONSIDERATIONS.

MUS-4721 Piano Accompanying II **1 Credit**
A LECTURE AND DISCUSSION COURSE ANALYZING THE HISTORY OF ACCOMPANIEDINSTUMENTAL LITERATURE, PREPARATION AND DISCUSSION OF LITERATURE ANDACQUISITION OF SKILLS IN IMPROVISATION, SCORE READING, TRANSPOSITION AND SIGHT READING.

MUS-4801 Private Instruction (instr) **1 Credit**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4812 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4822 Private Instruction (instr) **2 Credits**
THE STUDY OF SOLO AND INSTRUMENTAL LITERATURE OF DIFFERENT HISTORICAL PERIODS AND STYLES, AND OF DICTION IN ENGLISH, FRENCH, GERMAN, AND ITALIAN.

MUS-4981 Seminar in Music- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4982 Seminar in Music- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4983 Seminar in Music- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4984 Seminar in Music- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4991 Individual Study in Music- 1 Credit
DIRECTED INDIVIDUAL STUDY OF SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

MUS-4992 Individual Study in Music- 2 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4993 Individual Study in Music- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-4994 Individual Study in Music- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

MUS-5313 Music for Elementary Teachers 3 Credits
STUDY AND PRACTICAL APPLICATION OF PROBLEMS INVOLVED IN MUSIC EDUCATION, GRADES 1-6, WITH EMPHASIS ON ACQUIRING SKILLS NECESSARY FOR SUCCESSFUL TEACHING AT ANY GRADE LEVEL. Required Previous: MUS-3912

MUS-5413 Choral Materials 3 Credits
A STUDY OF MATERIALS AND TECHNIQUES USED IN THE ORGANIZATION, TRAINING, AND CONDUCTING OF CHORAL GROUPS IN SECONDARY SCHOOL.

MUS-5513 Advanced Conducting and Score Reading 3 Credits
ANALYSIS OF MATERIALS, PROBLEMS OF ORGANIZATION, AND STUDY OF LITERATURE OF CONDUCTING, BOTH INSTRUMENTAL AND VOCAL, PRACTICE IN SCORE READING AND CONDUCTING. Required Previous: MUS-3211

MUS-5981 Seminar in Music- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5982 Seminar in Music- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5983 Seminar in Music- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5984 Seminar in Music- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

MUS-5991 Individual Study in Music- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-5992 Individual Study in Music- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-5993 Individual Study in Music- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-5994 Individual Study in Music- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) Hours of Music

MUS-A2131 Vocal Ensemble-Oklahomans 1 Credit
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-A2201 Minor Instrument - Harpsichord 1 Credit
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-A2222 Major Instrument - Harpsichord 2 Credits
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-A2311 Instrum Ensmbl-Woodwind Quint **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-A3301 Minor Instrument - Harpsichord **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-A3332 Major Instrument - Harpsichord **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B2201 Minor Instrument - Brass **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B2222 Major Instrument - Brass **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B2311 Instrumental Ensemble - Basketball Band **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-B3301 Minor Instrument - Brass **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-B3332 Major Instrument - Brass **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C2131 Vocal Ensemble-Chamber Singers **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-C2201 Minor Instrument - Percussion **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C2222 Major Instrument - Percussion **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C2311 Instrumental Ensemble-Woodwind Choir **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO ORMORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTERIN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-C3301 Minor Instrument - Percussion **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-C3332 Major Instrument - Percussion **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-D2131 Vocal Ensemble-Univ Chorale **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-D2311 Instrum Ensemble-Brass Choir **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-E2131 Vocal Ensemble-Univ Singers **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-E2311 Instrum Ensemble-Brass Quint **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-F2311 Instrum Ensemble-Wind Choir **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-G2131 Vocal Ensemble-Gospel Choir **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-G2311 Jazz Ensemble II **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-H1000 Honors-Recital Attendance **0 Credits**
A NON-CREDIT COURSE REQUIRED EACH SEMESTER FOR MUSIC MAJORS AND MINORS.THE COURSE PROVIDES LISTENING AND PERFORMANCE OPPORTUNITIES IN FORMAL AND INFORMAL CONCERT SETTINGS.

MUS-H2311 Instrum Ensemble-Percussion **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO OR MORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTER IN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-H3633 Honors-Hist of Mus Throu Bach **3 Credits**
A STUDY OF MUSIC FROM THE EARLIEST TIME THROUGH J. S. BACH

MUS-H3643 Honors-Hist of Music Snc Bach **3 Credits**
A STUDY OF MUSIC FROM THE END OF THE BAROQUE ERA TO THE PRESENT.

MUS-H4113 Honors-Musical Form & Analysis **3 Credits**
A SURVEY AND ANALYSIS OF THE PHILOSOPHICAL APPROACHES TO MUSICAL FORMS, GENRE, AND STYLISTIC ELEMENTS OF HISTORICAL ERAS AND APPLICATION CONDITIONED RESPONSE AND PROCESSES TO THE STUDENT'S MAJOR.

MUS-H4412 Honors-Music in the Elem School **2 Credits**
TEACHING MUSIC IN THE ELEMENTARY GRADES, INCLUDING LEARNING THEORIES AS THEY APPLY TO MUSIC, RATIONALE FOR MUSIC IN PUBLIC EDUCATION VIA MUSICAL HISTORY AND PHILOSOPHY, PRINCIPAL MUSIC METHODOLOGIES, INCLUDING, KODALY, AND ORFF.

MUS-HD2311 Hnrs-Instrumental Ensemble-Brass Choir **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-HO2131 Honors-Vocal Ensemble-Opera **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-HW2222 HONOR-Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-HW3332 HONORS-Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-I2131 Vocal Ensemble-Jazz Instrumental **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-I2311 Sax Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-J2131 Vocal Ensemble-Jazz Singer **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-J2311 Instrum Ensemble-Jazz Improv **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-K2311 Clarinet Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-L2311 Flute Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-O2131 Vocal Ensemble-Opera **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-O2201 Minor Instrument - Organ **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-O2222 Major Instrument - Organ **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-O3301 Minor Instrument - Organ **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-O3332 Major Instrument - Organ **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P1411 Class Piano I (non-Music) **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO OR MORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTER IN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-P2201 Minor Instrument - Piano **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P2222 Major Instrument - Piano **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P3301 Minor Instrument - Piano **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-P3332 Major Instrument - Piano **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-Q2311 Instrumental Ensemble-Color Guard **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-R2201 Minor Instrument- Stringed Instrument **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-R2222 Major Instrument- Stringed Instrument **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-R2311 Instrument Ensemble-Strings **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

MUS-R3301 Minor Instrument- Stringed Instrument **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-R3332 Major Instrument- Stringed Instrument **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-S5981 Seminar- **1 Credit**
ONE SEMESTER HOUR CREDIT FOR ONE HALF-HOUR PRIVATE LESSON OR TWO OR MORE HALF-HOUR CLASS LESSONS, WITH FIVE HOURS OF PRACTICE EXPECTEDPER WEEK FOR A SEMESTER OR EQUIVALENT TIME IN A SHORTER TERM. EXTRA FEES ARE CHARGED FOR INSTRUCTION AND FOR PRACTICE ROOMS(SEE FEE SCHEDULE). THE COURSE NUMBERS ARE PROGRESSIVE BY SEMESTER IN EACH OF THE APPLIED MUSIC AREAS (SEE COURSE SCHEDULE).

MUS-T2131 Voc Ensemble-Music Theatre **1 Credit**
THE STUDY OF CHORAL MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL AND PRACTICE ASPECTS OF VOCAL CHAMBER MUSIC, INCLUDING STAGED PRODUCTIONS.

MUS-V2201 Minor Instrument - Voice **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-V2222 Major Instrument - Voice **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-V3301 Minor Instrument - Voice **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-V3332 Major Instrument - Voice **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W2201 Minor Instrument - Woodwind **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W2222 Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W2311 Winter Guard Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICALCONCEPTS.

MUS-W3301 Minor Instrument - Woodwind **1 Credit**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-W3332 Major Instrument - Woodwind **2 Credits**
PRIVATE INSTRUCTION FOR MAJORS AND MINORS, FIELD OF STUDY IDENTIFIED IN SECTION NUMBER: B - BRASS, C - PERCUSSION, P - PIANO, R - STRINGED INSTRUMENT, V - VOICE, W -WOODWIND. MAY BE REPEATED FOR CREDIT.

MUS-X2311 Instrumental Ensemble-Small Brass Ensemble **1 Credit**
THE DEVELOPMENT OF SKILLS NECESSARY FOR THE TEACHING AND DIRECTING OF CHAMBER MUSIC WITH EMPHASIS ON HISTORICAL, THEORETICAL, AND ACOUSTICAL CONCEPTS.

(MUSED)

MUSED-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(NAS)

NAS-1113 Introduction to Native American Studies **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO THE FIELD OF NATIVE AMERICAN STUDIES, TO HISTORICAL AND CONTEMPORARY INDIAN ISSUES, TO POTENTIAL CAREER OPPORTUNITES WITH INDIAN NATIONS, AND HELPS PREPARE STUDENTS FOR COURSE WORK IN THE NATIVE AMERICAN STUDIES MAJOR AND MINOR. COURSE INCLUDES GUEST PRESENTERS, FILMS, LECTURES, AND DISCUSSIONS.

NAS-2113 Chickasaw Humanities: Comparing Cultures **3 Credits**
A STUDY OF THE THOUGHT AND CULTURE OF THE CHICKASAW NATION (AND OTHER RELEVANT SOUTHEASTERN NATIONS) USING ORAL TRADITION, WRITTEN STUDIES, WORKS OF ART, AND MUSICAL AND DRAMATIC PERFORMANCES. THESE APPROACHES WILL BE COMPARED TO WESTERN HUMANITIES.

NAS-2123 Chickasaw Humanities: Chickasaw Culture **3 Credits**
A STUDY OF THE THOUGHT AND CULTURE OF THE CHICKASAW NATION (AND OTHER RELEVANT SOUTHEASTERN NATIONS) USING ORAL TRADITION, WRITTEN STUDIES, WORKS OF ART, AND MUSICAL AND DRAMATIC PERFORMANCES. THESE APPROACHES WILL BE COMPARED TO OTHER NATIVE AMERICAN TRIBES.

NAS-2881 Special Studies in Native American Studies (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-2882 Special Studies in Native American Studies (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-2883 Special Studies in Native American Studies (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-2884 Special Studies in Native American Studies (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT, PROBLEM, OR TOPIC IN NATIVE AMERICAN STUDIES.

NAS-3003 Tribal Sovereignty & Federal Indian Policy 3 Credits
THIS COURSE IS FORMULATED AND STRUCTURED AS A GENERAL INTRODUCTION FOR STUDENTS TO TRIBAL SOVEREIGNTY AND FEDERAL INDIAN POLICY USING A COMBINATION OF ONLINE LECTURES, PRESENTATION SLIDES, AND READINGS.

NAS-3013 Introduction to Native American Language 3 Credits
GENERAL LINGUISTIC SURVEY OF THE INDIGENOUS LANGUAGES OF NORTH AMERICA THROUGH THE USE OF READINGS, IN-CLASS DISCUSSIONS, VIDEOS, AUDIO, AND COMPLETION OF A WRITTEN LANGUAGE SKETCH.

NAS-4113 Research in Native American Studies 3 Credits
CAPSTONE SEMINAR IN NATIVE AMERICIAN STUDIES. STUDENTS DEVELOP A RESEARCH PROJECT ON AN ISSUE IN NATIVE AMERICAN STUDIES AND DEVELOP A WRITTEN AND ORAL PRESENTATION OF THEIR WORK. Required Previous: 12 hours of Native American Studies

NAS-4223 Internship in Native American Studies 3 Credits
INTERNSHIP WITH AN APPROVED NATIVE AMERICAN PROGRAM. Required Previous: 12 hours of Native American Studies

NAS-4981 Seminar in Native American Studies (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NAS-4982 Seminar in Native American Studies (Subject named in title listing) 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NAS-4983 Seminar in Native American Studies (Subject named in title listing) 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NAS-4984 Seminar in Native American Studies (Subject named in title listing) 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(NRSG)

NRSG-1142 Introduction to Professional Nursing 2 Credits
ORIENTATION TO NURSING WITH A FOCUS ON TODAY'S HEALTHCARE, PROFESSIONALISM, COMMUNICATION AND COLLABORATION. (MAY BE TAKEN PRIOR TO OR UPON ACCEPTANCE TO THE NURSING PROGRAM.)

NRSG-2104 Foundations in Nursing 4 Credits
INTRODUCES FUNDAMENTAL CONCEPTS, SKILLS, AND TECHNIQUES OF NURSING PRACTICE, INCLUDING AN EMPHASIS ON BASIC COGNITIVE, AFFECTIVE, AND PSYCHO-MOTOR SKILLS, PATIENT-CENTERED CARE, AND EVIDENCE-BASED PRACTICE. EMPHASIS ON THE PERFORMANCE AND COMMUNICATION OF CONCEPTS, SKILLS, AND TECHNIQUES WILL BE COVERED IN LABORATORY HOURS. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-2104L Foundations in Nursing Lab 0 Credits
LAB COURSE FOR NRSG 2104

NRSG-2224 Physical Assessment 4 Credits
DEVELOP AND PRACTICE COMMUNICATION SKILLS AND TECHNIQUES OF ASSESSMENT FOR CLIENTS ACROSS THE LIFESPAN. EMPHASIS ON THE PERFORMANCE AND COMMUNICATION OF ASSESSMENTS WILL BE COVERED IN LABORATORY HOURS. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED)

NRSG-2224L Physical Assessment Lab 0 Credits
LAB COURSE FOR NRSG 2224.

NRSG-2881 Special Studies in Nursing- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-2882 Special Studies in Nursing- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-2883 Special Studies in Nursing- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-2884 Special Studies in Nursing- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-3118 Med-Surg Nursing I 8 Credits
LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN. FOCUS WILL BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, INCORPORATING EFFECTIVE USE OF INFORMATICS SYSTEMS, DEVELOPING CRITICAL THINKING SKILLS, PROFESSIONAL NURSING PRACTICE, AND THE FOUNDATIONAL CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTION ACROSS THE CONTINUUM. LABORATORY /CLINICAL TIME REQUIRED AS WELL AS TRAVEL. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3118L Med-Surg Nursing I Lab 0 Credits
LAB COURSE FOR NRSG 3118.

NRSG-3193 Pharmacology I **3 Credits**
INTRODUCTION TO THE TERMS, CONCEPTS, AND PHYSIOLOGICAL PRINCIPLES UNDERLYING THE USE OF PHARMACOLOGICAL AGENTS TO PROMOTE SAFETY AND HIGH-QUALITY CARE. STUDENTS WILL LEARN CLASSES OF COMMONLY USED PHARMACOLOGICAL AGENTS INCLUDING MODES OF ACTION, USUAL DOSAGES, CONTRAINDICATIONS, ADVERSE EFFECTS AND NURSING MANAGEMENT OF CLIENTS RECEIVING MEDICATIONS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3218 Med-Surg Nursing II **8 Credits**
THIS IS A CONTINUATION OF NRSG 3118. LECTURE WILL INCLUDE TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN. WITH INCREASED COMPLEXITY, CONTINUED FOCUS WILL BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, EFFECTIVE USE OF INFORMATICS SYSTEMS, INCREASING THE DEVELOPMENT OF CRITICAL THING SKILLS, ALONG WITH PRIORITIZATION AND DELEGATION, PROFESSIONAL NURSING PRACTICE, AND THE CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTION ACROSS THE CONTINUUM. LABORATORY/CLINICAL TIME REQUIRED.

NRSG-3218L Med-Surg Nursing II Lab **0 Credits**
LAB COURSE FOR NRSG 3218.

NRSG-3223 Health Assessment **3 Credits**
SKILLS AND TECHNIQUES OF INTERVIEWING AND OBTAINING HEALTH HISTORY AND MEDICATION KNOWLEDGE FOR VARYING POPULATIONS WILL BE ASSESSED. PHYSICAL ASSESSMENT TECHNIQUES, CLINICAL REASONING, AND DOCUMENTING WITH INFORMATICS WILL BE EMPHASIZED. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER SIMULATED LABS. (THIS COURSE SHOULD BE TAKEN THE 1ST TERM OF THE NURSING PROGRAM.)(FULL ACCEPTANCE TO THE NURSING

NRSG-3333 Contemporary Professional Nursing **3 Credits**
COURSE FOCUSES ON THE APPLICATION OF NURSING THEORY TO THE DEVELOPMENT OF NURSING DIAGNOSIS AND UTILIZATION OF THE NURSING PROCESS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3393 Pharmacology II **3 Credits**
CONTINUATION OF NRSG 3193. STUDENTS WILL APPLY TERMS, CONCEPTS, AND PHYSIOLOGICAL PRINCIPLES UNDERLYING THE USE OF PHARMACOLOGICAL AGENTS, PROMOTING SAFETY AND HIGH-QUALITY CARE. THE EVALUATION OF COMMONLY USED PHARMACOLOGICAL AGENTS INCLUDING MODES OF ACTION, USUAL DOSAGES, CONTRAINDICATIONS, ADVERSE EFFECTS, AND NURSING MANAGEMENT OF CLIENTS RECEIVING MEDICATION WILL BE CONTINUED. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-3883 Nursing Research **3 Credits**
INTRODUCTION TO THE RESEARCH PROCESS AND EVIDENCE-BASED PRACTICE (EBP). EMPHASIS IS PLACED ON CRITICAL THINKING, IDENTIFYING AND USING NURSING RESEARCH IN PRACTICE (EBP), EFFECTIVE USE OF INFORMATICS, AS WELL AS COMMUNICATING AND COLLABORATING REGARDING BEST PRACTICE. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-3893 Nursing Research an Evidence Based Practice **3 Credits**
THIS COURSE WILL FOCUS ON THE RESEARCH PROCESS AS WELL AS EVIDENCE-BASED PRACTICE (EBP). EMPHASIS IS ON IDENTIFYING, REVIEWING, AND IMPLEMENTING RESEARCH IN NURSING PRACTICE (EBP), THE USE OF INFORMATICS, AND COMMUNICATION AND COLLABORATION IN NURSING RESEARCH. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM.)

NRSG-4113 LPN Transitions **3 Credits**
FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED. MUST BE A LICENSED LPN IN THE STATE OF OKLAHOMA, OR WITH A MULTI-STATE LICENSE EDUCATED IN OKLAHOMA. THIS COURSE PREPARES THE LICENSED PRACTICAL NURSE TO PERFORM AS A REGISTERED NURSE BY EXPANDING THE LPN KNOWLEDGE BASE AND EXPLORING THE SCOPE OF PRACTICE OF THE RN. THE COURSE BEGINS WITH A REVIEW OF NURSING PROCESS, COMMUNICATION, CLIENT TEACHING, AND CRITICAL THINKING AND INTRODUCES HIGHER LEVELS OF COGNITION INCLUDING CLINICAL REASONING AND

NRSG-4164 Nursing-Childbearing Family **4 Credits**
A COMPREHENSIVE APPROACH TO FAMILY NURSING WITH AN EMPHASIS ON CLIENT-CENTERED CARE, EVIDENCE-BASED PRACTICE, PRIORITIZATION, COMMUNICATION AND COLLABORATION. CLINICAL WILL FOCUS ON CULTIVATING CRITICAL THINKING SKILLS AND APPLYING PROFESSIONAL NURSING PRACTICE. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-4164L Nursing-Childbearing Family Lab **0 Credits**
LAB COURSE FOR NRSG 4165.

NRSG-4214 Psychiatric-Mental Health Nursing **4 Credits**
FOCUSES ON BEHAVIORAL AND PSYCHO-DYNAMIC CONCEPTS AND THEORIES, TOGETHER WITH THEIR APPLICATIONS, AND THE THERAPEUTIC USE OF SELF TO MODIFY EMOTIONAL AND/OR PSYCHIATRIC DISEQUILIBRIUM AND PROMOTE MENTAL HEALTH IN INDIVIDUALS, FAMILIES AND COMMUNITIES. CULTIVATES CRITICAL THINKING AND PROFESSIONAL PRACTICE. LABORATORY/CLINICAL HOURS AND TRAVEL REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4214L Psychiatric-Mental Health Nurse Lab **0 Credits**
LAB COURSE FOR NRSG 4214.

