PREFACE

This catalog provides information about the academic programs of Cameron University. It also contains information concerning admissions, academic regulations and requirements, services available to students, academic offerings and a list of the administrative officers and faculty of the University. While every effort has been made to make this catalog as complete and accurate as possible, changes may occur at any time in requirements, deadlines, fees, curricula and courses listed in this catalog. All such changes are effective at such time as the proper institutional authorities determine and may apply not only to prospective students but also to those who are already enrolled in the University. This catalog should not be construed as a contract between Cameron and any person. The online undergraduate catalog, available at http://www.cameron.edu/catalog, reflects the most recent changes to requirements, deadlines, fees, curricula, and courses.

The courses listed in a curriculum are required, but the display of a curriculum does not in any way indicate the length of time required for a student to finish degree requirements. Rather, this display is intended as a guide to indicate the preferred order for completion of degree requirements. Exceptions to certain requirements may be petitioned through proper academic channels.

Because this catalog was prepared well in advance of its effective date, the course descriptions may differ in some instances from actual content taught in some courses, due to advancements in the discipline or decisions to change the scope of the course. Thus, the descriptions that follow are not provided in the nature of a contractual obligation. Some of the newer courses and changes in courses are included in this catalog pending their approval by the Oklahoma State Regents for Higher Education. Consequently, students should consult the appropriate departmental advisor and refer to the class schedule for the offerings in any given academic session.

ACADEMIC CALENDARS

Cameron University’s academic calendar is approved by the President or his/her designee and submitted annually to the State Regents. The academic calendar shall describe any alternative schedules. Submission is due by January 1 prior to the summer semester to which the proposed calendar applies.

The uniform academic calendar for institutions in The Oklahoma State System of Higher Education consists of the fall and spring semesters and a summer term defined as follows:

- The summer session begins about the last week in May or the first week in June and ends late July or early August.
- The fall semester begins mid- to late August or early September, closing just prior to the Christmas vacation period.
- The spring semester begins following the Christmas vacation in January and ends prior to the first of June.
- Academic terms shorter than a traditional semester or summer session, generally referred to as “intersessions,” may be conducted between semesters or between the summer session and spring and fall semesters. Block or alternative course schedules may also occur within the dates set forth for a semester or summer session.

The approved calendar is distributed to all departments and is available online at http://www.cameron.edu/info/schedules/enroll.html.

OUTCOMES ASSESSMENT

Cameron University’s comprehensive outcomes assessment program, mandated by the Oklahoma State Regents for Higher Education, consists of entry level assessment, general education assessment, program outcomes assessment, and student satisfaction assessment. Participation by students may be required as a condition of enrollment, continued enrollment, or graduation.
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## ACCREDITATION

Cameron University is accredited by THE HIGHER LEARNING COMMISSION, A COMMISSION OF THE NORTH CENTRAL ASSOCIATION OF COLLEGES AND SCHOOLS, 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1411. They can be reached by phone at 800-621-7440, or at http://www.ncahcil.org/

The Bachelor of Accounting, Bachelor of Business Administration, and Master of Business Administration degrees offered by the School of Business are accredited by the ACCREDITATION COUNCIL FOR BUSINESS SCHOOLS AND PROGRAMS (ACBSP), 11520 West 119th Street, Overland Park, Kansas 66213 or http://www.acbsp.org/.

The Teacher Education programs at Cameron University are accredited by the State, OKLAHOMA COMMISSION FOR TEACHER PREPARATION, 3545 NW 58th Street, Suite 200, Oklahoma City, Oklahoma 73112 or http://www.ok.gov/octp/ and by the NATIONAL COUNCIL FOR THE ACCREDITATION OF TEACHER EDUCATION (NCATE), 2010 Massachusetts Avenue NW, Suite 500, Washington, D.C. 20036-1023 or http://www.ncate.org/. Approved graduates are recommended for teaching licenses in the elementary and secondary schools of Oklahoma.

The Bachelor of Arts in Music and Bachelor of Music degrees offered by the Department of Music are accredited by the NATIONAL ASSOCIATION OF SCHOOLS OF MUSIC (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190-5248 or http://nasm.arts-accredit.org/. The Bachelor of Music Education degree has received NASM plan approval.