NRSG-4283 Community Health Nursing **3 Credits**
FOCUS ON PRINCIPLES AND PRACTICES OF COMMUNITY HEALTH NURSING AS APPLIED TO HEALTH PROMOTION AND THE DISEASE PREVENTION NEEDS OF INDIVIDUALS, FAMILIES, AND COMMUNITIES IN VARIOUS SETTINGS AND ACROSS THE CONTINUUM OF HEALTH CARE ENVIRONMENTS FROM LOCAL TO GLOBAL PERSPECTIVES. LECTURE AND LABORATORY/ CLINICAL TIME REQUIRED. TRAVEL ALSO REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.

NRSG-4283L Community Health Nursing Lab **0 Credits**
LAB COURSE FOR NRSG 4283.

NRSG-4375 Med-Surg Nursing III **5 Credits**
THIS IS A CONTINUATION OF NRSG 3118 & NRSG 3218. LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN IN ACUTE AND CHRONIC HEALTH SITUATIONS. WITH INCREASED COMPLEXITY, CONTINUED FOCUS WILL T BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, EFFECTIVE USE OF INFORMATICS SYSTEMS, CONTINUED DEVELOPMENT OF CRITICAL THINKING SKILLS, AND INCREASED FOCUS ON PRIORITIZATION AND DELEGATION, PROFESSIONAL NURSING PRACTICE, AND THE CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTI

NRSG-4375L Med-Surg Nursing III Lab **0 Credits**
LAB COURSE FOR NRSG 4374.

NRSG-4382 Concepts in Leadership and Management **2 Credits**
FOCUS ON PRINCIPLES RELATED TO PROFESSIONAL NURSING CONCEPTS AND PRACTICE THROUGH VARIOUS METHODS, LEADERSHIP APPLICATIONS, PRIORITIZATION, DELEGATION PRINCIPLES, AND EFFECTIVELY USING COMMUNICATION WHEN WORKING ON INTERDISCIPLINARY TEAMS. CRITICAL THINKING AND EVIDENCE-BASED PRACTICE IS EMPHASIZED TO PROMOTE A CULTURE OF SAFETY AND CONTINUOUS QUALITY IMPROVEMENT. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4382L Concepts in Leadership and Management Lab **0 Credits**
LAB COURSE FOR NRSG 4383.

NRSG-4513 Prioritization & Critical Thinking **3 Credits**
FOCUS ON SYNTHESIZING KNOWLEDGE INTO CRITICAL THINKING, PRIORITIZATION, AND APPLICATION OF THE STANDARDS OF NURSING PRACTICE TO CARE OF CLIENTS ACROSS THE HEALTHCARE CONTINUUM. STUDENTS WILL USE INFORMATICS AND EVIDENCE-BASED PRACTICE TO ANALYZE CLIENT DATA AND IMPROVE HEALTH-RELATED OUTCOMES IN DIVERSE POPULATIONS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4513L Prioritization & Critical Thinking Lab **0 Credits**
LAB COURSE FOR NRSG 4513.

NRSG-4617 Advanced Nursing Concepts I **7 Credits**
THE COURSE FOCUSES ON THE PROCESSES AND PROBLEMS OF AGING APPLIED TO OLDER ADULTS IN ACUTE CARE AND COMMUNITY SETTINGS. A MAJOR FOCUS IS APPLYING QSEN CONEPTS TO ACUTE OR CHRONIC CLIENT HEALTH SITUATIONS, IDENTIFYING AT RISK OLDER ADULTS, AND DEVELOPING, EVALUATING AND MODIFYING INTERVENTIONS. COMMUNITY HEALTH NURSING CONCEPTS FROM DIVERSE RURAL TO GLOBAL PERSPECTIVES ARE APPLIED. CLASSROOM, ONLINE AND CLINICAL HOURS. TRAVEL REQUIRED. Required Previous: NRSG-3223 grade of a C or higher

NRSG-4629 Advanced Nursing Concepts II **9 Credits**
EMPHASIS IS ON APPLYING CURRENT LEADERSHIP AND MANAGEMENT CONCEPTS TO DIVERSE HEALTH CARE AND NURSING PRACTICE SETTINGS. COMMUNICATION AND COLLABORATION, CRITICAL THINKING, EVIDENCE BASED PRACTCE AND INFORMATICS ARE APPLIED TO COMPLEX CLINICAL SITUATIONS. CLIENTS WITH COMPLEX MULTISYSTEM PROBLEMS ARE ANALYZED. CLASSROOM, ONLINE AND CLINICAL HOURS. TRAVEL REQUIRED. Required Previous: Grade of a C or higher in NRSG-3223.

NRSG-4633 Advanced Nursing Concepts: Aging **3 Credits**
FOCUSES ON THE PROCESSES AND PROBLEMS OF AGING APPLIED TO OLDER ADULTS IN ACUTE CARE AND COMMUNITY SETTINGS. USE OF QSEN CONCEPTS APPLIED TO ACUTE OR CHRONIC CLIENT HEALTH SITUATIONS, IDENTIFYING AT RISK OLDER ADULTS, AND DEVELOPING, EVALUATING, AND MODIFYING INTERVENTIONS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4644 Community & Public Health Nursing **4 Credits**
INCLUDES APPLYING COMMUNITY AND PUBLIC HEALTH NURSING CONCEPTS FROM VULNERABLE POPULATIONS, DIVERSE RURAL POPULATIONS, AND GLOBAL PERSPECTIVES. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4654 Advanced Nursing Concepts: Critical Care **4 Credits**
FOCUSES ON SYNTHESIS AND APPLICATION OF STANDARDS OF NURSING PRACTICE TO CARE OF CLIENTS WITH MULTIPLE COMPLEX ADAPTATIONAL ALTERATIONS. INFORMATICS, AND EVIDENCE-BASED PRACTICE WILL BE USED TO ANALYZE CLIENT DATA TO PROMOTE IMPROVED HEALTH RELATED OUTCOMES IN DIVERSE POPULATIONS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-4665 Leadership and Management in Nursing **5 Credits**
EMPHASIS IS ON APPLYING CURRENT LEADERSHIP AND MANAGEMENT CONCEPTS TO DIVERSE HEALTH CARE AND NURSING PRACTICE SETTINGS. TEAMWORK, COMMUNICATION, COLLABORATION, CLINICAL REASONING, CRITICAL THINKING, EVIDENCE-BASED PRACTICE, AND INFORMATICS ARE APPLIED TO BOTH ROUTINE AND COMPLEX SITUATIONS TO PROMOTE A CULTURE OF SAFETY AND CONTINUOUS QUALITY IMPROVEMENT. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COM

NRSG-4673 Healthcare Communications **3 Credits**
DEPARTMENTAL APPROVAL; DESIGNED TO COVER THE BROAD TOPICS REGARDING HEALTHCARE AND COMMUNICATION, AND HOW VARIOUS COMMUNICATION CONTEXTS AND PROCESSES IMPACT HEALTHCARE, AS WELL AS LEARNING TO USE INTEGRATION METHODS. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS.

NRSG-4683 Current Topics in Nursing **3 Credits**
DEPARTMENTAL APPROVAL; DESIGNED TO IDENTIFY AND EXAMINE CURRENT ISSUES AFFECTING THE NURSING PROFESSION. TOPICS WILL VARY DEPENDENT UPON CURRENT ISSUES. ASYNCHRONOUS ONLINE DELIVERY OF COURSE WORK MAY INCLUDE BUT IS NOT LIMITED TO: ASSIGNMENTS, DISCUSSIONS, APA FORMAT PORTFOLIO PAPERS, AND COMPUTER-SIMULATED LABS.

NRSG-4954 Transition to Professional Practice **4 Credits**
CAPSTONE COURSE THAT FACILITATES EXPLORATION OF ETHICAL, LEGAL, AND SOCIAL ASPECTS OF NURSING PRACTICE. FOCUS IS ON THE STUDENT PROGRESSION TO THE PROFESSIONAL NURSE ROLE. CLINICAL PRECEPTORSHIP AND TRAVEL REQUIRED. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-4981 Seminar in Nursing- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL TOPICS OR PROBLEMS PERTINENT TO NURSING.

NRSG-4982 Seminar in Nursing- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. Required Concurrent: NRSG-4982L taken concurrently

NRSG-4982L Seminar Lab **0 Credits**
LAB COURSE FOR NRSG 4982.

NRSG-4983 Seminar in Nursing- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM. Required Concurrent: NRSG-4983L taken concurrently

NRSG-4984 Seminar in Nursing- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-4985 Seminar in Nursing- **5 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

NRSG-4991 Individual Study in Nursing- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-4992 Individual Study in Nursing- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-4993 Individual Study in Nursing- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-4994 Individual Study in Nursing- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL NURSING SUBJECT OR PROBLEM.

NRSG-5981 Seminar in Nursing- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-5982 Seminar in Nursing- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-5983 Seminar in Nursing- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-5984 Seminar in Nursing- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

NRSG-H3118 Honors-Child-Adult Nursing I **8 Credits**
LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS FROM CHILDHOOD TO ADULTHOOD WHO HAVE METABOLIC, IMMUNOLOGIC, ONCOLOGIC, NEUROMUSCULAR, INTEGUMENTARY, AND UPPER RESPIRATORY PROBLEMS. CLINICAL WILL FOCUS ON CLIENT-CENTERED CARE, COMMUNICATION AND COLLABORATION, INFORMATICS, EVIDENCE-BASED PRACTICE, AND QUALITY AND SAFETY CONCEPTS APPLIED TO INDIVIDUAL MEDICAL-SURGICAL CLIENTS. TRAVEL REQUIRED.

NRSG-H3218 Honors-Child-Adult Nursing II **8 Credits**
LECTURE WILL COVER TOPICS RELATED TO NURSING CARE OF CHILDREN AND ADULTS WHO HAVE OXYGENATION, METABOLIC, AND ELIMINATION PROBLEMS. CLINICAL EXPERIENCE FOCUS ON CLIENT-CENTERED CARE, COMMUNICATION AND COLLABORATION, INFORMATICS, EVIDENCE-BASED PRACTICE AND QUALITY AND SAFETY CONCEPTS APPLIED TO COMPLEX CLIENTS AND TEAM NURSING. TRAVEL REQUIRED. Required Previous: NRSG-3118 grade of a C or higher

NRSG-H4164 Honors-Nursing-Childbearing Family **4 Credits**
A COMPREHENSIVE APPROACH TO FAMILY NURSING WITH AN EMPHASIS ON CLIENT-CENTERED CARE, EVIDENCE-BASED PRACTICE, PRIORITIZATION, COMMUNICATION AND COLLABORATION. CLINICAL WILL FOCUS ON CULTIVATING CRITICAL THINKING SKILLS AND APPLYING PROFESSIONAL NURSING PRACTICE. (FULL ACCEPTANCE INTO THE NURSING PROGRAM REQUIRED.)

NRSG-H4214 Honors-Psychiatric Mental Health Nursing **4 Credits**
FOCUSES ON BEHAVIORAL AND PSYCHO-DYNAMIC CONCEPTS AND THEORIES, TOGETHER WITH THEIR APPLICATIONS, AND THE THERAPEUTIC USE OF SELF TO MODIFY EMOTIONAL AND/OR PSYCHIATRIC DISEQUILIBRIUM AND PROMOTE MENTAL HEALTH IN INDIVIDUALS, FAMILIES AND COMMUNITIES. CULTIVATES CRITICAL THINKING AND PROFESSIONAL PRACTICE. LABORATORY/CLINICAL HOURS AND TRAVEL REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.)

NRSG-H4283 Honors-Community Health Nursing **3 Credits**
FOCUS ON PRINCIPLES AND PRACTICES OF COMMUNITY HEALTH NURSING AS APPLIED TO HEALTH PROMOTION AND THE DISEASE PREVENTION NEEDS OF INDIVIDUALS, FAMILIES, AND COMMUNITIES IN VARIOUS SETTINGS AND ACROSS THE CONTINUUM OF HEALTH CARE ENVIRONMENTS FROM LOCAL TO

GLOBAL PERSPECTIVES. LECTURE AND LABORATORY/ CLINICAL TIME REQUIRED. TRAVEL ALSO REQUIRED. (FULL ACCEPTANCE TO THE NURSING PROGRAM REQUIRED.

NRSG-H4375 Honors-Med-Surg Nursing III **5 Credits**
THIS IS A CONTINUATION OF NRSG 3118 & NRSG 3218. LECTURE WILL COVER TOPICS RELATED TO NURSING CARE FOR CLIENTS ACROSS THE LIFESPAN IN ACUTE AND CHRONIC HEALTH SITUATIONS. WITH INCREASED COMPLEXITY, CONTINUED FOCUS WILL T BE ON SAFE, HIGH-QUALITY, CLIENT-CENTERED CARE, EFFECTIVE USE OF INFORMATICS SYSTEMS, CONTINUED DEVELOPMENT OF CRITICAL THINKING SKILLS, AND INCREASED FOCUS ON PRIORITIZATION AND DELEGATION, PROFESSIONAL NURSING PRACTICE, AND THE CONCEPTS OF HEALTH PROMOTION AND DISEASE PREVENTI

(PHIL)

PHIL-2003 Being, Knowing, Doing: Intro to Phil Philosophy **3 Credits**
THIS SURVEY OF PHILOSOPHY ACQUAINTS STUDENTS WITH FIGURES AND WORKS IN THE DISCIPLINE RANGING FROM THE ANCIENT PERIOD TO THE PRESENT. IT RELATES FIGURES AND WORKS BY DEMONSTRATING THE WAY IN WHICH THEORIES REGARDING THE ULTIMATE NATURE OF REALITY (METAPHYSICS) INFLUENCE THEORIES OF KNOWLEDGE (EPISTEMOLOGY) AND THEORIES OF PERSONAL AND SOCIAL CONDUCT (ETHICS).

PHIL-2013 Faith, Freedom, Fate: Intro to Philosoph To Philosophy of Religion **3 Credits**
THIS CLASS PROVIDES STUDENTS WITH AN INTRODUCTION TO PHILOSOPHY AND TO THE PHILOSOPHY OF RELIGION. THE PHILOSOPHY OF RELIGION CONSIDERS THE NATURE OF RELIGIOUS EXPERIENCE AND CLASSIC AND CONTEMPORARY ARGUMENTS FOR TRADITIONAL ARTICLES OF FAITH. THE COURSE EXAMINES RELIGIOUS PHENOMENON, SUCH AS PRAYER, AS WELL AS CLASSICAL WORKS WHERE PHILOSOPHY HAS BEEN EMPLOYED TO ACHIEVE RELIGIOUS ENDS.

PHIL-2023 Self, Society, Justice: Intro to Philoso To Social Philosophy and Ethics **3 Credits**
THIS CLASS PROVIDES STUDENTS WITH AN INTRODUCTION TO SIGNIFICANT AREAS IN PHILOSOPHY INCLUDING IDENTITY THEORY, SOCIAL AND POLITICAL THEORY, AND MORAL PHILOSOPHY. DRAWING FROM CLASSICAL TO CONTEMPORARY SOURCES, IT ENGAGES DEEPLY PHILOSOPHICAL QUESTIONS, INCLUDING: WHO AM I WHO ARE WE AND HOW SHOULD WE LIVE TOGETHER

PHIL-2033 Truth, Goodness, Beauty: Intro to Philos Introduction to the Philosophy of Art **3 Credits**
THIS COURSE IS AN INTRODUCTION TO THE PHILOSOPHY OF ART OR AESTHETICS. AESTHETICS REFERS TO THE PHILOSOPHIC DISCIPLINE THAT STUDIES THINGS ASSOCIATED WITH TASTE, MOST NOTABLY ART. READINGS INCLUDE WORKS FROM PROMINENT FIGURES IN AESTHETICS RANGING FROM CLASSIC FIGURES SUCH AS PLATO TO CONTEMPORARY FIGURES SUCH AS MARTHA NUSSBAUM.

PHIL-4981 Seminar in Philosophy **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4982 Seminar in Philosophy **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4983 Seminar in Philosophy **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4984 Seminar in Philosophy **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4991 Individual Study in Philosophy **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4992 Individual Study in Philosophy **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4993 Individual Study in Philosophy **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHIL-4994 Individual Study in Philosophy **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

(PHSCI)

PHSCI-0001 Concepts in Natural Sciences Supplement **1 Credit**
A LECTURE/LAB COURSE WITH A FOCUS ON THE DEVELOPMENT OF AN UNDERSTANDING OF FUNDAMENTAL CONCEPTS IN THE NATURAL SCIENCES, WHICH INCLUDE LIFE SCIENCE AND PHYSICAL SCIENCE. THIS COURSE IS DESIGNED AS A SUPPLEMENT COURSE TO BE TAKEN BY STUDENTS TO COMPLETE THEIR COLLEGE ENTRANCE REQUIREMENTS, AND SHOULD ACCOMPANY ONE OF THE GENERAL EDUCATION SCIENCE COURSES IN THE BIOLOGY AND ENVIRONMENTAL SCIENCES OR PHYSICAL SCIENCES DEPARTMENT. TOPICS INCLUDE THE SCIENTIFIC METHOD, DEPENDENT AND INDEPENDENT VARI

PHSCI-1114 General Physical Science **4 Credits**
STUDENT PARTICIPATION ORIENTED LECTURE-LABORATORY COURSE DESIGNED TO ASSIST THE STUDENT IN INTERPRETING THE PHYSICAL ENVIRONMENT. A STUDY OF IMPORTANT TOPICS IN PHYSICS, CHEMISTRY AND ASTRONOMY. THIS COURSE DOES NOT APPLY ON MAJOR OR MINOR IN PHYSICS OR CHEMISTRY, AND IS NOT DESIGNED TO BE TAKEN BY STUDENTS WHO WILL COMPLETE COURSES IN THESE FIELDS. Required Previous or Concurrent: Must remediate science deficiency by completing PHSCI-0123 or PHSCI-0001 at the same time as the 1000-level science course or passing placement test.

PHSCI-1114L General Physical Science Lab **0 Credits**
LAB COURSE FOR PHSCI 1114.

PHSCI-4013 Methods of Teaching the Physical Sciences **3 Credits**
PHILOSOPHY, METHODOLOGY AND RESOURCES FOR TEACHING HIGH SCHOOL CHEMISTRY AND PHYSICS.

(PHYED)

PHYED-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(PHYS)

PHYS-1114 General Physics I **4 Credits**
BEGINNING COURSE IN MECHANICS AND THERMODYNAMICS. 3 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1114 AND PHYS 2115.) Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

PHYS-1114L General Physics I Lab **0 Credits**
LAB COURSE FOR PHYS 1114. Required Previous: Must remediate science deficiency by completing PHSCI-0123 or passing placement test.

PHYS-1214 General Physics II **4 Credits**
BEGINNING COURSE IN ELECTRICITY, MAGNETISM, WAVES AND SOUND, AND OPTICS. 3 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1214 AND PHYS 2225.) Required Previous: PHYS-1114

PHYS-1214L General Physics II Lab **0 Credits**
LAB COURSE FOR PHYS 1214. Required Previous: PHYS-1114

PHYS-1314 Astronomy **4 Credits**
A NON-MATHEMATICAL TREATMENT OF INTRODUCTORY ASTRONOMY. TOPICS OF INTEREST INCLUDE A STUDY OF THE CONSTELLATIONS, THEORIES OF PLANETARY MOTION, THEORIES OF EVOLUTION OF THE UNIVERSE, AND SUCH EXTRAGALACTIC OBJECTS AS NEBULAE, STAR CLUSTERS, VARIABLE STARS, BINARY STARS AND QUASISTELLAROBJECTS. LABORATORY WORK INCLUDED. Required Previous or Concurrent: Must remediate science deficiency by completing PHSCI-0123 or PHSCI-0001 at the same time as the 1000-level science course or passing placement test.

PHYS-1314L Astronomy Laboratory **0 Credits**
LAB COURSE FOR PHYS 1314. Required Concurrent: Take PHYS-1314

PHYS-2115 Engineering Physics I **5 Credits**
VECTORS, KINEMATICS AND DYNAMICS OF PARTICLES, WORK AND ENERGY SYSTEMS OF PARTICLES, ROTATIONAL KINEMATICS AND DYNAMICS, GRAVITATION, FLUID MECHANICS AND HEAT. 4 HOURS LECTURE, 2 HOURS LABORATORY. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1114 AND PHYS 2115) Required Previous: MATH-2825

PHYS-2115L Engineering Physics I Lab **0 Credits**
LAB COURSE FOR PHYS 2115. Required Previous: MATH-2825

PHYS-2225 Engineering Physics II **5 Credits**
THERMODYNAMICS, VIBRATIONS, WAVES AND SOUND, ELECTRICITY, MAGNETISM, OPTICS, AND RADIOACTIVITY. 4 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1214 AND PHYS 2225.) Required Previous: MATH-3025

PHYS-2225L Engineering Physics II Lab **0 Credits**
LAB COURSE FOR PHYS 2225.

PHYS-2812 Calculus Applications in Physics **2 Credits**
APPLICATIONS OF DIFFERENTIAL AND INTEGRAL CALCULUS TO SELECTED TOPICS IN MECHANICS, THERMODYNAMICS, WAVES, ELECTRICITY, AND MAGNETISM. Required Previous: PHYS-1114

PHYS-2881 Special Studies in Physics- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-2882 Special Studies in Physics- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-2883 Special Studies in Physics- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-2884 Special Studies in Physics- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-3013 Modern Physics **3 Credits**
THE QUANTUM THEORY, BORH'S THEORY OF THE HYDROGEN ATOM, EINSTEIN'S THEORY OF RELATIVITY. Required Previous: PHYS-2225

PHYS-3113 Mechanics I **3 Credits**
LINEAR MOTION, MOMENTUM, POTENTIAL THEORY, CONSERVATIVE FORCES. Required Previous: PHYS-2115

PHYS-3123 Mechanics II **3 Credits**
LANGRANGIAN AND HAMILTONIAN MECHANICS. Required Previous: PHYS-3113

PHYS-3213 Basic Electronics **3 Credits**
AN INTRODUCTORY COURSE IN ELECTRONICS WHICH COVERS SUCH TOPICS AS DIGITAL ELECTRONICS, CIRCUIT THEORY, SOLID STATE THEORY, COMMONLY USED INTEGRATED CIRCUITS, ANALOG TO DIGITAL CONVERSION, MICROPROCESSOR BASICS, AND POWER SUPPLIES. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3221 Basic Electronics Laboratory **1 Credit**
BASIC EXPERIMENTS IN ANALOG AND DIGITAL ELECTRONICS TO ACCOMPANY PHYS 3213 BASIC ELECTRONICS. Required Previous or Concurrent: Take PHYS-3213

PHYS-3222 Medical Physics **2 Credits**
INTENDED FOR THOSE INTERESTED IN MEDICAL PHYSICS, RADIOLOGY, PRE-MEDICINE, AND BIOLOGY. INTRODUCTION TO X-RAYS, MAGNETIC RESONANCE IMAGING, COMPUTED TOMOGRAPHY, ULTRASOUND, NUCLEAR MEDICINE, GAMMA KNIFE, RADIATION THERAPY, RADIOISOTOPES, AND BRACHYTHERAPY. VARIOUS CAREERS IN MEDICAL PHYSICS AND MEDICINE WILL ALSO BE EXAMINED AS WELL AS THE PREPARATION REQUIRED IN THESE FIELDS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3412 Junior Physics Laboratory **2 Credits**
ADVANCED EXPERIMENTS IN CLASSICAL AND MODERN PHYSICS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3511 Junior Physics Laboratory **1 Credit**
PRINCIPALLY ELECTRICITY AND LIGHT, VARIED AS NECESSARY. OPEN TO UNDERGRADUATES ONLY. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3611 Ultrasound Physics Laboratory **1 Credit**
LABORATORY COURSE IN ULTRASOUND PHYSICS WHICH COVERS GENERAL DESIGN AND FUNCTION OF TRANSDUCERS, ECHO SIGNAL DESCRIPTION, MEASURING DEPTH IN TIME, DEPTH, BUILD, AND MOTION MODES, FOURIER TRANSFORM CALCULATIONS OF FREQUENCY, EFFECTS OF SOUND IN VARIOUS MEDIA, CALCULATION OF VARIOUS PROPERTIES OF MATTER USING SOUNDWAVES, USE OF PHANTOMS IN IMAGING, PROPAGATION OF SOUND IN MATTER, USE OF CONTINUOUS AND PULSED WAVE TRANSDUCERS, AND DELIVERY OF ENERGY VIA SOUND WAVES. Required Previous: PHYS-1214 or PHYS-2225

PHYS-3713 Thermodynamics **3 Credits**
PROPERTIES OF SUBSTANCES AND PRINCIPLES GOVERNING CHANGES IN FORM OF ENERGY. FIRST AND SECOND LAWS. Required Previous: PHYS-2225

PHYS-3813 Optics **3 Credits**
GEOMETRICAL AND PHYSICAL OPTICS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-4113 Electricity & Magnetism-Field Theory **3 Credits**
ELECTRIC AND MAGNETIC FIELDS. GAUSS'S THEOREM, POTENTIAL THEORY, MAXWELL'S EQUATIONS. Required Previous: PHYS-2225

PHYS-4222 X-Ray and Nuclear Physics Laboratory **2 Credits**
COURSE INVOLVES LABORATORY EXPERIENCE IN THE STUDY OF GAMMA SPECTROSCOPY USING A NAI DETECTOR, X-RAY DIFFRACTION STUDIES, AND OTHER NUCLEAR PHYSICS TOPICS. Required Previous: PHYS-3013

PHYS-4313 Introduction to Nuclear Physics **3 Credits**
NUCLEAR DISINTEGRATIONS, NUCLEAR STRUCTURE, NEUTRON PHYSICS. Required Previous: PHYS-3013

PHYS-4413 Advanced Electronics **3 Credits**
A CONTINUATION OF THE TOPICS INTRODUCED IN PHYS 3213 BASIC ELECTRONICS. Required Previous: PHYS-4113

PHYS-4513 Quantum Mechanics **3 Credits**
THE SCHRODINGER EQUATION, ITS STATISTICAL INTERPRETATION, PHYSICAL MEANING OF QUANTUM MECHANICS. Required Previous: PHYS-3013

PHYS-4713 Mathematical Physics **3 Credits**
FUNCTIONS OF A REAL VARIABLE, ELLIPTIC FUNCTIONS, BESSEL FUNCTIONS, THEORY OF INTEGRATION, FOURIER SERIES AND THE LAPLACE TRANSFORM. Required Previous: PHYS-3113

PHYS-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4993 Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-4994 Individual Studies- 4 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-5214 Theoretical Mechanics 4 Credits
THE HAMILTONIAN EQUATIONS, LAGRANGE'S FORMULATION, CANONICAL TRANSFORMATIONS AND RELATIVITY MECHANICS. Required Previous: PHYS-3123

PHYS-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Twelve (12) hours of Physics

PHYS-H1314 Honors-Astronomy 4 Credits
A NON-MATHEMATICAL TREATMENT OF INTRODUCTORY ASTRONOMY. TOPICS OF INTEREST INCLUDE A STUDY OF THE CONSTELLATIONS, THEORIES OF PLANETARY MOTION, THEORIES OF EVOLUTION OF THE UNIVERSE, AND SUCH EXTRAGALACTIC OBJECTS AS NEBULAE, STAR CLUSTERS, VARIABLE STARS, BINARY STARS AND QUASISTELLAR OBJECTS. LABORATORY WORK INCLUDED.

PHYS-H2225 Honors-Engineering Physics II 5 Credits
THERMODYNAMICS, VIBRATIONS, WAVES AND SOUND, ELECTRICITY, MAGNETISM, OPTICS, AND RADIOACTIVITY. 4 HOURS LECTURE, 2 HOURS LAB. (NOTE: DEGREE CREDIT NOT ALLOWED IN BOTH PHYS 1214 AND PHYS 2225.) Required Previous: MATH-3025

PHYS-H3013 Honors-Modern Physics 3 Credits
THE QUANTUM THEORY, BORH'S THEORY OF THE HYDROGEN ATOM, EINSTEIN'S THEORY OF RELATIVITY. Required Previous: PHYS-2225

PHYS-H3123 Honors-Mechanics II 3 Credits
LANGRANGIAN AND HAMILTONIAN MECHANICS Required Previous: PHYS-3113

PHYS-H3213 Honors-Basic Electronics 3 Credits
AN INTRODUCTORY COURSE IN ELECTRONICS WHICH COVERS SUCH TOPICS AS DIGITAL ELECTRONICS, CIRCUIT THEORY, SOLID STATE THEORY, COMMONLY USED INTEGRATED CIRCUITS, ANALOG TO DIGITAL CONVERSION, MICROPROCESSOR BASICS, AND POWER SUPPLIES. Required Previous: PHYS-1214 or PHYS-2225

PHYS-H3813 Honors- Optics 3 Credits
GEOMETRICAL AND PHYSICAL OPTICS. Required Previous: PHYS-1214 or PHYS-2225

PHYS-H4113 Honors-Electricity & Magnetism-Fld Theor y 3 Credits
ELECTRIC AND MAGNETIC FIELDS. GAUSS'S THEOREM, POTENTIAL THEORY, MAXWELL'S EQUATIONS. Required Previous: PHYS-2225

PHYS-H4313 Honors-Introduction to Nuclear Physics 3 Credits
NUCLEAR DISINTEGRATIONS, NUCLEAR STRUCTURE, NEUTRON PHYSICS. Required Previous: PHYS-3013

PHYS-H4991 Honors-Individual Studies- 1 Credit
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-H4993 Honors-Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-S4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PHYS-S5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-S5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PHYS-S5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(PS)

PS-1113 US Government **3 Credits**
ORIGIN, ORGANIZATION, FORM, FUNCTIONS AND FUNCTIONING OF THE U.S. GOVERNMENT, INCLUDING POLITICAL PARTIES.

PS-2113 Intro to Political Science **3 Credits**
THE ORIGIN, NATURE, AND FUNCTION OF GOVERNMENT, PRINCIPLES AND METHODS OF POLITICAL ORGANIZATION AND DEVELOPMENT.

PS-2213 U.S. Government Issues and Politics **3 Credits**
A STUDY OF THE DOMESTIC POLICIES OF THE NATIONAL GOVERNMENT, WITH PARTICULAR EMPHASIS GIVEN TO ISSUES AND POLICIES OF THE PERIOD SINCE THE NEW DEAL OF THE 1930'S.

PS-2881 Special Studies in Government **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-2882 Special Studies in Government **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-2883 Special Studies in Government **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-2884 Special Studies in Government **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-3163 Political Science Research Methods **3 Credits**
THE FOCUS OF THIS COURSE IS THE SCOPE AND METHODS OF POLITICAL SCIENCE RESEARCH. IT CONCERNS THE SCIENCE PART OF POLITICAL SCIENCE, SPECIFICALLY, HOW TO APPLY THE SCIENTIFIC METHOD TO POLITICAL RESEARCH BY DEVELOPING THEORETICAL EXPLANATIONS OF POLITICAL PHENOMENA AND EMPIRICALLY TESTING THESE THEORETICAL EXPLANATIONS. THE GOAL OF THE COURSE IS TO ENABLE STUDENTS TO COMPLETE SIGNIFICANT POLITICAL SCIENCE RESEARCH PROJECTS.

PS-3173 Campaigns and Elections **3 Credits**
THIS COURSE WILL EXAMINE THE BEHAVIOR OF CANDIDATES AND VOTERS IN AMERICAN LOCAL, STATE, AND FEDERAL ELECTIONS. A FOCUS WILL BE PLACED ON HOW TO RUN A POLITICAL CAMPAIGN, INCLUDING CAMPAIGN STRUCTURE, FIELD OPERATIONS, PRECINCT ORGANIZATION, SCHEDULING, VOTER TARGETING, AND BUDGETS. THE ROLE OF THE PRESS, MONEY IN POLITICS, AND THE INCREASING INFLUENCE OF POLITICAL CONSULTANTS WILL ALSO BE COVERED.

PS-3183 Women in Politics **3 Credits**
THIS COURSE FOCUSES ON THE ROLE OF WOMEN IN UNITED STATES POLITICS AND IN THE GLOBAL CONTEXT. TOPICS INCLUDE THE EXPANSION OF WOMEN'S RIGHTS AND ROLES, FEMINIST THEORY, AND BARRIERS TO EQUALITY.

PS-3193 Tribal Politics **3 Credits**
THIS COURSE WILL SURVEY TRIBAL GOVERNMENT AND POLITICS IN THE UNITED STATES WITH A SPECIAL EMPHASIS ON THE INTERGOVERNMENTAL RELATIONSHIPS AMONG TRIBAL, LOCAL, STATE, AND FEDERAL GOVERNMENTS.

PS-3413 The U.S. Legislatures **3 Credits**
CURRENT PRACTICES OF THE UNITED STATES CONGRESS AND STATE LEGISLATIVE BODIES, EMPHASIS ON CONSTITUTIONAL DEVELOPMENTS WHICH HAVE SHAPED THE ORGANIZATION, PROCEDURES AND OPERATIONS OF U.S.LEGISLATURES, AND ON THE RELATIONSHIP OF THE LEGISLATIVE AND THE OTHER TWO MAJOR DEPARTMENTS OF GOVERNMENT.

PS-3523 Political Philosophy **3 Credits**
SELECTED POLITICAL PHILOSOPHERS FROM SOCRATES TO HEGEL. THIS COURSE WILL SURVEY MAJOR POLITICAL PHILOSOPHERS THROUGH THE MIDDLE AGES.

PS-3613 U.S. Political Thought **3 Credits**
A SURVEY OF THE MAJOR DEVELOPMENTS IN U.S. POLITICAL THOUGHT FROM THE COLONIAL PERIOD TO THE PRESENT, WITH SOME COMPARISON WITH MAJOR CONTINENTIAL IDEAS.

PS-3633 The U.S. Presidency **3 Credits**
THE POLITICS OF PRESIDENTIAL SELECTION, THE AUTHORITY OF THE OFFICE, THE PROCESSES OF FORMULATING AND EXECUTING PUBLIC POLICY, AND THE INFLUENCE OF PERSONALITY ON PERFORMANCE.

PS-3723 Oklahoma Politics **3 Credits**
THIS COURSE WILL SURVEY OKLAHOMA POLITICAL INSTITUTIONS AND POLITICAL HISTORY. TOPICS INCLUDE THE THREE BRANCHES OF OKLAHOMA STATE GOVERNMENT, ELECTIONS, AND POLITICAL CULTURE.

PS-3823 Introduction to Public Management **3 Credits**
AN INTRODUCTION TO THEORY & PRACTICE IN THE MANAGEMENT OF PUBLIC AFFAIRS. PARTICULAR EMPHASIS IS PLACED UPON SEVERAL THEMES & CONCEPTUAL PROBLEMS CONSISTENTLY APPEARING IN THE PROFESSIONAL LITERATURE OF PUBLIC ADMINISTRATION (E.G., ECOLOGY OF ADMINISTRATION, BUREAUCRATIC EFFICIENCY, ADMINISTRATIVE RESPONSIVENESS & RESPONSIBILITY). SELECTED STUDIES & WORKS OF FICTION MAY BE UTILIZED WHERE APPROPRIATE.

PS-3913 International Relations **3 Credits**
AN IN-DEPTH ANALYSIS OF THE ACTORS AND THEIR RELATIONSHIPS WITHIN THEGLOBAL COMMUNITY, THE IMPORTANCE AND LIMITATIONS OF POWER IN THE CONTEMPORARY WORLD.

PS-4113 Political Parties **3 Credits**
A SURVEY OF THE ORIGIN AND DEVELOPMENT OF POLITICAL PARTIES IN THE UNITED STATES, STUDY OF CONTEMPORARY PARTY ORGANIZATIONS AND ISSUES.

PS-4163 Post-Soviet Bloc Politics **3 Credits**
A STUDY OF THE GOVERNMENT AND POLITICS OF STATES IN POST-SOVIET CENTRAL AND EASTERN EUROPE. PRIMARY CONSIDERATION WILL BE GIVEN TO POST-SOVIET RUSSIA.

PS-4353 Study of War **3 Credits**
AN INVESTIGATION INTO THE NATURE AND CAUSES OF WAR WITHIN THE GLOBAL ARENA. VARIOUS TYPES OF WARS WILL BE IDENTIFIED AND ANALYZED.

PS-4433 Public Policy Making **3 Credits**
AN EXAMINATION OF VARIOUS MODELS OF PUBLIC POLICY MAKING, LEADING TO THE ANALYSIS OF VARIOUS PROBLEMS CONFRONTING GOVERNMENT. THE COURSE IS CONCERNED WITH INTEREST GROUPS WHICH INFLUENCE POLICY MAKING, THE PROCESSES (GOVERNMENTAL, INSTITUTIONAL, AND ENVIRONMENTAL) THROUGH WHICH POLICIES FLOW, THE FINAL CONCLUSIONS OF POLICY MAKING, AND THE IMPACT OF SOCIETY.

PS-4513 Modern Political Thought **3 Credits**
THIS COURSE WILL START WITH JOHN LOCKE AND PURSUE POLITICAL PHILOSOPHY DOWN TO THE PRESENT, INCLUDING THE RECENT IDEAS AND HISTORICAL FACTORS RESULTING IN LIBERALISM, SOCIALISM, COMMUNISM, AND FASCISM.

PS-4823 U.S. Foreign Policy **3 Credits**
A STUDY OF THE U.S. FOREIGN POLICY ESTABLISHMENT. AN INVESTIGATION OF THE VARIOUS FACTORS THAT INFLUENCE THE MAKING AND THE IMPLEMENTATION OF U.S. FORIEGN POLICY. ATTENTION WILL BE FOCUSED ON THE PURPOSE AND OBJECTIVES OF U.S. FOREIGN POLICY, EXPECIALLY SINCE 1945.

PS-4883 Political Science Capstone **3 Credits**
THIS CAPSTONE SEMINAR COURSE SERVES AS THE FINAL COURSE FOR THE POLITICAL SCIENCE MAJOR. STUDENTS WILL CONCENTRATE ON PRACTICAL SKILLS SUCH AS PROJECT MANAGEMENT, REPORT WRITING, SURVEY CONSTRUCTION AND DATA ANALYSIS, ORAL COMMUNICATION, AND GRANT WRITING. Required Previous: PS-1113

PS-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-5312 Current Topics- 2 Credits
THE STUDY OF A SELECTED TOPIC OF GENERAL INTEREST IN GOVERNMENT, DOMESTIC OR FOREIGN. THIS COURSE IS DESIGNED PRIMARILY AS GENERAL EDUCATION FOR GRADUATE STUDENTS.

PS-5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5982 Seminar- 2 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5983 Seminar- 3 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5984 Seminar- 4 Credits
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-5991 Individual Studies- 1 Credit
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS

PS-5992 Individual Studies- 2 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS1

PS-5993 Individual Studies- 3 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS

PS-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: 16 credits; from subject HIST; minimum 8 credits from PS

PS-A4941 Intrnship-American Govt 1 Credit
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OFPUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4942 Internship-American Govt 2 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4943 Internship-American Govt 3 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4944 Internship-American Govt 4 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4945 Internship-American Govt 5 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-A4946 Internship-American Govt 6 Credits
AN INDEPTH STUDY OF THE STRUCTURE OF A POLITICAL INSTITUTION, AN AREA OF PUBLIC, POLITICAL BEHAVIOR, OR INTERGOVERNMENTAL RELATIONSHIPS BY ASSIGNMENT TO WORK OR STUDY WITHIN A GOVERNMENTAL OR POLITICAL ENTITY.

PS-H1113 Honors-U.S. Government 3 Credits
ORIGIN, ORGANIZATION, FORM, FUNCTIONS AND FUNCTIONING OF THE U.S. GOVERNMENT, INCLUDING POLITICAL PARTIES.

PS-H2883 Honors-Special Studies- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-H3113 Honors-Cont Law:iss Natl Pwr 3 Credits
A STUDY OF THE POWERS OF THE FEDERAL COURTS, THE CONGRESS, THE PRESIDENT, AND THE DISTRIBUTION OF AUTHORITY BETWEEN THE NATIONAL AND STATE GOVERNMENTS, CONTRACTS, THE COMMERCE AND TAX POWERS, AS THESE RELATE TO GOVERNMENT REGULATION OF THE NATIONAL ECONOMY, AND THE 14TH AMENDMENT.

PS-H3133 Honors-Civ Rights & Liberties I 3 Credits
STUDIES U.S. SUPREME COURT DECISIONS AND THE POLITICS SURROUNDING THEM DEALING WITH THE EQUAL PROTECTION OF WOMEN'S RIGHTS AND CRIMINAL RIGHTS.THE RIGHT OF PRIVACY IS ALSO PART OF THE CASE BRIEFING AND DISCUSSION IN VOLVED IN THIS COURSE.