The Bachelor of Science in Medical Technology is affiliated with Comanche County Memorial Hospital’s Medical Technology/Clinical Laboratory Science Program which is accredited by the NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES (NAACLS), 5600 N. River Road, Suite 720, Rosemont, Illinois 60018-5119 or http://www.naacs.org/

The Bachelor of Science in Chemistry (Professional Option) offered by the Department of Physical Sciences is certified by the AMERICAN CHEMICAL SOCIETY (ACS), 1155 Sixteenth Street NW, Washington, DC, 20036 or http://www.acs.org/.

## EQUAL OPPORTUNITY

Cameron University is committed to the principles of equal opportunity and affirmative action and promotes an environment of awareness and understanding of culturally diverse groups in our society. The University strives to maintain a campus climate of mutual respect and tolerance that is free from discrimination. Discrimination is unlawful and undermines the freedom of students, faculty, and staff to productively learn and work at the University.

This institution in compliance with all applicable Federal and State laws and regulations does not discriminate on the basis of race, color, national origin, sexual orientation, genetic information, sex, age, religion, disability, political beliefs, or status as a veteran in any of its policies, practices or procedures. This includes but is not limited to admissions, employment, housing, financial aid, and educational services.

To obtain information about applicable laws or to file a complaint of discrimination, including harassment, on the basis of race, color, national origin, sexual orientation, genetic information, sex, age, religion, disability, political beliefs, or status as a veteran contact the Office of Human Resources, Administration Building, Room 121, 2800 W, Gore Blvd., Lawton, Oklahoma 73505-6377, or you may call (580) 581-2245 or e-mail tonr@cameron.edu.
DEGREE PROGRAMS

Cameron University offers curricula leading to master's, bachelor's and associate degrees. The following bachelor's degrees are offered: Bachelor of Accounting (B.Acctg.), Bachelor of Arts (B.A.), Bachelor of Fine Arts (B.F.A.), Bachelor of Music (B.M.), Bachelor of Music Education (B.M.E.), and Bachelor of Science (B.S.). Associate in Science (A.S.) and Associate in Applied Science (A.A.S.) degrees are also offered. Associate and bachelor's degree programs include a general education requirement and a major or concentration. Bachelor's degree programs also include a minor (or major-minor) and electives. Development of expertise in a discipline occurs in major courses; a minor broadens the student's education. General education provides the common experience and knowledge that characterize the academically educated person. Electives afford the opportunity for both exploration and continued study in areas of particular interest.

Students are responsible for meeting all degree requirements. It is essential that each student (1) become familiar with the requirements for the degree being pursued, (2) formally request substitutions or waivers of courses necessary to meet degree requirements, and (3) verify each enrollment to ensure the courses apply toward degree requirements, satisfy a prerequisite, or meet some mandated institutional requirement.

### Graduate Degrees*

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Master of Science</td>
<td>Behavioral Science</td>
<td>Counseling</td>
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<tr>
<td>Educational Leadership</td>
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<td>Marriage and Family</td>
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<tr>
<td></td>
<td></td>
<td>General Psychology</td>
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<tr>
<td>Organizational Leadership</td>
<td></td>
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<tr>
<td>Master of Education</td>
<td>Education</td>
<td>Elementary Math Specialist</td>
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<td>Literacy</td>
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<td></td>
<td></td>
<td>Secondary Education</td>
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<td>Special Education</td>
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<td></td>
<td>Teaching and Learning</td>
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<tr>
<td>Reading</td>
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<tr>
<td>Master of Business Administration</td>
<td>Business Administration</td>
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</tbody>
</table>

*See the Graduate School Catalog, http://www.cameron.edu/graduate for Master’s degree programs.

### Undergraduate Degrees

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Bachelor of Arts</td>
<td>Art</td>
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<tr>
<td>Communication</td>
<td>Speech Communication</td>
<td></td>
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<tr>
<td>Radio/Television</td>
<td>Journalism</td>
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<tr>
<td>Public Relations &amp;</td>
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<tr>
<td>Organizational Communication</td>
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<tr>
<td>English</td>
<td>Creative Writing</td>
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<tr>
<td></td>
<td>Literature</td>
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</tbody>
</table>
PRE-PROFESSIONAL STUDIES

Cameron University offers course work at the pre-professional level for such fields as medicine, dentistry, law, pharmacy, veterinary medicine and engineering.

The requirements for admission to specific professional schools vary considerably. Students should therefore consult the catalog of the professional school to which they plan to apply for admission for guidance in course selection. Departmental chairs and faculty advisors at Cameron are familiar with the requirements of most professional schools and can assist in appropriate selection of courses.