PS-H3183 Honors-Women in Politics **3 Credits**
THIS COURSE FOCUSES ON THE ROLE OF WOMEN IN UNITED STATES POLITICS AND IN THE GLOBAL CONTEXT. TOPICS INCLUDE THE EXPANSION OF WOMEN'S RIGHTS AND ROLES, FEMINIST THEORY, AND BARRIERS TO EQUALITY.

PS-H3523 Honors-Political Philosophy **3 Credits**
SELECTED POLITICAL PHILOSOPHERS FROM SOCRATES TO HEGEL. THIS COURSE WILLSURVEY MAJOR POLITICAL PHILOSOPHERS THROUGH THE MIDDLE AGES.

PS-H3613 Honors-U.S. Political Thought **3 Credits**
A SURVEY OF THE MAJOR DEVELOPMENTS IN U.S. POLITICAL THOUGHT FROM THE COLONIAL PERIOD TO THE PRESENT, WITH SOME COMPARISON WITH MAJOR CONTINENTAL POLITICAL IDEAS.

PS-H3823 Honors-Intro to Publ Mgmt **3 Credits**
AN INTRODUCTION TO THEORY & PRACTICE IN THE MANAGEMENT OF PUBLIC AFFAIRS. PARTICULAR EMPHASIS IS PLACED UPON SEVERAL THEMES & CONCEPTUAL PROBLEMS CONSISTENTLY APPEARING IN THE PROFESSIONAL LITERATURE OF PUBLIC ADMINISTRATION (E.G., ECOLOGY OF ADMINISTRATION, BUREAUCRATIC EFFICIENCY, ADMINISTRATIVE RESPONSIVENESS & RESPONSIBILITY). SELECTED STUDIES & WORKS OF FICTION MAY BE UTILIZED WHERE APPROPRIATE.

PS-H3913 Honors-International Relations **3 Credits**
AN IN-DEPTH ANALYSIS OF THE ACTORS AND THEIR RELATIONSHIPS WITHIN THEGLOBAL COMMUNITY, THE IMPORTANCE AND LIMITATIONS OF POWER IN THE CONTEMPORARY WORLD.

PS-H4433 Honors-Public Policy Makng **3 Credits**
AN EXAMINATION OF VARIOUS MODELS OF PUBLIC POLICY MAKING, LEADING TO THEANALYSIS OF VARIOUS PROBLEMS CONFRONTING GOVERNMENT. THE COURSE IS CONCERNED WITH INTEREST GROUPS WHICH INFLUENCE POLICY MAKING, THE PROCESSES (GOVERNMENTAL, INSTITUTIONAL, AND ENVIRONMENTAL) THROUGH WHICH POLICIESFLOW, THE FINAL CONCLUSIONS OF POLICY MAKING, AND THE IMPACT OF SOCIETY.

PS-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PBOBLEM.

PS-H4993 Honors-Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-H4994 Honors-Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PS-S4981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-S5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-S5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PS-S5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(PSCOM)

PSCOM-3863 Mass Media and U.S. Politics **3 Credits**
AN EXAMINATION AND ASSESSMENT OF THE POWER AND INFLUENCE OF THE MASS MEDIA IN U.S. POLITICS, EMPHASIS WILL BE CENTERED ON THE MEDIUM OF TELELVISION. Required Previous: Take PS-1113 or departmental approval

PSCOM-H3863 Honors-Mass Media & Us Politics **3 Credits**
AN EXAMINATION AND ASSESSMENT OF THE POWER AND INFLUENCE OF THE MASS MEDIA IN U.S. POLITICS, EMPHASIS WILL BE CENTERED ON THE MEDIUM OF TELEVISION. Required Previous: PS-1113 or departmental approval

(PSYCH)

PSYCH-1113 General Psychology **3 Credits**
A SURVEY OF THE MAJOR AREAS IN PSYCHOLOGY INCLUDING MOTIVATION, PERCEPTION, LEARNING, MEMORY AND COGNITION, PHYSIOLOGY, PERSONALITY, SOCIAL PSYCHOLOGY, AND ABNORMAL BEHAVIOR AND TREATMENT.

PSYCH-2313 History and Systems of Psychology **3 Credits**
A SURVEY AND INTEGRATION OF PERIODS AND PRINCIPAL FIELDS OF PSYCHOLOGI-CAL THOUGHT, WITH EMPHASIS UPON THE EVOLUTION OF SCIENTIFIC METHOD ANDITS APPLICATION TO BEHAVIOR. Required Previous: PSYCH-1113

PSYCH-2403 Sociocultural Psychology **3 Credits**
THE SOCIOCULTURAL PERSPECTIVE IS A THEORY USED IN FIELDS SUCH AS PSYCHOLOGY AND IS USED TO DESCRIBE AWARENESS OF CIRCUMSTANCES SURROUNDING INDIVIDUALS AND HOW THEIR BEHAVIORS ARE AFFECTED SPECIFICALLY BY THEIR SURROUNDING SOCIAL, AND CULTURAL FACTORS. Required Previous: PSYCH-1113

PSYCH-2881 Special Studies- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-2882 Special Studies- 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-2883 Special Studies- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-2884 Special Studies- 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-3013 Industrial/Organizational Psychology 3 Credits
A STUDY OF CONCEPTS, MODELS, AND ISSUES OR ORGANIZATIONAL BEHAVIOR INA MANNER THAT WILL HELP THE STUDENT TO DEVELOP THE CONCEPTIONAL INTER-PERSONAL AND COMMUNICATIVE SKILLS THAT ARE NEEDED FOR EFFECTIVE MANAGEMENT IN AN ORGANIZATION. Required Previous: PSYCH-1113

PSYCH-3023 Introduction to Health Psychology 3 Credits
STUDY OF HOW BIOLOGICAL, PSYCHOLOGICAL, AND SOCIAL FACTORS INTERACT WITH AND AFFECT THE PROMOTION OF GOOD HEALTH AND THE PREVENTION OF ILLNESS. EMPHASIS IS PLACED ON HOW EFFECTIVELY PEOPLE COPE WITH AND REDUCE STRESS AND PAIN. THIS INCLUDES THE RECOVERY, REHABILITATION, AND PSYCHOSOCIAL ADJUSTMENT OF PATIENTS WITH SERIOUS HEALTH PROBLEMS. Required Previous: PSYCH-1113

PSYCH-3053 Introduction to Clinical and Counseling Psychology 3 Credits
SURVEY OF THEORIES, MODELS, AND TECHNIQUES IN CLINICAL AND COUNSELING PSYCHOLOGY. STUDENTS WILL BE EXPOSED TO THE SCIENCE AND PRACTICE OF CLINICAL AND COUNSELING PSYCHOLOGY WITH AN EMPHASIS ON PROFESSIONAL ETHICS FOR PSYCHOLOGISTS. THE COURSE IS INTENDED TO PROVIDE INFORMATION FOR THOSE CONSIDERING A CAREER IN CLINICAL OR COUNSELING PSYCHOLOGY. Required Previous: PSYCH-1113

PSYCH-3063 Physiological Psychology 3 Credits
INTRODUCTORY SURVEY OF THE PHYSIOLOGICAL CORRELATES OF BEHAVIOR. AMONG THE TOPICS DISCUSSED WILL BE HOW PHYSIOLOGY AND BIOCHEMISTRY MIGHT INTERACT WITH THE ENVIRONMENT TO PRODUCE CHANGES IN LEARNING, MOTIVATION, EMOTIONS, PERCEPTIONS, AND OTHER BEHAVIORS. Required Previous: PSYCH-1113

PSYCH-3093 Computer Software: Applications in Psychology 3 Credits
THE COURSE IS AN INTRODUCTION TO THE APPLICATION OF MICROCOMPUTER SOFTWARE PERTINENT TO THE FIELD OF PSYCHOLOGICAL RESEARCH. EMPHASIS IS PLACEDON THE OPERATION AND UTILIZATION OF SOFTWARE FOR STATISTICAL ANALYSIS AND GRAPHIC PRESENTATION OF DATA. Required Previous: PSYCH-3833 or departmental approval.

PSYCH-3114 Experimental Psychology 4 Credits
AN APPLIED STUDY OF THE PROCEDURES AND METHODS OF EXPERIMENTAL RESEARCH IN PSYCHOLOGY. THE PURPOSE OF THIS COURSE IS FOR STUDENTS TO PARTICIPATE IN THE PLANNING, DESIGNING AND COMPLETION OF AN EXPERIMENTAL RESEARCH PROJECT. Required Previous: PSYCH-1113

PSYCH-3463 Child and Adolescent Psychology 3 Credits
A STUDY OF HUMAN DEVELOPMENT OF THE INDIVIDUAL FROM BIRTH THROUGH ADOLESCENCE WITH EMPHASIS ON APPLIED ISSUES IN PARENTING, EDUCATION, NURSING AND OTHER PROFESSIONAL HUMAN SERVICE FIELDS. Required Previous: PSYCH-1113

PSYCH-3613 Psychology of Learning and Cognition 3 Credits
A COMPREHENSIVE STUDY OF THE PSYCHOLOGICAL THEORIES OF LEARNING AND COGNITION INCLUDING CURRENT ISSUES IN HUMAN AND ANIMAL BEHAVIOR. Required Previous: Take 5 credits; From Subject PSYCH

PSYCH-3703 Introduction to Human Sexuality 3 Credits
THIS COURSE EXAMINES THE COMPLEX INTERPLAY OF PSYCHOLOGICAL, SOCIOCULTURAL, AND BIOLOGICAL FACTORS IN THE DEVELOPMENT AND EXPRESSION OF SEXUAL ATTITUDES AND BEHAVIORS. IT COVERS A WIDE VARIETY OF TOPICS, INCLUDING THE MAJOR PSYCHOLOGICAL THEORIES OF SEXUALITY, PATTERNS OF SEXUAL AROUSAL AND RESPONSE, THE DEVELOPMENT OF GENDER AND GENDER IDENTITY, VARIATIONS IN SEXUAL ORIENTATION, ATTRACTION PROCESSES AND ROMANTIC LOVE, SEXUAL DYSFUNCTIONS AND SEX THERAPY, TYPICAL AND ATYPICAL SEXUAL BEHAVIORS, A Required Previous: Take PSYCH-1113

PSYCH-3833 Behavioral Science Statistics 3 Credits
THE COURSE PROVIDES AN INTRODUCTION TO DESCRIPTIVE, INFERENTIAL, PARAMETRIC, AND NONPARAMETRIC STATISTICAL TECHNIQUES USED IN BEHAVIORAL SCIENCE RESEARCH. THESE TECHNIQUES WILL INCLUDE MEASURES OF CENTRAL TENDENCY, VARIABILITY, CORRELATION, REGRESSION ANALYSIS, T-TESTS, CHI SQUARE AND ANOVA. THE PURPOSE OF THE COURSE IS FOR STUDENTS TO DEVELOP COMPETENCIES IN CALCULATING BASIC STATISTICS, USING COMPUTERS FOR STATISTICAL ANALYSES, ENGAGING IN HYPOTHESIS TESTING, AND INTERPRETING THE STATISTICAL R Required Previous: MATH-1223, MATH-1513 or MATH-1613 or departmental approval

PSYCH-3933 Writing and Design for Psychological Research 3 Credits
THIS COURSE INTRODUCES WRITING AND DESIGN IN PSYCHOLOGICAL RESEARCH. THE PURPOSE OF THE COURSE IS FOR STUDENTS TO DEVELOP COMPETENCIES IN EXPERIMENTAL DESIGN, RESEARCH ETHICS, TECHNICAL REPORT WRITING USING APA STYLE, AND DATA ANALYSIS USING COMPUTER STATISTICAL PROGRAMS. Required Previous: PSYCH-1113

PSYCH-4001 Psychology Senior Seminar 1 Credit
PSYCHOLOGY MAJORS WILL LEARN ABOUT THE VARIOUS CAREER OPTIONS THAT EXIST FOR THEM AND START TO CREATE A CAREER PLAN NECESSARY FOR THEM TO PURSUE A GRADUATE DEGREE OR WORK IN THE FIELD WITH A PSYCHOLOGY BACHELOR'S DEGREE.

PSYCH-4112 Psychology of Exceptional Children **2 Credits**
STUDY OF CHILDREN WHO DEVIATE SIGNIFICANTLY FROM THE NORMAL WITH REFER-ENCE TO INTELLECTUAL, SENSORY, PHYSICAL, AND NEURAL FUNCTIONING ANDBEHAVIOR WITH SPECIAL EMPHASIS ON UNDERSTANDING AND MODIFYING THE BEHAVIOR OF SUCH CHILDREN. THIS COURSE MAY NOT BE TAKEN FOR PSYCHOLOGY DEGREECREDIT.

PSYCH-4133 Abnormal Psychology **3 Credits**
STUDY OF BEHAVIOR LIKELY TO BE LABELED ABNORMAL WITH EMPHASIS ON FACTORSINVOLVED IN ACQUISITION MAINTENANCE, AND CHANGE OF SUCH BEHAVIOR. Required Previous: 5 hours of Psychology

PSYCH-4213 Psychology Tests and Measurements **3 Credits**
A STUDY OF PSYCHOLOGICAL TESTING PRINCIPLES AND PROCEDURES, WITH SPECIAL EMPHASIS ON INTELLIGENCE TESTS, APTITUDE TESTS, ACHIEVEMENT TESTS, IN-TEREST INVENTORIES, DEVELOPMENTAL SCALES, AND GROUP PERSONALITY TESTS. EXPERIENCE IS PROVIDED WITH TESTS COMMONLY USED FOR THE IDENTIFICATION,INTERVENTION, AND PLACEMENT OF EXCEPTIONAL INDIVIDUALS. Required Previous: 5 hours of Psychology

PSYCH-4323 Behavioral Management **3 Credits**
STUDY OF THE BASIC PRINCIPLES OF THE EXPERIMENTAL ANALYSIS OF BEHAVIOR.EMPHASIS ON BEHAVIOR AS AFFECTED BY ENVIRONMENTAL CONDITIONS. Required Previous: PSYCH-1113;

PSYCH-4413 Psychology of Personality **3 Credits**
THIS COURSE EXAMINES PERSONALITY PROCESSES AND THE VARIOUS THEORETICAL APPROACHES TO THE STUDY OF PERSONALITY INCLUDING PSYCHODYNAMIC, BEHAVIORAL, PHENOMENOLOGICAL, TRAIT, AND SOCIAL LEARNING THEORIES. Required Previous: PSYCH-1113;

PSYCH-4443 Child Development **3 Credits**
THE PHYSICAL, MENTAL, SOCIAL, AND EMOTIONAL DEVELOPMENT OF THE INDIVIDUAL FROM CONCEPTION THROUGH THE ONSET OF ADOLESCENCE WITH EMPHASIS ON PSYCHOLOGICAL THEORIES, DEVELOPMENTAL METHODOLOGY AND RESEARCH. Required Previous: PSYCH-1113;

PSYCH-4453 Adolescent Development **3 Credits**
THE PHYSICAL, MENTAL, SOCIAL AND EMOTIONAL DEVELOPMENT OF THE INDIVIDUAL FROM PUBERTY THROUGH THE ONSET OF YOUNG ADULTHOOD WITH EMPHASIS ON PSYCHOLOGICAL THEORIES, DEVELOPMENTAL METHODOLOGY, AND RESEARCH. Required Previous: PSYCH-1113;

PSYCH-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-5023 Advanced Social Psychology **3 Credits**
THIS COURSE PROVIDES AN IN-DEPTH STUDY OF THE INTERACTION OF HUMANS WITH THEIR SOCIAL ENVIRONMENT FOCUSING ON BOTH A MICRO AND MACRO SYSTEMS PERSPECTIVE WITH SPECIAL EMPHASIS ON THEORIES AND ISSUES IN APPLIED SOCIAL PSYCHOLOGY AND RESEARCH.

PSYCH-5043 Advanced Sport Psychology **3 Credits**
THIS COURSE EXPLORES ADVANCED THEORIES, RESEARCH, AND APPLIED PRACTICES IN SPORT AND PERFORMANCE PSYCHOLOGY. STUDENTS WILL CRITICALLY EXAMINE PSYCHOLOGICAL FACTORS INFLUENCING PERFORMANCE, INCLUDING MOTIVATION, CONFIDENCE, ATTENTION, EMOTIONAL REGULATION, TEAM DYNAMICS, AND RESILIENCE. EMPHASIS IS PLACED ON EVIDENCE-BASED INTERVENTIONS SUCH AS SELF-TALK, VISUALIZATION, GOAL-SETTING, AND MINDFULNESS, WITH APPLICATIONS FOR ATHLETES, COACHES, AND HIGH-PERFORMING PROFESSIONALS.

PSYCH-5063 Advanced Physiological Psychology **3 Credits**
AN IN-DEPTH ANALYSIS OF THE NEURAL AND ENDOCRINE COMPONENTS OF NORMAL AND ABNORMAL BEHAVIOR.

PSYCH-5083 Applied Sport Psychology **3 Credits**
THE COURSE IS DESIGNED TO PROVIDE STUDENTS IN AN APPLIED SETTING WITH THE ABILITY AND THEORETICAL BACKGROUND TO USE AND PRESCRIBE PSYCHOLOGICAL TECHNIQUES AND INTERVENTIONS TO ENHANCE PERFORMANCE IN SPORT AND OTHER DOMAINS (E.G., PERFORMING ARTS, MILITARY, BUSINESS). THIS INCLUDES THE USE OF COGNITIVE BEHAVIORAL STRATEGIES ALONG WITH OTHER MODELS OF PERFORMANCE ENHANCEMENT. Required Previous: EDPSY-5163;

PSYCH-5113 Theories of Personality and Human Behavior 3 Credits
AN INTENSIVE STUDY OF THE PRINCIPLES OF HUMAN BEHAVIOR WITH EMPHASIS ON DESCRIPTION, UNDERSTANDING, PREDICTION, AND CONTROL OF BEHAVIOR.

PSYCH-5123 Projective Techniques 3 Credits
ADVANCED TRAINING IN THE ADMINISTRATION, SCORING AND INTERPRETATION OFWIDELY USED PROJECTIVE TECHNIQUES OF PERSONALITY ASSESSMENT. MAJOREMPHASIS ON THE RORSCHACH INKBLOT TEST WITH ADDITIONAL TRAINING IN THE USE OF THE THEMATIC APPEREPTION TEST, INCOMPLETE SENTENCE BLANK ANDDRAWING TESTS.

PSYCH-5143 Statistics and Design in Applied Psychology 3 Credits
MAJOR EMPHASIS WILL BE PLACED ON STUDENTS LEARNING THE APPLICATION OF STATISTICS WHEN READING, ANALYZING, AND DESIGNING RESEARCH IN APPLIED PSYCHOLOGY.

PSYCH-5153 Research in Applied Psychology 3 Credits
MAJOR EMPHASIS WILL BE ON STUDENT LEARNING HOW TO WRITE, AND ANALYZE, DESIGN, AND CONDUCT RESEARCH IN APPLIED PSYCHOLOGY. Required Previous: PSYCH-5143;

PSYCH-5173 Professional Orientation and Ethics in Clinical Psychology 3 Credits
PROFESSIONAL AND ETHICAL ISSUES IN CLINICAL PSYCHOLOGY ARE CONSIDERED IN LIGHT OF GENERAL STANDARDS, EVALUATION, ASSESSMENT, INTERVENTION, ADVERTISING AND OTHER PUBLIC STATEMENTS, THERAPY, PRIVACY AND CONFIDENTIALITY, TEACHING, TRAINING SUPERVISION, RESEARCH, PUBLISHING, FORENSIC ACTIVITIES, AND RESOLVING ISSUES THAT INDIVIDUALS ENCOUNTER IN PROVIDING CLINICAL SERVICES TO CLIENTS AND THE PRINCIPLES THAT ARE INCORPORATED IN PROPERLY THINKING THROUGH HOW TO CONDUCT ONESELF WHEN SUCH SITUATIONS ARE

PSYCH-5183 Advanced Abnormal Psychology 3 Credits
INTENSIVE STUDY OF BEHAVIORS LIKELY TO COME TO THE ATTENTION OF COUN-SELORS AND PSYCHOTHERAPISTS WITH EMPHASIS ON CLASSIFICATION, ETIOLOGYAND INTERVENTION. Required Previous: PSYCH-5113 or EDPSY-5163 or departmental approval

PSYCH-5193 Health Psychology 3 Credits
THE COURSE WILL FOCUS ON THE OVERLAP OF PHYSIOLOGICAL AND PSYCHOLOGICAL HEALTH MODELS WITHIN A BIOPSYCHOSOCIAL APPROACH TO UNDERSTAND HOW BEST TO PROMOTE AND MAINTAIN HEALTH, PREVENT AND TREAT ILLNESS, ADAPT AND THRIVE IN THE CONTEXT OF CHRONIC ILLNESS, SUBSTANCE ABUSE CONCERNS, AS WELL AS MENTAL AND PHYSICAL HEALTH ISSUES.

PSYCH-5203 Applied Biomechanics 3 Credits
THIS COURSE FOCUSES ON PHYSIOLOGICAL SCIENTIFIC STUDY OF HUMAN MOVEMENT, ANALYSIS OF FUNDMENTAL MOVEMENTS AND THE MECHANICAL PRINCIPLES THAT APPLY TO HUMAN MOTION AND TEACHING MOVEMENT SKILLS. EMPHASIS IS ON THE COGNITIVE BEHAVIORAL ASPECTS OF HOW SKILLED MOVEMENT IS GAINED, REGULATED, AND ADAPTED. THIS COURSE IS NOT AN APPROVED ELECTIVE FOR COUNSELING PSYCHOLOGY (0860) STUDENTS. Required Previous: PSYCH-5063

PSYCH-5213 Life Coaching and Career Counseling 3 Credits
THE COURSE PROVIDES AN UNDERSTANDING OF CAREER DEVELOPMENT AND RELATED LIFE FACTORS. STUDENTS WILL DEVELOP LIFE COACHING AND CAREER COUNSELING SKILLS BY EXAMINING MAJOR CAREER THEORIES AND MODELS AS WELL AS THE WAYS CLIENTS' ATTITUDES, APTITUDES, SOCIAL INTERESTS, AND FAMILY RESPONSIBILITIES IMPACT LIFESTYLE CHANGES AND CAREER DECISIONS. Required Previous: PSYCH-5113 or EDPSY-5163

PSYCH-5233 Intro to Counseling 3 Credits
STUDY OF PRINCIPLES, PHILOSOPHIES, AND SERVICES BASIC TO ORGANIZATIONAND ADMINISTRATION OF GUIDANCE PROGRAMS. EXAMINATIONS AND EVALUATION OFMETHODS AND DEVICES FOR OBTAINING INFORMATION NECESSARY TO GUIDANCE SERVICES.

PSYCH-5243 Trauma-Focused Counseling: Theories and Techniques 3 Credits
THIS COURSE PROVIDES AN IN-DEPTH EXPLORATION OF TRAUMA-FOCUSED COUNSELING, EQUIPPING STUDENTS WITH THE THEORETICAL KNOWLEDGE, PRACTICAL SKILLS, AND ETHICAL FRAMEWORKS NECESSARY TO WORK EFFECTIVELY WITH CLIENTS WHO HAVE EXPERIENCED OR ARE EXPERIENCING TRAUMA. STUDENTS WILL EXAMINE THE NEUROBIOLOGICAL, PSYCHOLOGICAL, AND SOCIOCULTURAL IMPACTS OF TRAUMA, WHILE LEARNING EVIDENCE-BASED INTERVENTIONS SUCH AS TRAUMA-FOCUSED COGNITIVE BEHAVIORAL THERAPY (TF-CBT), EYE MOVEMENT DESENSITIZATION AND REPROCE Required Previous: Take EDPSY-5163

PSYCH-5244 Forensic Mental Health Practice for Professional Counselors: Court-Involved Assessment and Intervention 3 Credits
THIS COURSE PREPARES LPC-TRACK GRADUATE STUDENTS TO DELIVER EVIDENCE-INFORMED, ETHICALLY SOUND BEHAVIORAL HEALTH SERVICES IN FORENSIC CONTEXTS. STUDENTS LEARN THE LEGAL AND CLINICAL FOUNDATIONS OF COMPETENCY TO STAND TRIAL EVALUATIONS, PRINCIPLES AND SERVICE MODELS FOR COMPETENCY ATTAINMENT/RESTORATION, PSYCHOEDUCATIONAL GROUP DELIVERY IN FORENSIC SETTINGS (E.G., BATTERING INTERVENTION, CHILD WELFARE, CORRECTIONAL SETTINGS, AND CRIME-VICTIM SERVICES), AND HOW TO PROVIDE ACCURATE AND ETHICAL TEST Required Previous: Take EDPSY-5163

PSYCH-5273 Telehealth Assessing & Counseling Skills : Ethical, Legal, & Practical Applicatio 3 Credits
THIS COURSE PREPARES STUDENTS FOR THE USE OF TELEHEALTH IN MENTAL HEALTH FOR ASSESSMENT, COUNSELING, CONSULTING, AND THERAPY. IT ADDRESSES RELEVANT STATE STATUTES, ADMINISTRATIVE RULES, AND RELATED LAWS. IT EMPHASIZES ETHICAL AND LEGAL PRACTICE, TECHNOLOGICAL PROFICIENCY, CULTURAL COMPETENCE, AND RISK MANAGEMENT IN VIRTUAL ENVIRONMENTS. STUDENTS WILL EXPLORE TELEHEALTH INTERVENTIONS, SIMULATE SESSIONS, AND ANALYZE CASE STUDIES TO ENSURE SERVICES ARE EQUIVALENT TO IN-PERSON CARE. THIS COURSE PREP Required Previous: Take EDPSY-5163

PSYCH-5313 Advanced Educational Psychology 3 Credits
PRINCIPLES OF LEARNING, DEVELOPMENT, AND SOCIAL FACTORS INFLUENCING LEARNING MOTIVATION AND ACHIEVEMENT. THEORETICAL PERSPECTIVES AND RESEARCH REGARDING DEVELOPMENT, SOCIAL-COGNITION, LEARNING AND MOTIVATION ARE EXAMINED AS THESE INFLUENCE EDUCATIONAL DECISIONS AND CLASSROOM PRACTICES.

PSYCH-5323 Classroom Behavior Modification **3 Credits**
A COMPREHENSIVE INTRODUCTION TO APPLIED LEARNING THEORY IN THE CLASS-ROOM. SPECIFIC EMPHASIS WILL BE PLACED ON THE PRACTICAL APPLICATION OFTHESE PRINCIPLES IN THE CONTROL OF APPROPRIATE AND INAPPROPRIATE CLASSROOM BEHAVIOR.

PSYCH-5333 Behavioral Intervention With Children **3 Credits**
THE COURSE FOCUSES ON THE UTILIZATION OF EMPIRICALLY-BASED ASSESSMENT AND INTERVENTION WITH CHILDREN HAVING BEHAVIORAL PROBLEMS. EMPHASIS IS PLACED ON THE FUNCTIONAL ANALYSIS OF BEHAVIOR, CONTINGENCY AND CRISIS MANAGEMENT. Required Previous: PSYCH-5183;

PSYCH-5363 Adolescent Psychopathy and Treatment **3 Credits**
STUDY OF THE ASSESSMENT, DIAGNOSIS, AND TREATMENT OF ADOLESCENT BEHAVIORAL AND PSYCHOLOGICAL DISORDERS. EMPHASIS WILL BE PLACED UPON THE UTILIZATION OF EMPIRICALLY-BASED STRATEGIES. Required Previous: PSYCH-5183;

PSYCH-5373 Psychological Assessment **3 Credits**
THE COURSE PROVIDES AN INTRODUCTION TO PSYCHOLOGICAL TESTS THAT ARE USED IN CLINICAL PRACTICE TO ASSESS SOCIAL, EMOTIONAL, AND BEHAVIORAL FUNCTIONING. THE COURSE INTRODUCES MEASUREMENT TECHNIQUES AND A VARIETY OF TESTING TOOLS/INSTRUMENTS THAT ARE USED IN PSYCHOLOGY TO ASSIST WITH CLINICAL DECISION-MAKING, AS WELL AS TREATMENT PROGRESS. STUDENTS IN THIS COURSE WILL LEARN HOW TO SELECT APPROPRIATE INSTRUMENTS TO ADDRESS SPECIFIC CLINICAL QUESTIONS, AND RECEIVE HANDS-ON TRAINING IN A VARIETY OF AS Required Previous: EDPSY-5353;

PSYCH-5403 Intellectual Assessment **3 Credits**
A STUDY OF THE THEORIES AND PRINCIPLES UNDERLYING THE INDIVIDUALIZED ASSESSMENT OF INTELLECTUAL FUNCTIONING. SPECIFICALLY, STUDENTS WILL LEARN HOW TO ADMINISTER, SCORE, AND INTERPRET THE WECHSLER SCALES AND OTHER INTELLECTUAL ASSESSMENT INSTRUMENTS, AS WELL AS LEARN OBSERVATION,INTERVIEW, AND PSYCHOLOGICAL REPORT WRITING SKILLS. Required Previous: EDPSY-5353;

PSYCH-5423 Stanford-Binet Iv: Woodcock-Johnson **3 Credits**
THE MAJOR EMPHASIS IS TO PROVIDE TRAINING AND PRACTICE IN THE ADMINI-STRATION, SCORING, INTERPRETATON AND UTILIZATION OF THE FOLLOWING ASSES-SMENT INSTRUMENTS: STANFORD-BINET INTELLIGENCE SCALE (4TH EDITION) AND WOODCOCK-JOHNSON PSYCHO-EDUCATIONAL BATTERY. EXPERIENCE IS PROVIDED INTHE SYNTHESIS AND COMMUNICATION OF PSYCHOLOGICAL INFORMATION. Required Previous: Take 6 credits; From Subject PSYCH or departmental approval

PSYCH-5433 Diagnostic Assessment **3 Credits**
THIS COURSE IS A SURVEY OF DIAGNOSTIC TECHNIQUES WHICH DEAL WITH ACADEMIC SKILLS, SENSORY MOTOR SKILLS, ADAPTIVE SKILLS, LANGUAGE DEVELOPMENT, AND SOCIAL AND EMOTIONAL DEVELOPMENT. EMPHASIS IS PLACED ON THE RATIONALE AND FUNCTIONS OF SUCH DIAGNOSTIC INSTRUMENTS WHICH WOULD HELP SPECIALISTS IN PSYCHOMETRY, READING, AND COUNSELING TO EVALUATE THOSE ASPECTS OF BEHAVIOR NOT CURRENTLY ASSESSED BY TRADITIONAL TESTING PROCEDURES. Required Previous: PSYCH-5403;

PSYCH-5443 Multicultural Consultation and Intervention **3 Credits**
THIS COURSE FOCUSES ON MENTAL HEALTH, BEHAVIORAL, AND OTHER MODELS OF CONSULTATION AS APPLIED IN HOME, SCHOOL, AND COMMUNITY SETTINGS. SPECIAL EMPHASIS IS PLACED ON MULTICULTURAL ISSUES AND THE CULTURAL BASES OF BEHAVIOR AS AN INTEGRAL ASPECT OF THE CONSULTATION PROCESS. STUDENTS WILL LEARN EFFICIENT METHODS OF DATA COLLECTION AND HOW TO INCORPORATE AND APPLY THEM EFFECTIVELY IN DECISION-MAKING THROUGHOUT THE CONSULTATION PROCESS. Required Previous: PSYCH-5183;

PSYCH-5453 Internship in Sports Psychology II **3 Credits**
THE STUDENT WILL SPEND AT LEAST 200 CLOCK HOURS IN A SUPERVISED EXPERIENCE IN SPORT PSYCHOLOGY. THE 200-HOUR SUPERVISED INTERNSHIP EXPERIENCE MAY CONSIST OF DIRECT CLIENT CONTACT, RESEARCH DESIGN AND DATA COLLECTION ACTIVITIES INVOLVING THE APPLICATION OF SPORT PSYCHOLOGY, SUPPORT ACTIVITIES (E.G., COMMUNITY ENGAGEMENT OR VOLUNTEERING OF SERVICES), AND MENTORSHIP EXPERIENCES (E.G., FIELD OBSERVATIONS, APPLICATION & OBSERVATION OF LEARNED SKILLS UNDER SUPERVISION, ETC.). THIS INTERNSHIP IS THE S

PSYCH-5463 Psychology of Coaching & Team Dynamics **3 Credits**
THIS COURSE WILL PROVIDE AN EXAMINATION OF THE SCIENCE AND PRACTICE OF THE PSYCHOLOGY OF COACHING AND TEAM DYNAMICS. STUDENTS ARE PRESENTED WITH THE PSYCHOLOGICAL FOUNDATION FOR COACHING, INCLUDING THE BASIC TENETS OF THE PSYCHOLOGY OF THE INDIVIDUAL AS WELL AS GROUP BEHAVIOR. TOPICS WILL INCLUDE MOTIVATION, STRESS, COMMUNICATION, GROUP COHESION/DYNAMICS, LEADERSHIP, REINFORCEMENT, CONFLICT RESOLUTION, AND FEEDBACK AS THEY RELATE TO PERFORMANCE IN A TEAM AND INDIVIDUAL SETTING. Required Previous: Take PSYCH-5043

PSYCH-5473 Advanced Psychology of Childhood and Adolescence **3 Credits**
SURVEY OF LITERATURE FROM VARIOUS FIELDS TO AID THE STUDENT IN UNDER-STANDING CHARACTERISTICS OF CHILDHOOD AND ADOLESCENT GROWTH AND DEVELOP-MENT. EMPHASIS IS UPON THE DEVELOPMENT OF SKILLS IN OBSERVING AND INTERPRETNG THE BEHAVIOR OF CHILDREN AND ADOLESCENTS.

PSYCH-5483 Applied Psychology Capstone Project **3 Credits**
THIS CAPSTONE COURSE IS A PROJECT-BASED MENTORED EXPERIENCE DESIGNED TO DEVELOP AND HONE THE PRACTICAL APPLICATION SKILLS OF AN APPLIED PSYCHOLOGY MAJOR. THE COURSE REQUIRES STUDENTS TO INTEGRATE THE KNOWLEDGE AND SKILLS GAINED FROM OTHER COURSES IN THE PROGRAM AND TO DEMONSTRATE THE ABILITY TO APPLY THEIR KNOWLEDGE TO NEW SUBJECT MATTER AND PRACTICAL SITUATIONS. PRIOR TO CAPSTONE ENROLLMENT, STUDENTS ARE EXPECTED TO COMPLETE THE MAJORITY OF THEIR REQUIRED PROGRAM COURSES. Required Previous: Take PSYCH-5143

PSYCH-5523 Sports in American Society **3 Credits**
THIS COURSE EXAMINES THE INFLUENCE OF THE SOCIAL PSYCHOLOGY ON SPORT, THE INFLUENCE OF SOCIETY ON SPORT CULTURE, AND HOW SPORT AFFECTS THE SOCIAL WORLD WE LIVE IN. SOCIAL PSYCHOLOGY EMPHASIS WILL BE PLACED ON HOW SPORT INTERACTS WITH GENDER, RACE/ETHNICITY, CULTURE, SOCIOECONOMIC CLASS, MEDIA RELATIONS, VIOLENCE, DEVIANCE, AND SEXUALITY.

PSYCH-5553 Practicum in Psychology I **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN SUPERVISED PRACTICAL EXPERIENCE IN PROFESSIONALLY APPROPRIATE COUNSELING AND PSYCHOLOGICAL ACTIVITIES AT A FACILITY ENGAGED IN FURNISHING PSYCHOLOGICAL, MEDICAL, REHABILITATIVE, COUNSELING, OR OTHER SOCIALLY RELEVANT HUMAN SERVICES TO A CLIENT POPULATION. STUDENTS WILL DEVELOP AND REFINE COMPETENCIES IN THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES AND SKILLS IN ORDER TO FUNCTION EFFECTIVELY AS PROVIDERS OF PSYCHOLOGICAL SERVICES. MAY BE REPEA Required Previous: PSYCH-5173;

PSYCH-5563 Internship in Sports Psychology I **3 Credits**
THE STUDENT WILL SPEND AT LEAST 200 CLOCK HOURS IN A SUPERVISED EXPERIENCE IN SPORT PSYCHOLOGY. THE 200-HOUR SUPERVISED INTERNSHIP EXPERIENCE MAY CONSIST OF DIRECT CLIENT CONTACT, RESEARCH DESIGN AND DATA COLLECTION ACTIVITIES INVOLVING THE APPLICATION OF SPORT PSYCHOLOGY, SUPPORT ACTIVITIES (E.G., COMMUNITY ENGAGEMENT OR VOLUNTEERING OF SERVICES), AND MENTORSHIP EXPERIENCES (E.G., FIELD OBSERVATIONS, APPLICATION & OBSERVATION OF LEARNED SKILLS UNDER SUPERVISION, ETC.). THIS INTERNSHIP IS THE

PSYCH-5573 Practicum in Psychology II **3 Credits**
THE STUDENT WILL SPEND A MINIMUM OF 150 CLOCK HOURS IN SUPERVISED PRACTICAL EXPERIENCE IN PROFESSIONALLY APPROPRIATE COUNSELING AND PSYCHOLOGICAL ACTIVITIES AT A FACILITY ENGAGED IN FURNISHING PSYCHOLOGICAL, MEDICAL, REHABILITATIVE, COUNSELING, OR OTHER SOCIALLY RELEVANT HUMAN SERVICES TO A CLIENT POPULATION. STUDENTS WILL DEVELOP AND REFINE COMPETENCIES IN THE APPLICATION OF PSYCHOLOGICAL PRINCIPLES AND SKILLS IN ORDER TO FUNCTION EFFECTIVELY AS PROVIDERS OF PSYCHOLOGICAL SERVICES. Required Previous: Take PSYCH-5553

PSYCH-5622 Schl Psychological Serv **2 Credits**
AN EXAMINATION OF THE ETHICAL, LEGAL, AND PRACTICAL ISSUES IN PROVIDINGSCHOOL PSYCHOLOGICAL SERVICES.

PSYCH-5662 Practicum Schl Psychometry **2 Credits**
THIS PRACTICUM PROVIDES SUPERVISED EXPERIENCE DESIGNED TO DEVELOP THEREQUISITE LEVELS OF SKILL NECESSARY FOR COMPETENT PERFORMANCE AS ASCHOOL PSYCHOMETRIST. (150 CLOCK HRS.)

PSYCH-5691 Master's Thesis **1 Credit**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS. MAY BE REPEATED FOR A MAXIMUM OF 6 HOURS WITH DEPARTMENT APPROVAL.

PSYCH-5692 Master's Thesis **2 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5693 Master's Thesis **3 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5694 Master's Thesis **4 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5695 Master's Thesis **5 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5696 Master's Thesis **6 Credits**
EMPIRICAL RESEARCH ON A TOPIC PRIMARILY PSYCHOLOGICAL IN CONTENT, INCLUDING THE DEVELOPMENT OF A RESEARCH PROPOSAL, COLLECTION OF DATA, AND PREPARATON AND SUBMISSION OF AN ACCEPTABLE THESIS.

PSYCH-5703 Human Sexuality **3 Credits**
THIS COURSE EXAMINES THE SCIENTIFIC, PSYCHOLOGICAL, AND COUNSELING-BASED STUDY OF HUMAN SEXUALITY WITH A FOCUS ON THE ROLE THAT SEXUALITY PLAYS IN HUMAN INTERACTIONS AND DEVELOPMENT. THE COURSE HAS AN EMPHASIS ON UNDERSTANDING AND APPRECIATING THE ROLE OF SEXUALITY IN INDIVIDUALS, COUPLES, AND FAMILIES THROUGHOUT THE VARIOUS PHASES OF THE LIFE CYCLE. THIS INCLUDES TOPICS RELATING TO MAJOR PSYCHOLOGICAL THEORIES OF SEXUALITY, PATTERNS OF SEXUAL AROUSAL AND RESPONSE, THE DEVELOPMENT OF GENDER AND

PSYCH-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

PSYCH-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-5994 Individual Studies- 4 Credits
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Take 12 credits; From Subject PSYCH;

PSYCH-H1113 Honors-General Psychology 3 Credits
A SURVEY OF THE MAJOR AREAS IN PSYCHOLOGY INCLUDING MOTIVATION, PERCEPTION, LEARNING, MEMORY AND COGNITION, PHYSIOLOGY, PERSONALITY, SOCIAL PSYCHOLOGY, AND ABNORMAL BEHAVIOR AND TREATMENT.