PROGRAM

ADVISEMENT DEPARTMENT

Actuarial Science: Mathematical Sciences
Dentistry: Biological Sciences or Physical Sciences
Engineering: Physical Sciences
Law: Criminal Justice and Sociology or History and Government
Medicine: Biological Sciences or Physical Sciences
Nursing: Biological Sciences
Optometry: Biological Sciences or Physical Sciences
Pharmacy: Biological Sciences or Physical Sciences
Physical Therapy: Biological Sciences or Physical Sciences
Veterinary Medicine: Agriculture or Biological Sciences or Physical Sciences

Undergraduate Specialty Degrees

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Bachelor of Science (cont.)</td>
<td>Physical Education</td>
<td></td>
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<tr>
<td></td>
<td>Physics</td>
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<tr>
<td></td>
<td>Psychology</td>
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<td></td>
<td>Sociology</td>
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<td></td>
<td>Sport/Fitness Management</td>
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<td></td>
<td>Technology</td>
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</table>

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<thead>
<tr>
<th>Undergraduate Specialty Degrees</th>
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<tbody>
<tr>
<td>Bachelor of Accounting</td>
<td>Accounting</td>
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<tr>
<td>Bachelor of Business Administration</td>
<td>Business Administration</td>
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<tr>
<td></td>
<td>General Business Administration</td>
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<td></td>
<td>Finance</td>
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<td></td>
<td>Economics</td>
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<td></td>
<td>Management</td>
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<tr>
<td></td>
<td>Marketing</td>
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<tr>
<td>Bachelor of Fine Arts</td>
<td>Art</td>
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<tr>
<td></td>
<td>Graphic Design</td>
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<tr>
<td></td>
<td>Painting, Printmaking, Sculpture</td>
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<tr>
<td>Bachelor of Music</td>
<td>Music</td>
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<tr>
<td></td>
<td>Composition</td>
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<tr>
<td></td>
<td>Instrumental Performance</td>
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<tr>
<td></td>
<td>Piano Performance</td>
</tr>
<tr>
<td></td>
<td>Vocal Performance</td>
</tr>
<tr>
<td>Bachelor of Music Education</td>
<td>Music Education</td>
</tr>
<tr>
<td></td>
<td>Instrumental/General</td>
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<tr>
<td></td>
<td>Vocal/General</td>
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</table>

Undergraduate Associate Degrees

<table>
<thead>
<tr>
<th>Degree</th>
<th>Major</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate in Science</td>
<td>Allied Health Sciences</td>
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<tr>
<td></td>
<td>Business</td>
<td></td>
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<tr>
<td></td>
<td>Interdisciplinary Studies</td>
<td></td>
</tr>
<tr>
<td>Associate in Applied Science</td>
<td>Criminal Justice</td>
<td>Corrections</td>
</tr>
<tr>
<td></td>
<td>Corrections</td>
<td>Law Enforcement</td>
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<tr>
<td></td>
<td>Electronic Engineering</td>
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<td></td>
<td>Technology</td>
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<tr>
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<td>Information Technology</td>
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<td></td>
<td>Medical Laboratory Technology</td>
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<tr>
<td></td>
<td>Multimedia Design</td>
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<tr>
<td></td>
<td>Respiratory Care</td>
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</tbody>
</table>
MINORS

A minor for Bachelor’s Degree programs consists of a minimum of 18 semester hours in an approved subject area. Defined minors are those for which a specific set of courses is recommended. Other approved minor programs are structured through the advisement process subject to the approval of the chair of the department which offers the courses. Minors which include courses from multiple departments are approved by the dean of the school which offers the majority of the program. Transfer students may use credits earned at other institutions to fulfill minor requirements. A transfer student who desires to minor in an area not listed below may do so, providing Cameron University offers at least 8 semester hours in the subject area. A student may not minor in Education.

APPROVED MINOR PROGRAMS

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<td>Exercise Science*</td>
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<tr>
<td>Agronomy</td>
<td>Environmental Studies*</td>
</tr>
<tr>
<td>Animal Science</td>
<td>Family Science*</td>
</tr>
<tr>
<td>Arabic</td>
<td>Finance*</td>
</tr>
<tr>
<td>Art*</td>
<td>Foreign Languages*</td>
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<tr>
<td>Art History*</td>
<td>French</td>
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<tr>
<td>Biology*</td>
<td>General Business</td>
</tr>
<tr>
<td>Chemistry*</td>
<td>Administration*</td>
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<tr>
<td>Communication Studies*</td>
<td>Geography</td>
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<tr>
<td>Computer Aided Design</td>
<td>German</td>
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<tr>
<td>Drafting</td>
<td>Health*</td>
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<td>Computer Information</td>
<td>History*</td>
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<tr>
<td>Systems</td>
<td>Humanities*</td>
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<tr>
<td>Computer Science*</td>
<td>Information Technology*</td>
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<tr>
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<td>Latin</td>
</tr>
<tr>
<td>Economics*</td>
<td>Law Enforcement*</td>
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<tr>
<td>Electronic Engineering</td>
<td>Library Science*</td>
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<tr>
<td>Technology</td>
<td>Management*</td>
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<tr>
<td>Engineering Design</td>
<td>Management Information</td>
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<tr>
<td>Technology</td>
<td>Systems*</td>
</tr>
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</table>