PSYCH-H3114 Honors-Experimental Psych 4 Credits
AN APPLIED STUDY OF THE PROCEDURES AND METHODS OF EXPERIMENTAL RESEARCH IN PSYCHOLOGY. THE PURPOSE OF THIS COURSE IS FOR STUDENTS TO PARTICIPATE IN THE PLANNING, DESIGNING AND COMPLETION OF AN EXPERIMENTAL RESEARCH PROJECT.

PSYCH-H3463 Honors-Child & Adol Psych 3 Credits
A STUDY OF HUMAN DEVELOPMENT OF THE INDIVIDUAL FROM BIRTH THROUGH ADOLESCENCE WITH EMPHASIS ON APPLIED ISSUES IN PARENTING, EDUCATION, NURSING AND OTHER PROFESSIONAL HUMAN SERVICE FIELDS.

PSYCH-H4133 Honors-Abnormal Psychology 3 Credits
STUDY OF BEHAVIOR LIKELY TO BE LABELED ABNORMAL WITH EMPHASIS ON FACTORSINVOLVED IN ACQUISITION MAINTENANCE, AND CHANGE OF SUCH BEHAVIOR.

PSYCH-H4413 Honors-Psych of Personalty 3 Credits
THIS COURSE EXAMINES PERSONALITY PROCESSES AND THE VARIOUS THEORETICAL APPROACHES TO THE STUDY OF PERSONALITY INCLUDING PSYCHODYNAMIC, BEHAVIORAL, PHENOMENOLOGICAL, TRAIT, AND SOCIAL LEARNING THEORIES.

PSYCH-H4453 Honors-Adolescent Develop 3 Credits
THE PHYSICAL, MENTAL, SOCIAL AND EMOTIONAL DEVELOPMENT OF THE INDIVIDUALFROM PUBERTY THROUGH THE ONSET OF YOUNG ADULTHOOD WITH EMPHASIS ONPSYCHOLOGICAL THEORIES, DEVELOPMENTAL METHODOLOGY, AND RESEARCH.

PSYCH-H4983 Honors-Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-H4993 Honors-Individual Studies- 3 Credits
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-H5473 Honors-Adv Chldhd Adlscnce 3 Credits
SURVEY OF LITERATURE FROM VARIOUS FIELDS TO AID THE STUDENT IN UNDER-STANDING CHARACTERISTICS OF CHILDHOOD AND ADOLESCENT GROWTH AND DEVELOP-MENT. EMPHASIS IS UPON THE DEVELOPMENT OF SKILLS IN OBSERVING AND INTERPRETING THE BEHAVIOR OF CHILDREN AND ADOLESCENTS.

PSYCH-S4981 Seminar in Psychology (Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

PSYCH-S5981 Seminar in Psychology (Subject named in title listing) 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(PYSOC)

PYSOC-2213 Social Psychology 3 Credits
A STUDY OF THE PSYCHOLOGICAL ASPECT OF BEHAVIOR AS THESE ARE MODIFIED IN SOCIAL INTERACTION. Required Previous: PSYCH-1113 or SOC-1113;

PYSOC-H2213 Honors-Social Psychology 3 Credits
A STUDY OF THE PSYCHOLOGICAL ASPECT OF BEHAVIOR AS THESE ARE MODIFIED IN SOCIAL INTERACTION. Required Previous: SOC-1113 or PSYCH-1113

(RUSS)

RUSS-1113 Elementary Russian I 3 Credits
(THIS COURSE IS DESIGNED FOR STUDENTS WHO HAVE HAD NO PREVIOUS STUDY OFTHE RUSSIAN LANGUAGE.) STUDENTS BEGIN TO DEVELOP THE SKILLS OF LISTENING, SPEAKING, READING, AND WRITING RUSSIAN. STUDENTS ALSO LEARN INTERESTING INFORMATION ABOUT THE CULTURE OF RUSSIA.

RUSS-1223 Elementary Russian II 3 Credits
STUDENTS CONTINUE TO DEVELOP THE SKILLS WHICH THEY BEGAN IN THE PREVIOUS ELEMENTARY RUSSIAN COURSE. Required Previous: RUSS-1113

RUSS-2881 Special Studies in Russian 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-2882 Special Studies in Russian 2 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-2883 Special Studies- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-2884 Special Studies in Russian 4 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4981 Seminar in Russian **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4982 Seminar in Russian **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4983 Seminar in Russian **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4984 Seminar in Russian **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4991 Individual Study in Russian **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4992 Individual Study in Russian **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4993 Individual Study in Russian **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-4994 Individual Study in Russian **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-H2883 Honors-Special Study in Russian **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

RUSS-H4983 Honors-Seminar in Russian **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

(SCIED)

SCIED-3412 Hist & Philosophy of Sci **2 Credits**
HISTORICAL DEVELOPMENT OF SCIENCE CONCEPTS AND PHILOSOPHY BEGINNING WITHTHE EARLY GREEK AND CONTINUING TO THE PRESENT. THIS COURSE IS DESIGNED ESPECIALLY FOR SCIENCE TEACHERS.

SCIED-3513 Sci Mthds & Mtrls Sr Hi Sch **3 Credits**
CURRENT PHILOSOPHY, GOALS AND METHODS OF SCIENCE TEACHING IN THE SENIORHIGH SCHOOL, FAMILIARIZING THE STUDENT WITH RECENTLY DEVELOPED PROGRAMSIN EACH OF THE SCIENCE AREAS.

SCIED-3732 Env Stu Elem/Jr Hi/Mid Sch **2 Credits**
INTRODUCES THE ELEMENTARY, JUNIOR HIGH OR MIDDLE SCHOOL TEACHER TO CURRENT APPROACHES USED TO INVOLVE CHILDREN IN MAINTAINING A QUALITY ENVIRONMENT.

SCIED-5412 Science for Secon Teacher **2 Credits**

SCIED-S4981 Need Name (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SCIED-S4982 Seminar in Science Methods and Materials (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SCIED-S5981 Seminar in Science Methods and Materials (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SCIED-S5982 Seminar in Science Methods and Materials (Subject named in title listing) **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SCIED-S5983 Seminar in Science Methods and Materials (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(SFA)

SFA-1000 Cultural Attendance **0 Credits**
A NON-CREDIT COURSE IN WHICH SCHOOL OF FINE ARTS STUDENTS WILL SELECT FIVE CULTURAL EVENTS TO ATTEND, THEY MUST SELECT ONE FROM EACH OF THE FOLLOWING AREAS: ART, PRESENTATIONS, MUSIC, MASS COMMUNICATION, THEATRE OR DANCE. THE COURSE PROVIDES AN OPPORTUNITY TO DEVELOP A BROADER CULTURAL AWARENESS ACROSS DISCIPLINES. EACH SFA STUDENT MUST ENROLL 2 TIMES FOR GRADUATION. MUSIC STUDENTS MAY APPLY ATTENDANCE AT MUSICAL PERFORMANCES TOWARD MUS 1000 RECITAL ATTENDANCE.

(SOC)

SOC-1113 Introductory Sociology **3 Credits**
A GENERAL SURVEY OF THE FIELD OF SOCIOLOGY, THE ORIGIN AND DEVELOPMENT OF SOCIAL INSTITUTIONS, SOCIAL PROCESSES.

SOC-2113 Social Problems **3 Credits**
SOME OF THE MORE IMPORTANT CURRENT SOCIAL PROBLEMS SUCH AS POVERTY, DELINQUENCY, CRIMINALITY, AND MIGRATION, ALSO A CONSIDERATION OF AGENCIES FOR SOLUTION.

SOC-2613 Gender and Society **3 Credits**
AN ANALYSIS OF THE GENETIC AND CULTURAL DETERMENANTS OF GENDER DIFFERENCES AND THE IMPORTANCE OF GENDER IN DIFFERENT SOCIETIES.

SOC-2723 Introduction to Physical Anthropology **3 Credits**
AN EXAMINATION OF THE PHYSICAL DEVELOPMENT OF HUMANKIND, INCLUDING A SURVEY OF PRIMATES, HUMAN EVOLUTION, AND HUMAN PHYSICAL DIVERSITY.

SOC-2813 Sociology of Religion **3 Credits**
AN EXAMINATION OF SOCIOLOGICAL THEORIES OF RELIGION, RELIGIOUS DIVERSITY IN AMERICAN LIFE, AND THE DEVELOPMENT OF RELIGIOUS GROUPS.

SOC-2881 Special Studies- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2882 Special Studies- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2883 Special Studies- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2884 Special Studies- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-2913 Sociology of Sport **3 Credits**
THE SOCIOLOGICAL STUDY OF SPORT, BOTH IN ITS CULTURAL ASPECTS AND IN ITS INSTITUTIONAL ASPECTS, IS THE SUBJECT OF THIS COURSE. THE SOCIOLOGY OF SPORT IS AN ATTEMPT TO STUDY THE SOCIAL ROLES AND FUNCTIONS OF SPORT, HOW IT AFFECTS SOCIETY AND HOW SOCIETIES AFFECT SPORT. SPECIFICALLY, WE STUDY THE DEVELOPMENT OF MODERN SPORT, THE RELATIONSHIP BETWEEN CULTURE AND SPORT, THE RELATIONSHIP BETWEEN RELIGION AND SPORT, SOCIALIZATION INTO SPORT, DEVIANCE AND SPORT, HIGH SCHOOL, COLLEGE AND PROFESSIONAL SP

SOC-3003 Native American Sociology **3 Credits**
IN THIS CLASS STUDENTS WILL EXAMINE THE SOCIOLOGY OF (NORTH AMERICAN) NATIVE AMERICAN CULTURES. TOPICS AND THEMES WILL EXPLORE THE DIVERSITY OF NATIVE AMERICAN CULTURES, THEIR PAST, AND THEIR PLACE IN CURRENT SOCIAL CONTEXTS INCLUDING CITIES.

SOC-3113 Juvenile Delinquency **3 Credits**
CAUSES LEADING TO DELINQUENCY, METHODS OF CONTROL.

SOC-3133 Majority/Minorty Relations **3 Credits**
A STUDY OF MAJORITY/MINORITY GROUP RELATIONSHIPS CONCENTRATING ON THEDYNAMICS AND CONSEQUENCES OF PREJUDICE, DISCRIMINATION, AND RELATED FACTORS.

SOC-3313 Marriage and the Family **3 Credits**
A HISTORY OF THE FAMILY AS A SOCIAL AND EDUCATIONAL INSTITUTION, PROBLEMS CONFRONTING THE MODERN FAMILY.

SOC-3413 Sociological Theory **3 Credits**
A STUDY OF CLASSICAL AND CONTEMPORARY SOCIOLOGICAL THEORY.

SOC-3523 Social Stratification **3 Credits**
AN ANALYSIS OF BASIC SOCIAL STRATIFICATION SYSTEMS IN SELECTED SOCIETIES.

SOC-3723 Human Sexuality **3 Credits**
AN EXAMINATION OF THE PHYSIOLOGY, DEVELOPMENT, SOCIAL STRUCTURING, AND CROSS-CULTURAL DIVERSITY OF HUMAN SEXUALITY. AN EMPHASIS WILL BE PLACEDON THE SOCIALIZATION OF INDIVIDUALS TO FIT PRESCRIBED SEXUAL ROLES AND T HE CONSEQUENCES OF SUCH SOCIALIZATION.

SOC-3833 Statistics for Social Sciences **3 Credits**
AN INTRODUCTION TO STATISTICAL CONCEPTS AND TECHNIQUES WHICH ARE USED IN SOCIOLOGY, PSYCHOLOGY, EDUCATION AND SOCIAL RESEARCH.

SOC-4323 Deviance and Social Control **3 Credits**
DESCRIPTION, COMPARISON, AND ANALYSIS OF THEORIES AND RESEARCH ON DEVIANCE AND SOCIAL CONTROL TECHNIQUES.

SOC-4813 Methods & Techniques of Research **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SOCIAL RESEARCH.

SOC-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SOC-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) hours of Social Studies

SOC-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) of Social Studies

SOC-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) hours of Social Studies

SOC-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS. Required Previous: Eight (8) hours of Social Studies

SOC-H1113 Honors-Intro Sociology **3 Credits**
A GENERAL SURVEY OF THE FIELD OF SOCIOLOGY, THE ORIGIN AND DEVELOPMENT OF SOCIAL INSTITUTIONS, SOCIAL PROCESSES.

SOC-H2813 Honors-Sociology of Religion **3 Credits**
AN EXAMINATION OF SOCIOLOGICAL THEORIES OF RELIGION, RELIGIOUS DIVERSITY IN AMERICAN LIFE, AND THE DEVELOPMENT OF RELIGIOUS GROUPS.

SOC-H3133 Honors-Maj/Min Relations **3 Credits**
A STUDY OF MAJORITY/MINORITY GROUP RELATIONSHIPS CONCENTRATING ON THEDYNAMICS AND CONSEQUENCES OF PREJUDICE, DISCRIMINATION, AND RELATEDFACTORS.

SOC-H3313 Honors-Marriage & Family **3 Credits**
A HISTORY OF THE FAMILY AS A SOCIAL AND EDUCATIONAL INSTITUTION, PROBLEMS CONFRONTING THE MODERN FAMILY.

SOC-H3413 Honors-Sociological Theory **3 Credits**
A STUDY OF CLASSICAL AND CONTEMPORARY SOCIOLOGICAL THEORY.

SOC-H3723 Honors-Human Sexuality **3 Credits**
AN EXAMINATION OF THE PHSIOLOGY, DEVELOPMENT, SOCIAL STRUCTURING, ANDCROSS-CULTURAL DIVERSITY OF HUMAN SEXUALITY. AN EMPHASIS WILL BE PLACEDON THE SOCIALIZATION OF INDIVIDUALS TO FIT PRESCRIBED SEXUAL ROLES AND THE CONSEQUENCES OF SUCH SOCIALIZATION.

SOC-H4813 Honors-Mthd & Tech Resrch **3 Credits**
BASIC TECHNIQUES AND METHODS OF INVESTIGATION AND PRESENTATION OF DATA RELATED TO SOCIAL RESEARCH.

SOC-H4983 Honors-Seminar- 3 Credits
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-S4981 Seminar- 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

SOC-S5981 Seminar- 1 Credit
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(SOSTU)

SOSTU-4873 Methods in Secondary Social Studies 3 Credits
THIS COURSE WILL FOCUS ON THE DEVELOPMENT OF CITIZENSHIP SKILLS, THE ACQUISITION OF PROFESSIONAL SKILLS, DEVELOPMENT OF MATERIALS, AND THE USE OF RESOURCES FOR SECONDARY INSTRUCTION IN THE SOCIAL STUDIES. SPECIFIC ACTIVITIES WITHIN THE COURSE WILL ADDRESS LOCAL AND GLOBAL REPRESENTATIVE CULTURES FOR THE PURPOSES OF EFFECTIVE CITIZENSHIP ENGAGEMENT. Required Previous: Twenty hours in History or deparmental approval

(SOWK)

SOWK-2083 Human Behavior and Social Environment I 3 Credits
THEORETICAL FRAMEWORKS DRAWN FROM THE BIOLOGICAL, SOCIAL, AND BEHAVIORAL SCIENCES FOR UNDERSTANDING ACROSS THE LIFE SPAN AND THE RANGE OF SOCIAL SYSTEMS IN WHICH PEOPLE LIVE, AND THE WAYS SOCIAL SYSTEMS PROMOTE OR DETER ACHIEVEMENT OF HEALTH AND WELL-BEING. EXPLORED IS THE IMPACT OF FACTORS INCLUDING ETHNICITY, RACE, CLASS, AGE, GENDER, SEXUAL ORIENTATION, DISABILITY, AND CULTURE ON HUMAN DEVELOPMENT AND BEHAVIOR.

SOWK-2113 Human Diversity and Social Justice 3 Credits
THIS COURSE FOCUSES ON ISSUES OF HUMAN DIVERSITY AND SOCIAL JUSTICE. ELEMENTS OF MULTICULTURALISM, DISCRIMINATION AND OPPRESSION WILL ALSO BE EXPLORED. THIS COURSE IS DESIGNED TO ASSIST SOCIAL WORK STUDENTS TO BE KNOWLEDGEABLE OF SOCIETAL AND PERSONAL BIASES BASED ON RACE, ETHNICITY, CULTURE, RELIGION, AGE, SEX, SEXUAL ORIENTATION, SOCIAL AND ECONOMIC STATUS, POLITICAL IDEOLOGY AND/OR DISABILITY. STUDENTS WILL LEARN AND GAIN UNDERSTANDING ABOUT DIVERSE POPULATIONS, FOCUSING ON THE DISCRIMINATION

SOWK-2273 Introduction to Social Work and Social Welfare 3 Credits
PROVIDES STUDENTS WITH AN OVERVIEW OF SOCIAL WORK AS A PROFESSION, ITS HISTORICAL DEVELOPMENT, AND KNOWLEDGE, VALUE, AND SKILLS FOR PRACTICE. INFORMED SENSITIVITY TO ALL ASPECTS OF HUMAN DIVERSITY IS EMPHASIZED AND THE ADVOCACY ROLE OF SOCIAL WORKERS WITH OPPRESSED AND DEVALUED POPULATIONS. HISTORY, DEVELOPMENT, AND PHILOSOPHY OF THE SOCIAL WELFARE INSTITUTION IN U.S. SOCIETY AND THE ROLE OF THE PROFESSION IS EXPLORED.

SOWK-2511 Field Work Study Social Work 1 Credit
FIELD EXPERIENCE IN A SOCIAL SERVICES AGENCY OR ORGANIZATION, INCLUDING THOSE SERVING OLDER ADULTS. EMPHASIS IS ON USE OF SELF IN THE HELPING PROCESS AND EXPLORATION OF SOCIAL WORK AS A CAREER.

SOWK-2521 Professional Skills for Social Work and Social Welfare 1 Credit
THE COURSE BUILDS UPON AND REINFORCES THE FOUNDATION OF GENERALIST SOCIAL WORK KNOWLEDGE, VALUES, ETHICS, ATTITUDES, AND SKILLS INTRODUCED IN THE SOWK 2273 INTRODUCTIONS TO SOCIAL WORK COURSE. STUDENTS WILL LEARN ABOUT VARIOUS TYPES OF SOCIAL WORK WRITING INCLUDING APA, CASE NOTES AND PROCESS RECORDINGS, AND COURT AND AGENCY REPORTS. STUDENTS WILL ALSO STUDY THE CODE OF ETHICS OF THE NATIONAL ASSOCIATION OF SOCIAL WORKERS AND PRACTICE ETHICAL DECISION-MAKING. THE COURSE REINFORCES THE SKILLS NEC

SOWK-3013 Social Work Practice I 3 Credits
ONLY SOCIAL WORK MAJORS MAY BE ENROLLED IN THIS COURSE. THE FIRST COURSE IN THE SOCIAL WORK PRACTICE CURRICULUM SEQUENCE, EMPHASIZES THE PREPARATION OF STUDENTS FOR COMPETENT STRENGTHS-ORIENTED ACTION WITH INDIVIDUALS, FAMILIES, GROUPS, ORGANIZATIONS, AND COMMUNITIES THROUGH USE OF PROFESSIONAL KNOWLEDGE, VALUES AND SKILLS. A GENERALIST PRACTICE FRAMEWORK USING A PROBLEM SOLVING MODEL APPROACH IS THE CONTEXT FOR THE COURSE. STUDENTS ARE INTRODUCED TO RELEVANT THEORETICAL AND CONCEPTUAL FRAMEWORK Required Previous: SOWK-2273

SOWK-3113 Leadership for Helping Professionals 3 Credits
THIS COURSE WILL HELP TO PREPARE INDIVIDUALS IN THE HUMAN SERVICES FIELD TO ASSUME THE ROLE OF LEADER WITHIN THEIR ORGANIZATION. CONTENT WILL PROVIDE STUDENTS WITH THE KNOWLEDGE, VALUES AND SKILLS NEEDED TO LEAD WITHIN COMPLEX HUMAN SERVICES AGENCIES. STUDENTS WILL LEARN THE CHARACTERISTICS THAT DEFINE POSITIVE EXECUTIVE LEADERSHIP AND UTILIZE A COMBINATION OF SELF-REFLECTION AND ASSESSMENT TO IDENTIFY AND REFINE THESE CHARACTERISTICS THAT THE STUDENT POSSESSES. STUDENTS WILL EXPLORE THEORIES, M

SOWK-3213 Child Welfare 3 Credits
THIS COURSE PROVIDES STUDENTS WITH A BROAD OVERVIEW AND HISTORY OF THE CHILD WELFARE FIELD OF PRACTICE, THE PUBLIC CHILD WELFARE SYSTEM, AND THE ROLE OF SOCIAL WORKERS AS THEY WORK WITH VULNERABLE AND AT-RISK CHILDREN AND FAMILIES. FOCUS OF THE COURSE IS ON THE DYNAMICS OF CHILD ABUSE (SEXUAL AND PHYSICAL) AND CHILD NEGLECT, AS WELL AS PREVENTION AND APPROPRIATE INTERVENTIONS TO ADDRESS THEIR ELIMINATION. STUDENTS WILL ALSO GAIN AN UNDERSTANDING OF THE LAWS AND SOCIETAL MECHANISMS FOR CHILD PROT

SOWK-3363 Social Work With Special Populations 3 Credits
THIS COURSE IS DESIGNED TO HELP THE STUDENT DEVELOP A PERCEPTION OF THE KNOWLEDGE AND SKILLS NEEDED FOR WORKING WITH SPECIAL POPULATIONS GROUPS, SUCH AS ELDERLY, POOR, WOMEN, AND MINORITIES. THE COURSE WILL ADDRESS SUCH ISSUES AS SOCIAL WELFARE, SOCIAL SERVICES, SOCIAL AGENCY BUREAUCRACIES, SEXISM, AGEISM, AND CLASS DISCRIMINATION.

SOWK-3613 Social Welfare Policy and Services 3 Credits
THIS COURSE PREPARES STUDENTS TO UNDERSTAND HOW POLICY AFFECTS SERVICE DELIVERY AND HOW TO ACTIVELY ENGAGE IN POLICY PRACTICE TO ADVANCE AND IMPROVE THE QUALITY OF SOCIAL SERVICES. CONTENT INCLUDES THE HISTORY AND CURRENT STRUCTURE OF POLICIES AND SERVICES, THE

ROLE OF POLICY IN SERVICE DELIVERY, AND THE ROLE OF PRACTICE IN POLICY DEVELOPMENT. STUDENTS ANALYZE, PROPOSE, AND FORMULATE POLICIES THAT ADVANCE SOCIAL WELL-BEING. THE ADVANCEMENT OF HUMAN RIGHTS AND SOCIAL AND ECONOMIC JUSTICE PROVIDES Required Previous: SOWK-2273

SOWK-3833 Research Methods in Social Work **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO SYSTEMATIC APPROACHES TO SCIENTIFIC THINKING NECESSARY FOR KNOWLEDGE BUILDING AND EVALUATING ONE'S OWN PRACTICE AND PRACTICE THAT INFORMS RESEARCH. CRITICAL THINKING AND ANALYSIS SKILLS ARE EMPHASIZED WITHIN THE CONTEXT OF ETHICAL SCIENTIFIC INQUIRY AND PRACTICE. STUDENTS APPLY RESEARCH TO EVALUATION OF PRACTICE AND IMPROVEMENT OF PRACTICE, POLICY, AND SOCIAL SERVICES DELIVERY.

SOWK-4113 The Indian Child Welfare Act **3 Credits**
THE INDIAN CHILD WELFARE ACT (ICWA) WILL BE INTRODUCED TO STUDENTS WITH FOCUS ON UNDERSTANDING THE ACT, ITS HISTORICAL CONTEXT, AND APPLICATION IN TODAY'S SOCIAL WELFARE SYSTEM. DEVELOPMENT OF KNOWLEDGE AND APPRECIATION FOR NATIVE AMERICAN INDIAN CULTURE IN U.S. SOCIETY AND IN OKLAHOMA WILL ALSO BE A COURSE GOAL. THIS COURSE WILL ENCOURAGE STUDENT PARTICIPATION IN A CULTURALLY DIVERSE LEARNING ENVIRONMENT.

SOWK-4423 Human Behavior and Social Environment II **3 Credits**
THIS IS THE SECOND COURSE IN THE HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT CURRICULUM SEQUENCE THAT BUILDS ON COMPETENCIES FROM HURES 2083 AND KNOWLEDGE FROM LIBERAL ARTS. EMPHASIZED IS THE RANGE OF SOCIAL SYSTEMS IMPACTING ON SOCIAL FUNCTIONS AND WELL-BEING, AS WELL AS THE DIMENSIONS OF HUMAN DIVERSITY WHICH MAY OPPRESS, MARGINALIZE, AND ALIENATE PEOPLE IN THE ENVIRONMENT. CONTENT FOCUSES ON HOW SOCIAL WORKERS RESPOND TO EVOLVING ORGANIZATIONAL, COMMUNITY, AND SOCIETAL CONTEXTS AT ALL LEVELS OF PRA Required Previous: HURES-2083

SOWK-4494 Social Work Practice II **4 Credits**
ONLY SOCIAL WORK MAJORS MAY ENROLL IN THIS COURSE. THE SECOND COURSE IN THE SOCIAL WORK PRACTICE CURRICULUM SEQUENCE, WHICH PREPARES STUDENTS FOR GENERALIST PRACTICE WITHIN THE CONTEXT OF THE PROBLEM-SOLVING MODEL APPROACH. EMPHASIS IS ON PREPARING STUDENTS FOR COMPETENT STRENGTH-ORIENTED PRACTICE USING RELEVANT KNOWLEDGE, VALUES, SKILLS TO WORK WITH INDIVIDUALS, FAMILIES, GROUPS, ORGANIZATIONS, AND COMMUNITIES, WHICH ENCOMPASSES WORK WITH DIVERSE PERSONS, INCLUDING OLDER ADULTS. FOCUS IS ON THE

SOWK-4892 Integrative Seminar in Social Work **2 Credits**
THIS COURSE TAKEN CONCURRENTLY WITH THE SOCIAL WORK INTERNSHIP, PROVIDES STUDENTS THE OPPORTUNITY TO REFLECT ON THE APPLICATION OF THE THEORETICAL AND CONCEPTUAL CONTRIBUTION OF THE CLASSROOM AND FIELD AS PREPARATION FOR GENERALIST PRACTICE. THE SEMINAR IS A FORUM FOR EXCHANGE OF IDEAS AND EXPERIENCES RELATIVE TO PRACTICE ISSUES, PROFESSIONAL DEVELOPMENT, THE HELPING PROCESS, AND SOCIAL WORK VALUES AND ETHICS. THE SEMINAR IS FURTHER DEFINED BY EVALUATION FO STUDENT LEARNING AND COMPETENCY BUILDI Required Previous or Concurrent: SOWK-4941 or SOWK-4942 or SOWK-4943 or SOWK-4944 or SOWK-4945 or SOWK-4946 or SOWK-4947 and Departmental Approval

SOWK-4946 Internship in Social Work I **6 Credits**
THE SOCIAL WORK INTERNSHIP SOCIALIZES STUDENTS TO PERFORM IN THE ROLE OF PRACTITIONER. THE THEORETICAL AND CONCEPTUAL CONTRIBUTION OF THE CLASSROOM IS CONNECTED TOT HE PRACTICE SETTING, WHERE INTERNS DEMONSTRATE ACHIEVEMENT OF THE PROGRAMS' GENERALIST PRACTICE COMPETENCIES AND CORRESPONDING BEHAVIORS. THIS 224 HOUR INTERNSHIP (TOTAL OF 448 HOURS FOR THE TWO REQUIRED SECTIONS OF INTERNSHIP) IS SYSTEMATICALLY DESIGNED AND SUPERVISED THROUGH COORDINATION OF THE PROGRAM AND PRACTICE SETTING.

SOWK-4976 Internship in Social Work II **6 Credits**
THIS IS THE SECOND SECTION OF THE REQUIRED INTERNSHIP IN SOCIAL WORK. IT MAY BE TAKEN CONCURRENTLY WITH THE FIRST SECTION OR AFTER COMPLETING IT. STUDENTS WILL CONTINUE TO PERFORM IN THE ROLE OF PRACTITIONER AND APPLY THE THEORETICAL AND CONCEPTUAL CONCEPTS OF THE CLASSROOM TO THE PRACTICE SETTING. THIS 224-HOUR INTERNSHIP (TOTAL OF 448 HOURS FOR THE TWO REQUIRED SECTIONS OF INTERNSHIP) IS SYSTEMATICALLY DESIGNED AND SUPERVISED THROUGH COORDINATION OF THE PROGRAM AND PRACTICE SETTING.

SOWK-4981 Seminar in Social Work (Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4982 Seminar in Social Work (Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4983 Seminar in Social Work (Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4984 Seminar in Social Work (Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM AREA.

SOWK-4991 Individual Study (Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROJECT. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-4992 Individual Study (Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-4993 Individual Study (Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-4994 Individual Study (Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM. OPEN ONLY TO SELECTED UNDERGRADUATES.

SOWK-H3613 Honors-Social Welfare Policy and Services **3 Credits**
THIS COURSE PREPARES STUDENTS TO UNDERSTAND HOW POLICY AFFECTS SERVICE DELIVERY AND HOW TO ACTIVELY ENGAGE IN POLICY PRACTICE TO ADVANCE AND IMPROVE THE QUALITY OF SOCIAL SERVICES. CONTENT INCLUDES THE HISTORY AND CURRENT STRUCTURE OF POLICIES AND SERVICES; THE

ROLE OF POLICY IN SERVICE DELIVERY; AND THE ROLE OF PRACTICE IN POLICY DEVELOPMENT. STUDENTS ANALYZE, PROPOSE, AND FORMULATE POLICIES THAT ADVANCE SOCIAL WELL-BEING. THE ADVANCEMENT OF HUMAN RIGHTS AND SOCIAL AND ECONOMIC JUSTICE PROVIDES Required Previous: SOWK-2273

SOWK-H4494 Honors-Social Work Practice II **4 Credits**
THE SOCIAL WORK INTERNSHIP SOCIALIZES STUDENTS TO PERFORM IN THE ROLE OF PRACTITIONER. THE THEORETICAL AND CONCEPTUAL CONTRIBUTION OF THE CLASSROOM IS CONNECTED TOT HE PRACTICE SETTING, WHERE INTERNS DEMONSTRATE ACHIEVEMENT OF THE PROGRAMS' GENERALIST PRACTICE COMPETENCIES AND CORRESPONDING BEHAVIORS. THIS 448 HOUR INTERNSHIP IS SYSTEMATICALLY DESIGNED AND SUPERVISED THROUGH COORDINATION OF THE PROGRAM AND PRACTICE SETTING.

(SPAN)

SPAN-1113 Elementary Spanish I **3 Credits**
PRONUNCIATION, ELEMENTS OF GRAMMAR, EASY READING, CONVERSATION.

SPAN-1223 Elementary Spanish II **3 Credits**
CONTINUATION OF 1113, FUNDAMENTALS OF GRAMMAR, READING OF INCREASED DIFFICULTY, CONVERSATION.

SPAN-2113 Intermediate Spanish I **3 Credits**
EXTENSIVE READING IN SPANISH TOGETHER WITH CONVERSATION BASED ON THESE READINGS, REVIEW OF SPANISH GRAMMAR.

SPAN-2223 Intermediate Spanish II **3 Credits**
SPANISH READING, CONVERSATION BASED ON READINGS.

SPAN-3223 Spanish Literature Since 1800 **3 Credits**
SURVEY OF SPANISH LITERATURE FROM 1800 TO THE PRESENT TIME.

SPAN-3233 Spanish Culture and Civilization **3 Credits**
THIS COURSE EXPLORES THE DEVELOPMENT OF THE CULTURE AND CIVILIZATION OF SPAIN. CONDUCTED MOSTELY IN SPANISH.

SPAN-3243 Spanish American Culture & Civilization **3 Credits**
THIS COURSE EXPLORES THE DEVELOPMENT OF THE CULTURE AND CIVILIZATION OF SPANISH AMERICA. CONDUCTED MOSTELY IN SPANISH.

SPAN-3313 Spanish American Literature **3 Credits**
READINGS OF REPRESENTATIVE TYPES OF SPANISH AMERICAN LITERATURE FROM SPANISH-SPEAKING COUNTRIES IN THE AMERICAS. CONDUCTED MOSTLY IN SPANISH.

SPAN-3333 Peninsular Spanish Literature **3 Credits**
STUDY OF REPRESENTATIVE WORKS BY MAJOR SPANISH AUTHORS. CONDUCTED MOSTLY IN SPANISH.

SPAN-3343 The Hispanic Presence in the US **3 Credits**
THIS COURSE TREATS HISPANICS IN THE U.S. AND THEIR CONTRIBUTIONS TO AMERICAN SOCIETY AND CULTURE. CONDUCTED MOSTLY IN SPANISH.

SPAN-3413 Advanced Spanish Composition and Conversation **3 Credits**
LARGELY CONDUCTED IN SPANISH, THIS COURSE IS DESIGNED TO DEVELOP THE STUDENT'S ABILITY TO SPEAK AND WRITE THE LANGUAGE CORRECTLY.

SPAN-3613 Conversational Spanish **3 Credits**
DIRECTED STUDY IN SPECIAL TOPICS. MAY BE REPEATED WITH DIFFERENT TOPIC. CONDUCTED MOSTLY IN SPANISH.

SPAN-4123 Advanced Spanish Grammar **3 Credits**
STUDY OF SPECIFIC GRAMMATICAL STRUCTURES, WITH SPECIAL FOCUS ON THE SUBJUNCTIVE. CONDUCTED MOSTLY IN SPANISH.

SPAN-4133 Advanced Spanish Composition **3 Credits**
THIS COURSE FOCUSES ON WRITING EFFECTIVELY IN SPANISH WITH SENSITIVITY TO SUBJECT, PURPOSE, AND AUDIENCE. CONDUCTED MOSTLY IN SPANISH.

SPAN-4143 Advanced Spanish Conversation **3 Credits**
THIS COURSE FOCUSES ON IMPROVING STUDENT ABILITY TO CONVERSE FLUENTLY IN SPANISH FOR VARIOUS PURPOSES AND ON A VARIETY OF TOPICS. CONDUCTED MOSTLY IN SPANISH.

SPAN-4313 Spanish Civilization **3 Credits**
THIS COURSE INVOLVES TRAVEL AND FIELD STUDY OF HISPANIC CULTURE IN STUDY CENTERS IN SPAIN AND/OR SPANISH AMERICA.

SPAN-4413 Methods of Teaching Spanish **3 Credits**
(TAUGHT IN ENGLISH) STUDENTS STUDY AND PRACTICE CURRENT METHODOLOGIES AND STRATEGIES FOR TEACHING SPANISH IN GRADES K-12.

SPAN-4513 The Span Lang:hist Dev & Linguis **3 Credits**
THIS COURSE EXAMINES THE ORIGINS AND HISTORICAL DEVELOPMENT OF THE SPANISH LANGUAGE AS WELL AS LINGUISTIC VARIATIONS OF SPANISH IN THE DIFFERENT COUNTRIES OF THE SPANISH SPEAKING WORLD. CONDUCTED MOSTLY IN SPANISH.

SPAN-4981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-4991 Individual Studies- **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-4992 Individual Studies- **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-4993 Individual Studies- **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-4994 Individual Studies- **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTELY IN SPANISH.

SPAN-5981 Seminar- **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5982 Seminar- **2 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5983 Seminar- **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5984 Seminar- **4 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON DEFINITE PROBLEM OR SPECIAL SUBJECT, BASED ON APPROVED OUTLINE OR PLAN, CONFERENCES, ORAL AND WRITTEN REPORTS.

SPAN-H1223 Honors - Elementary Spanish II **3 Credits**
CONTINUATION OF 1113, FUNDAMENTALS OF GRAMMAR, READING OF INCREASED DIFFICULTY, CONVERSATION.

SPAN-H3223 Honors-Spanish Literature Since 1800 **3 Credits**
SURVEY OF SPANISH LITERATURE FROM 1800 TO THE PRESENT TIME.

SPAN-H4983 Honors-Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIFIED SUBJECT. MAY BE REPEATED WITH DIFFERENT SUBJECT. CONDUCTED MOSTLY IN SPANISH.

SPAN-S5981 Seminar in Spanish (Subject named in title listing) **1 Credit**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

SPAN-S5983 Seminar in Spanish (Subject named in title listing) **3 Credits**
DIRECTED INTENSIVE STUDY ON SELECTED PROBLEM OR SPECIAL TOPIC.

(THEA)

THEA-1001 Introduction to Theatre Studies **1 Credit**
THIS COURSE SHOULD BE TAKEN BY FIRST SEMESTER THEATRE MAJORS, WHETHER THEY ARE TRANSFER STUDENTS, FRESHMEN, OR NEW TO THE MAJOR. IT WILL INTRODUCE PRACTICES UNIQUE TO THE ACADEMIC STUDY OF THEATRE, INCLUDING TIME-MANAGEMENT TECHNIQUES TO BALANCE SCHOOL WORK AND REHEARSAL, AUDITION PRACTICES, AND OTHER EXPECTATIONS OF STUDENTS IN THE MAJOR. GRADING IS PASS/FAIL. FALL ONLY.

THEA-1413 Acting I **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH SOLO PERFORMANCE AND MONOLOGUE. EMPHASIS ON IDENTIFYING OBJECTIVES THROUGH A THOROUGH STUDY OF TEXT AND COMMUNICATION OF INTENTIONS AND ACTIONS.

THEA-2001 Sophomore Experience **1 Credit**
THIS COURSE IS A CONTINUATION OF INTRO TO THEATRE STUDIES, DELVING DEEPER INTO AREAS OF STUDENT INTEREST AND POSSIBLE CAREERS ON-STAGE AND OFF. Required Previous: THEA-1001

THEA-2333 Theatre in Life **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST INTHEATRE. BOTH THEATRE THEORIES AND PRACTICES WILL BE EXAMINED.

THEA-2423 Acting II **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH SCENE STUDY. EMPHASIS ON LISTENING AND RESPONDING WHILE ACTIVELY PURSUING AN OBJECTIVE WITH A PARTNER IN DUET SCENES. ACTING I (1413) IS NOT A PREREQUISITE.

THEA-2441 Theatre Production **1 Credit**
PARTICIPATION IN ACTING AND/OR TECHNICAL ASSIGNMENTS IN COLLEGE PRODUCTIONS. MAY BE REPEATED. MAY NOT BE TAKEN CONCURRENTLY WITH 2241.

THEA-2453 Introduction to Technical Theatre **3 Credits**
AN INTRODUCTION TO THE TERMINOLOGY AND PRACTICES OF TECHNICAL THEATRE PRODUCTION. EXPLORATION OF MODERN THEATRICAL PRODUCTION. EMPHASIS ON PRACTICAL APPLICATION OF TECHNICAL THEATRE THEORIES AND CONCEPTS.

THEA-2881 Special Studies-(Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-2882 Special Studies-(Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-2883 Special Studies-(Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-2884 Special Studies-(Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-3001 Resume Techniques **1 Credit**
STUDENTS WILL LEARN BASIC RESUME AND SELF-MARKETING TECHNIQUES, AS WELL AS PREPARING PROPOSALS FOR SENIOR PROJECTS. RECOMMENDED IN THE SECOND SEMESTER OF THE STUDENT'S JUNIOR YEAR. GRADING IS PASS/FAIL.

THEA-3353 Theatre History Before 1800 **3 Credits**
A SURVEY OF THEATRE HISTORY FROM ITS ORIGINS IN ANTIQUITY TO 1800 BCE. STUDENTS WILL ENCOUNTER A BROAD KNOWLEDGE OF DRAMATIC LITERATURE, PERFORMANCE TRADITIONS, AND ARTISTIC MOVEMENTS FROM THIS PARTICULAR PERIOD IN HISTORY.

THEA-3363 Theatre History After 1800 **3 Credits**
A SURVEY OF THEATRE HISTORY FROM 1800 BCE THROUGH THE PRESENT. STUDENTS WILL ENCOUNTER A BROAD KNOWLEDGE OF DRAMATIC LITERATURE, PERFORMANCE TRADITIONS, AND ARTISTIC MOVEMENTS FROM THIS PARTICULAR PERIOD IN HISTORY.

THEA-3413 Play Directing **3 Credits**
INTRODUCTION TO BASIC DIRECTING TECHNIQUES. SCRIPT ANALYSIS, MOVEMENT, STAGE PICTURES, TECHNICAL PREPARATION, BACKSTAGE ORGANIZATION, PROMPT BOOK PREPARATION. ACTUAL PRODUCTION OF ONE-ACT PLAY IN STUDIO ENVIRONMENT.