*Defined minor

DEFINED MINORS

Accounting (18 hours)
Non-Business Majors: ACCT 2013, ACCT 2023 and upper division accounting courses (12 hours).
Business Majors: Upper division accounting courses (18 hours).

Art (24 hours)
ART 1113, ART 1213, ART 1223, ART 2243, ART 2623 and upper division electives (9 hours).

Art History (18 hours)
ART 1013, ART 2613, ART 2623, and ART 4633 (9 hours).

Biology (24 hours)
BIOL 1364, BIOL 1474, BIOL 2124, BIOL 2144, BIOL 2154 and BIOL 3014.
Health (18 hours)
(Closed to Physical Education and Sport Fitness Management Majors.) HLTH 1053, HLTH 1063, HLTH 2213, HLTH 3243*, HLTH 3293, and HLTH 3303. (*Prerequisite: HLTH 3293.)

History (18 hours)
HIST 1113, HIST 1123, HIST 1483, HIST 1493, and history electives (6 hours).

Humanities (18 hours)
HIST 2113 or HIST 2223 and 15 hours selected from the following (with no more than 6 hours with the same prefix): ART 2613, ART 2623, ENGL 3063, ENGL 3073, PHIL 1113, HIST 1113, HIST 1123, MUSC 1413, MUSC 1423, THTR 3823.

Information Technology (18 hours)
18 semester hours of the Information Technology Program (including IT 2063 and IAS 2233). Note that CIS 1013 may not count toward this minor.

Language Arts (18 hours)
It is recommended that 9 to 12 hours be selected from one of the following areas and that 6 to 9 hours be selected from one or more of the other fields listed, for a total of 18 hours. The language arts areas consist of: Foreign Languages, Journalism, Library Science, English (sophomore level or above) (the English option is closed to English majors), Theatre, Communication (except COMM 1113), Professional Writing.

Law Enforcement (18 hours)
CJ 1013, CJ 2113, CJ 3103; and any three LE courses.

Management (18 hours)
Non-Business Majors: BUS 1113, ACCT 2013, MGMT 3013, MGMT 3513 and upper division management electives (6 hours).
Business Administration and Accounting Majors: ACCT 3213, MGMT 3513, MGMT 3813, MGMT 4033 and upper division management electives (6 hours).

Management Information Systems (18 hours)
18 semester hours of the Management Information Systems Specialization courses including MIS 3033, MIS 4033, and MIS 4533. Appropriate classes in CIS, IAS, IT, or TECH may be used to meet the requirements of the MIS minor. CIS 1013 may not count toward this minor.

Marketing (18 hours)
Non-Business Majors: BUS 1113, MKTG 3413, MKTG 4233, MKTG 4443 and upper division marketing electives (6 hours).
Business Administration and Accounting Majors: MKTG 3423, MKTG 4443 and upper division marketing electives (12 hours).

Mathematics (18 hours)
Required: MATH 2215* and MATH 2235 and a minimum of 8 credit hours of electives chosen from the following: MATH 2244, MATH 2613, STAT 2013, MATH 3013**, MATH 3213**, MATH 3253, MATH 3302, MATH 3333, MATH 4113, MATH 4423**, MATH 4433, MATH 4483**. (**Prerequisites: MATH 1513 and MATH 1613 or satisfactory placement score. ***Prerequisites: MATH 2235 and MATH 2613.)

Multicultural Studies (18 hours)
18 hours chosen from the following: COMM 4313, SOCI 3013, ENGL 2313 or HIST 3353, ENGL 2323 or HIST 3333, GEOG 3243, HUM 2713, MUSC 1033, and FNAR 1013.

Multimedia Design (18 hours)
MM 1013, MM 1133, and MM electives (12 hours).

Music (18 hours)
Band/Choir/Accomp./Orch. – MUSC 1110-1, MUSC 1140-1 (4 semesters); MUSC 1413, MUSC 1423, MUSC 2312, MUSC 2332, MUSC 3801 (4 semesters), MUSC 1000 (4 semesters).

Organizational Leadership (18 hours)
A minimum of 18 hours chosen from the following*: ORGL 3223, ORGL 3333, ORGL 3443, ORGL 4113, ORGL 4223, ORGL 4333, ORGL 4443. (**Exception: Students previously admitted to the Organizational Leadership program who have taken ORGL 3113 may count that course towards the 18 hour minor requirement.)

Physics (18 hours)
PHYS 1115 and PHYS 1215 or PHYS 2015 and PHYS 2025, PHYS 3003, and electives (5 hours).

Public Relations (18 hours)
COMM 4673, PBRL 3113, PBRL 4823, and PBRL or JRMP electives (9 hours).

Radio/Television (18 hours)
RTV 1013, RTV 2213, RTV 2313 and RTV electives (9 hours).

Recreational Arts (18 hours)
To be selected from the following 3 areas with a minimum of 3 hours and no more than 9 hours from any one area for a total of 18 hours.
Art: ART 1113, ART 1023, ART 2313, ART 2813, ART 3833.
Music: Required: MUSC 3683 and Choose from: MUSC 1111, MUSC 1141, MUSC 1023.
Theatre: THTR 1103, THTR 1203, THTR 1603, THTR 2603, THTR 3403.

Special Education (18 hours)
(Open to Psychology and Family and Child Studies majors.) SPED 3103*, SPED 3203, SPED 3223, SPED 3243, SPED 3263, SPED 4413. (**Prerequisite: EDUC 3733 or PSY 3353.) This minor does not prepare students for state teaching licensure in the public schools.

Sport Management (18 hours)
(Closed to Physical Education and Sport Fitness Management majors.) HPET 3013, HPET 3023, HPET 3363, HPET 3373*, HPET 4003, HPET 4213. (**Prerequisite: HPET 2322.)

Statistics (18 hours)
Required: MATH 2215*, MATH 2235, STAT 2013**, and a minimum of 5 credit hours of electives chosen from the following: STAT 2023, STAT 3113, STAT 3123, MATH 2533, MATH 3333, MATH 3302, MATH 4113, MATH 4433. (**Prerequisite: MATH 1513 and MATH 1613 or satisfactory placement score. ***Prerequisite: MATH 1513 or satisfactory placement score.)

Theatre Arts (18 hours)
THTR 1103, THTR 1203, THTR 2603 and electives (9 hours).
GENERAL INFORMATION

HISTORY

The history of Cameron University corresponds to the history of the area it serves in Southwest Oklahoma. It was founded by the Oklahoma Legislature in 1908 as Cameron State School of Agriculture, one of six agricultural high schools in the state and placed under the jurisdiction of the State Commission of Agriculture and Industrial Education. The institution was named for E. D. Cameron, first State Superintendent of Schools.

Cameron added junior college work in 1927 when local needs demanded access to higher education. With the changed function came the name Cameron State Agricultural College. It became solely a college in 1941 when the Oklahoma State System of Higher Education was formed, and joined the group of institutions governed by the Board of Regents for Oklahoma A&M Colleges.

Baccalaureate degrees were authorized in 1966 by the Oklahoma State Regents for Higher Education, following action by the Legislature. In May of 1970, the first bachelor’s degrees were awarded. The institution's name was changed to Cameron College in 1971, and was further amended to Cameron University in 1974.

In 1988, the State Regents expanded Cameron's functions to include offerings at the master’s degree level. This change in function was the first granted to an Oklahoma institution since Cameron was given authority to offer bachelor’s degrees more than 20 years earlier. The first master’s degrees were awarded to forty-one graduates in May of 1990.

In recognition that Cameron’s mission had become significantly more complex and predominantly urban, on June 1, 1992, governance of the University was transferred by the Oklahoma Legislature to the governing board for the University of Oklahoma, the Board of Regents of the University of Oklahoma (“Board of Regents”). With the transfer of governance came new affiliations between Cameron and the University of Oklahoma, which have broadened and strengthened academic offerings by both institutions.

WHO WE ARE

Cameron University is a regional, public university serving Southwest Oklahoma and a global learning community. The University is governed by The Board of Regents of The University of Oklahoma within a state system coordinated by the Oklahoma State Regents for Higher Education. Cameron University offers associate, baccalaureate, and master’s degree programs.