THEA-3433 Stagecraft & Scene Design **3 Credits**
CLASSROOM DISCUSSION OF BASIC SCENE DESIGN CONVENTIONS AND STRATEGIES. APPLICATION OF DESIGN AND CONSTRUCTION TOOLS, MATERIALS, AND TECHNIQUES IN RELATION TO ECU THEATRE AND OTHER PROJECTS.

THEA-3453 Stage Lighting and Sound **3 Credits**
BASIC STAGE LIGHTING AND SOUND EFFECTS AND ENHANCEMENT CONVERSIONS. APPLICATION OF TOOLS, MATERIALS, AND TECHNIQUES IN RELATION TO ECU THEATRE AND SELECTED PROJECTS.

THEA-3483 Musical Theatre Workshop **3 Credits**
STUDY OF A SMALL-SCALE MUSICAL THEATRE PRODUCTION CULMINATING IN PUBLIC PERFORMANCE. STUDENTS WILL PREPARE ALL ELEMENTS NECESSARY FOR PERFORMANCE INCLUDING, BUT NOT LIMITED TO: SET, PROPS, PUBLICITY, PUBLIC RELATIONS, CHOREOGRAPHY, STAGING, COSTUMES, LIGHTS, AND SOUND. MAY BE REPEATED FOR CREDIT. Required Previous: COMM-1413

THEA-3593 Play Analysis **3 Credits**
STUDENTS WILL LEARN BASIC DRAMATIC STRUCTURE AND HOW TO ANALYZE A SCRIPT AS AN ACTOR, DIRECTOR, OR DESIGNER.

THEA-4003 Marketing Techniques **3 Credits**
STUDENTS WILL LEARN TECHNIQUES FOR SELF-MARKETING, INCLUDING RESUME, WEBSITE, AND PORTFOLIO BUILDING. RECOMMENDED IN STUDENT'S FINAL SEMESTER.

THEA-4013 Audition Methods **3 Credits**
SENIOR-LEVEL ACTING COURSE FOCUSED ON SELECTING AND PERFORMING MATERIAL SPECIFIC TO EACH ACTOR'S MOST MARKETABLE TYPE. Required Previous: THEA-1413

THEA-4453 Stage Makeup **3 Credits**
THEORY AND PRACTICE OF COSTUME AND MAKEUP DESIGN AND TECHNIQUES OF CONSTRUCTION AND APPLICATION. TWO HOURS LECTURE AND TWO HOURS LAB WEEKLY.

THEA-4963 Senior Project in Theatre **3 Credits**
SCHOLARLY AND/OR CREATIVE WORK IN THEATRE.

THEA-4981 Seminar-{Subject named in title listing) **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4982 Seminar-{Subject named in title listing) **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4983 Seminar-{Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4984 Seminar-{Subject named in title listing) **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4991 Individual Studies-(Subject named in title listing) **1 Credit**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4992 Individual Studies-(Subject named in title listing) **2 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4993 Individual Studies-(Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-4994 Individual Studies-(Subject named in title listing) **4 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-F3423 Acting III-Acting in Film **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-H2333 Honors-Theatre in Life **3 Credits**
STUDY OF SIGNIFICANT IDEAS OF WESTERN AND OTHER CULTURES AS MANIFEST INTHEATRE. BOTH THEATRE THEORIES AND PRACTICES WILL BE EXAMINED.

THEA-H2883 Honors-Special Studies-(Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-H3413 Honors-Play Directing **3 Credits**
INTRODUCTION TO BASIC DIRECTING TECHNIQUES. SCRIPT ANALYSIS, MOVEMENT, STAGE PICTURES, TECHNICAL PREPARATION, BACKSTAGE ORGANIZATION, PROMPT BOOK PREPARATION. ACTUAL PRODUCTION OF ONE-ACT PLAY IN STUDIO ENVIRONMENT.

THEA-H4983 Honors-Seminar-{Subject named in title listing) **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-H4993 Honors-Individual Studies-(Subject named in title listing) **3 Credits**
DIRECTED INDIVIDUAL STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-M3423 Acting III-Method Acting **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-P3423 Acting III-Period Styles **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-S3423 Acting III-Acting in Shakespeare **3 Credits**
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS,

ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-S4981 Seminar-(Subject named in title listing) 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

THEA-T3423 Acting III-Acting for Music Theatre 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

THEA-Y3423 Acting III-Styles 3 Credits
STUDENTS WILL LEARN ANALYSIS AND PERFORMANCE TECHNIQUES THROUGH THE PRODUCTION OF A STYLIZED PLAY. THIS CLASS WILL ONLY BE OFFERED IN A SEMESTER THAT ALSO CONTAINS THE PRODUCTION OF A PLAY IN A PARTICULAR PERIOD STYLE (SHAKESPEARE, GREEK TRAGEDY, COMEDY OF MANNERS, ETC.) STUDENTS IN THIS CLASS WILL GAIN AN IN-DEPTH KNOWLEDGE OF PARTICULAR STYLES OF ACTING THROUGHOUT THEATRE HISTORY. NO PREREQUISITE REQUIRED. Required Previous: COMM-2423

(UNIV)

UNIV-1001 Tiger Connect 1 Credit
THIS ORIENTATION COURSE INTRODUCES STUDENTS TO UNIVERSITY ACADEMIC LIFE, RULES/REGULATIONS, AND STUDY/SURVIVAL SKILLS FOR COLLEGE.

UNIV-1201 President's Leadership Class 1 Credit
THE PRESIDENT'S LEADERSHIP ONE HOUR SEMINAR CLASS PROVIDES STUDENTS WITH AN OPPORTUNITY TO: EXPLORE THE UNIQUE EXPERIENCES THAT HAVE SHAPED THEIR VIEW OF SELF IN THE CONTEXT OF LEADERSHIP, EXPAND THEIR UNDERSTANDING OF KEY LEADERSHIP CONCEPTS, THEORIES AND MODELS, AND GAIN AN UNDERSTANDING OF THEIR CIVIC RESPONSIBILITY AS LEADERS.

UNIV-1330 International Student Exchange Credits 0 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-1331 International Student Exchange Credits 1 Credit
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-1332 International Student Exchange Credits 2 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-1334 National Student Exchange Credits 4 Credits
This course is for students participating in an exchange program with another college or university within the United States or it's territories.

UNIV-1555 International Student Exchange Credits 5 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-2331 International Student Exchange Credits 1 Credit

UNIV-2332 International Student Exchange Credits 2 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-2333 National Student Exchange Credits 3 Credits
This course is for East Central University undergraduate students participating in an exchange program with another university/college within the United States or its's territories.

UNIV-2334 International Student Exchange Credits 4 Credits
This course is to be used for students traveling abroad to study as part of an exchange program pre-approved by ECU.

UNIV-2555 International Student Exchange Credits 5 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students

accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-3001 General Education Seminar 1 Credit
THIS COURSE PROVIDES STUDENTS AN OPPORTUNITY TO DEMONSTRATE MASTERY OF THE GENERAL EDUCATION STUDENT LEARNING OUTCOMES.

UNIV-3323 International Student Exchange Credits 3 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-3331 International Student Exchange Credits 1 Credit
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-3332 International Student Exchange Credits 2 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-3333 National Student Exchange Credits 3 Credits
This course is for students participating in an exchange program with another college or university in the United States or one of it's territories.

UNIV-3551 International Student Exchange Credits 1 Credit
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-4332 International Student Exchange Credits 2 Credits
While remaining enrolled at East Central University (ECU), students may petition the university for the option to temporarily attend another college/university outside the United States of America. Interested students should consult the academic catalog for a full account of relevant policies and procedures. Students accepted into the program must be enrolled in a suitable number of international exchange credits prior to departing ECU for the visiting institution. The number of credits enrolled

UNIV-4981 Seminar in University Studies (subject N 1 Credit
DIRECTED GROUP STUDY ON SPECIAL SUBJECT

(WRPM)

WRPM-3003 Natural Resources and Policy 3 Credits
IN THIS COURSE, STUDENTS EXAMINE NATURAL RESOURCE POLICY AND CONTEMPORARY CHALLENGES FROM MULTIPLE PERSPECTIVES. SPECIAL ATTENTION IS PAID TO ISSUES RELATED TO WATER.

WRPM-5103 Policy Research and Methodology 3 Credits
THIS COURSE WILL STUDY RESEARCH METHODS, RESEARCH STRATEGIES, AND STATISTICAL ANALYSIS SKILLS NECESSARY TO BOTH PRODUCE AND CRITICALLY ANALYZE RESEARCH REPORTS AND DATA COMPILATIONS USED TO FORM PUBLIC POLICY.

WRPM-5113 Advanced Native American Law 3 Credits
THE STUDY OF ISSUES RELATED TO NATIVE AMERICANS AND THE LAW. EMPHASIS ON THE ANALYSIS OF SOVEREIGNTY ISSUES, TREATIES, AND NATIVE AMERICAN COURTS.

WRPM-5173 Integrated Water Resources Management 3 Credits
THIS COURSE PRESENTS AN INTEGRATED APPROACH TO WATER MANAGEMENT WITH A FOCUS ON SUSTAINABILITY AND EQUITY FROM THE PERSPECTIVES OF WATER MANAGEMENT, ECOLOGY, ECONOMICS, AND GOVERNANCE. TOPICS WILL INCLUDE COMMUNITY PLANNING, DEVELOPING A SCOPE OF WORK, GRANT WRITING, STAKEHOLDER DEVELOPMENT, AND CONFLICT MANAGEMENT.

WRPM-5193 Advanced Tribal Politics 3 Credits
THIS COURSE WILL SURVEY TRIBAL GOVERNMENT AND POLITICS IN THE UNITED STATES WITH A SPECIAL EMPHASIS ON THE INTERGOVERNMENTAL RELATIONSHIPS AMONG TRIBAL, STATE, AND FEDERAL GOVERNMENTS.

WRPM-5203 Natural Resource Hist and Policy 3 Credits
THIS COURSE EXAMINES PUBLIC LAND AND NATURAL RESOURCES HISTORY AND POLICY FROM MULTIPLE PERSPECTIVES. NATURAL RESOURCE POLICY DEVELOPMENT AND DECISION-MAKING, COMMON DETERMINANTS OF NATURAL RESOURCE CHALLENGES, AND SOLUTIONS TO CONTEMPORARY MANAGEMENT PROBLEMS AND CONFLICTS WILL BE COVERED.

WRPM-5213 Advanced Public Policy Making 3 Credits
THIS COURSE EXAMINES MODELS OF PUBLIC POLICY MAKING, LEADING THE ANALYSIS OF VARIOUS PROBLEMS CONFRONTING GOVERNMENT. THE COURSE IS CONCERNED WITH INTEREST GROUPS, WHICH INFLUENCE POLICY MAKING, THE PROCESSES (GOVERNMENTAL, INSTITUTIONAL, AND ENVIRONMENTAL) THROUGH WHICH POLICIES FLOW, THE FINAL CONCLUSIONS OF POLICY MAKING, AND THE IMPACT ON SOCIETY.

WRPM-5223 Water in Developing Countries **3 Credits**
THIS COURSE WILL PROMOTE CRITICAL THINKING ABOUT WATER POLICIES, MANAGEMENT, AND ACCESS ISSUES IN THE DEVELOPING WORLD. WATER IS ESSENTIAL FOR SUSTAINING HUMAN LIFE. IT IS VITAL TO OUR WAY OF LIFE AND IS ESSENTIAL FOR AGRICULTURAL PRODUCTION AS WELL AS MAINTAINING THE ECOSYSTEMUPON WHICH ALL LIFE DEPENDS. WATER MANAGERS AND POLICY MAKERS ARE FACING DIFFICULT CHALLENGES SUCH AS INCREASED DEMAND FROM CITIES, CONFLICTS AMONG WATER USERS, COMPETITION FROM FARMERS/AGRICULTURAL USERS, AND EFFECTS OF C

WRPM-5303 Water Resource Policy Analysis **3 Credits**
THIS COURSE FOCUSES ON THE DEVELOPMENT OF WATER RESOURCE POLICIES AND FUNDAMENTALS OF WATER RESOURCE PLANNING. TECHNIQUES FOR EVALUATING ECONOMIC AND ENVIRONMENTAL EFFECTS OF WATER RESOURCE PROJECTS WILL BE EXAMINED, AND POLICIES FOR ALLOCATING THE RESOURCE AMONG COMPETING INTERESTS WILL BE COVERED.

WRPM-5313 Native American Water Rights **3 Credits**
THIS COURSE COVERS THE SCOPE OF TRIBAL, FEDERAL, AND STATE AUTHORITY TO REGULATE OR AFFECT THE DEVELOPMENT OF NATIVE AMERICAN LANDS ESTABLISHED BY STATUTE OR TREATY, TRIBALLY AND INDIVIDUALLY OWNED. STUDENTS WILL EXPLORE THE PHILOSOPHICAL BACKGROUND AND CASE LAW PERTAINING TO NATIVE AMERICAN MANAGEMENT OF WATER. EMPHASIS WILL BE PLACED ON THE NATURE OF THE FEDERAL-TRIBAL TRUST RELATIONSHIPS AND THE DOCTRINE OF RESERVED RIGHTS AS IT APPLIES TO WATER.

WRPM-5403 Water Law **3 Credits**
THIS COURSE EXPLORES LEGAL SCHEMES FOR SECURING AND USING WATER RIGHTS IN SURFACE AND GROUNDWATER FOR PRIVATE AND PUBLIC USES IN THE UNITED STATES. STUDENTS WILL EXAMINE PRIOR APPROPRIATION DOCTRINES OF WATER ALLOCATION, GROUNDWATER MANAGEMENT REGIMES, FEDERAL WATER MANAGEMENT AND REGULATION, AND INTERSTATE ALLOCATION DEVICES.

WRPM-5413 Public Organization Theory **3 Credits**
THIS COURSE COVERS THE KEY CONCEPTS OF PUBLIC ORGANIZATION THEORIES AND THE APPLICATIONS OF THEORIES TO SOLVE WORLD PROBLEMS. A SIGNIFICANT PORTION OF THE CLASS WILL APPLY THE CONCEPTS TO WATER POLICY DECISION-MAKING.

WRPM-5503 Environmental Conflict Mgmt **3 Credits**
THIS COURSE FOCUSES ON THE CAUSES, DYNAMICS, AND CONSEQUENCES OF NATURAL RESOURCE AND ENVIRONMENTAL CONFLICTS AS WELL AS ON THE UNDERSTANDING OF POSSIBLE APPROACHES TO MANAGING THESE CONFLICTS. THE COURSE EXPLORES TRADITIONAL PROCEDURES USED TO MANAGE DISPUTES IN THE PUBLIC SECTOR AND ANALYZE WHY THESE TRADITIONAL MECHANISMS FAIL DURING ENVIRONMENTAL AND RESOURCE DISPUTES. DISPUTE RESOLUTION, MEDIATED NEGOTIATIONS AND MULTI-PARTY COLLABORATIVE EFFORTS ARE EXAMINED.

WRPM-5513 Advanced Watershed Management **3 Credits**
THIS COURSE CONSIDERS THE WATERSHED HOLISTICALLY AND SEEKS SOLUTIONS TO AN INTERRELATED SET OF SOCIAL, ECONOMIC, AND ENVIRONMENTAL PROBLEMS. STUDENTS WILL EXPLORE A WIDE RANGE OF THREATS TO THE PRODUCTIVITY AND HEALTH OF WATERSHEDS AND EXPLORE NEW, COLLABORATIVE APPROACHES TO WATERSHED MANAGEMENT.

WRPM-5603 Water Resource Economics **3 Credits**
EXPLORES THE ECONOMICS OF WATER RESOURCES, INCLUDING STATIC AND DYNAMIC EFFICIENCY FOR CONSUMERS AND PRODUCERS AND OTHER TOPICS CONCERNED WITH WATER QUALITY. EXPLORES EFFECTS OF CLIMATE CHANGE ON WATER RESOURCES, AND ECONOMIC APPROACHES TO MITIGATE THESE EFFECTS.

WRPM-5613 Hydrogeology **3 Credits**
THIS COURSE PROVIDES AN INTRODUCTION TO THE PRINCIPLES AND PRACTICES ASSOCIATED WITH AN UNDERSTANDING OF GROUNDWATER AND ITS UTILIZATION. STUDENTS WILL EXAMINE THE RELATIONSHIP BETWEEN GEOLOGIC MATERIALS AND THE PROCESS OF WATER MOVEMENT WITHIN THE EARTH WITH A CONSIDERATION THAT GROUNDWATER IS A PRECIOUS RESOURCE THAT IS INCREASINGLY AT RISK FROM EXPLOITATION AND CONTAMINATION.

WRPM-5691 Thesis **1 Credit**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5692 Thesis **2 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5693 Thesis **3 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5694 Thesis **4 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5695 Thesis **5 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5696 Thesis **6 Credits**
STUDENTS COMPLETING THE THESIS OPTION ARE REQUIRED TO CONDUCT RESEARCH AND PREPARE A SCHOLARLY PAPER, OR OTHER APPROPRIATE CREATIVE COMPONENT, UNDER THE GUIDANCE OF A FACULTY COMMITTEE FOR SUBMISSION TO THE GRADUATE SCHOOL. THIS COURSE IS REPEATABLE. A MINIMUM OF THREE HOURS MUST BE COMPLETED. A MAXIMUM OF SIX HOURS MAY BE COUNTED TOWARD THE DEGREE.

WRPM-5703 International Environmental Policy **3 Credits**
THIS COURSE INTRODUCES STUDENTS TO CONTEMPORARY INTERNATIONAL ENVIRONMENTAL PROBLEMS FROM THEORETICAL AND POLICY PERSPECTIVES TO UNDERSTAND THE CAUSE OF ENVIRONMENTAL PROBLEMS. STUDENTS WILL INVESTIGATE STRATEGIES USED TO ADDRESS A NATION S PROBLEMS, RECOGNIZING FAILURE AND SUCCESS. ADDITIONALLY, STUDENTS WILL EXAMINE NATIONAL SECURITY AND ECONOMIC STABILITY IN LIGHT OF THE ENVIRONMENTAL POLICIES IN PLACE, PARTICULARLY THOSE POLICIES RELATED TO WATER.

WRPM-5713 Advanced Water Quality and Treatment **3 Credits**
THIS COURSE COVERS THE FUNDAMENTALS OF WATER QUALITY AND DISTRIBUTION SYSTEMS THAT INCLUDE NATURAL PURIFICATION OF SURFACE WATER, WASTEWATER COLLECTION SYSTEMS, WATER AND WASTEWATER TREATMENT TECHNOLOGIES AND DESIGN STRATEGIES.

WRPM-5813 Studies in Environmental Toxicology **3 Credits**
THE COURSE COVERS POISONOUS OR TOXIC PROPERTIES OF SUBSTANCES AND THE REGULATIONS AND MANAGEMENT PRACTICES FOR THESE CHEMICALS.

WRPM-5913 Climate Change and Water **3 Credits**
CLIMATE CHANGE AND WATER PROVIDES STUDENTS WITH THE INFORMATION THEY NEED TO UNDERSTAND AND EVALUATE THE EFFECTS OF CLIMATE CHANGE ON MANAGING WATER IN THE HUMAN ENVIRONMENT. A SPECIAL EMPHASIS WILL BE PLACED ON HOW INDIGENOUS TRIBES ARE AFFECTED BY AND MANAGE THE EFFECTS OF CLIMATE CHANGE.

WRPM-5951 Internship in Water Resources **1 Credit**
AN IN-DEPTH AND PRACTICAL STUDY OF WATER RESOURCE POLICY AND MANAGEMENT.

WRPM-5952 Internship in Water Resources **2 Credits**
AN IN-DEPTH AND PRACTICAL STUDY OF WATER RESOURCE POLICY AND MANAGEMENT.

WRPM-5953 Internship in Water Resources **3 Credits**
AN IN-DEPTH AND PRACTICAL STUDY OF WATER RESOURCE POLICY AND MANAGEMENT.

WRPM-5981 Seminar- **1 Credit**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5982 Seminar- **2 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5983 Seminar- **3 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5984 Seminar- **4 Credits**
DIRECTED GROUP STUDY ON SPECIAL SUBJECT OR PROBLEM.

WRPM-5991 Individual Studies- **1 Credit**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.

WRPM-5992 Individual Studies- **2 Credits**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.

WRPM-5993 Individual Studies- **3 Credits**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.

WRPM-5994 Individual Studies- **4 Credits**
DIRECTED INTENSIVE STUDY ON A SELECTED PROBLEM OR SPECIAL TOPIC.