MISSION STATEMENT

Cameron University provides a diverse and dynamic student body access to quality educational opportunities; fosters a student-centered academic environment that combines innovative classroom teaching with experiential learning; prepares students for professional success, responsible citizenship, lifelong learning, and meaningful contributions to a rapidly changing world; and is a driving force in the cultural life and economic development of the region.

INSTITUTIONAL PURPOSES

In pursuit of its mission, the University has established three areas of commitment and service: education for effective living, education for specialized fields of endeavor, and education through community service.

Education for Effective Living

Cameron University's program of education for effective living is designed to provide common experiences needed by all citizens. The program's objectives are to encourage the student to think clearly, creatively, and critically about those problems confronting the individual and society; to stimulate the student to seek more knowledge, develop more tolerance, and to acquire greater awareness of the world community; to assist the student in making contributions to the groups of which society is composed; and

to foster within the student the desire to continue the pursuit of knowledge whereby a better understanding of self and society is afforded. The University seeks to facilitate these objectives through required general education courses in communications, mathematics, natural sciences, American history and political science, humanities, behavioral sciences, economics, physical activities, and through a program of student services.

Education for Specialized Fields of Endeavor

The purpose of specialized education is to develop the technical and professional competencies of individuals in order that they meet the demands and requirements of modern professions. The University is committed to specialized education in four realms:

Baccalaureate Degree Programs

Baccalaureate degree programs provide for a comprehensive background and concentrated investigation in one or more disciplines. These curricula prepare the student for entrance into professions, for further professional training, or for graduate study. The University seeks to facilitate such objectives by offering curricula leading to the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Specialty.

Graduate Degree Programs

Graduate degree programs are designed to offer opportunities for advanced learning, professional preparation, economic enhancement, and personal development through concentrated and detailed study and research in one or more academic disciplines appropriate to persons living in Southwest Oklahoma. Cameron University facilitates such objectives by offering curricula leading to master’s degrees. For more information refer to the Graduate Catalog at http://www.cameron.edu/graduate.

Education Through Community Service

The University serves individuals, businesses, industries, and professions in the service area by making available, on campus and in the community, facilities and personnel who organize, promote and participate in both credit and non-credit conferences, institutes, workshops and vocational and extension courses. In addition, individual University personnel serve as resource persons for the community. The University also provides facilities and personnel for lectures, musical and dramatic productions, art exhibits and intercollegiate athletics. The University supports research projects appropriate to the University and outside agencies.

UNIVERSITY FUNCTIONS

The following functions are assigned to Cameron University by the State Regents for Higher Education:

- To provide the educational programs of a senior college for the people living in the eleven counties of Southwest Oklahoma.
- To provide a program of general education for all students designed to provide common experiences which are needed by all citizens if they are to live productively.
To provide programs of instruction in the liberal arts and sciences culminating in the awarding of Bachelor of Arts, Bachelor of Science or Bachelor of Specialty degrees.

To provide programs, involving both course work and practical experiences, designed to assist in the development of effective early childhood, elementary, secondary and elementary-secondary teachers.

To provide pre-professional course work and advisement for students planning to complete professional programs at other colleges and universities.

To provide post-secondary programs having less than a baccalaureate objective in technical and occupational education culminating in the awarding of Associate in Science and Associate in Applied Science Degrees.

To provide community services including programs of continuing education, both for credit and non-credit, cultural productions and special events designed to improve the intellectual, cultural, social, physical, moral, economic and occupational capacities of the people of Southwest Oklahoma.

To provide programs of instruction for military personnel, including those persons stationed at Fort Sill and other military installations in the region and those who desire to pursue Reserve Officers' Training programs.

To provide facilities, encouragement and financial support for faculty development and for faculty, student and constituent research projects.

To provide graduate level programs designed to offer opportunities for advanced learning, professional preparation, economic enhancement, and personal development culminating in Master's Degrees.

**SERVICEMEMBERS OPPORTUNITY COLLEGE**

Cameron University has been designated as a Servicemembers Opportunity College. Sponsored by the American Association of State Colleges and Universities, the Servicemembers Opportunity College (SOC) represents a commitment to education for the military. This network of institutions with similar admissions, transfer and residence requirements and policies allows service members to move from random educational activities into program completion efforts. It allows maximum coordination of opportunities among institutions. Students with a SOC agreement must complete the degree requirements within seven years from issue date.

The four-year degree areas offered through Cameron University are: Accounting, General Business, Marketing, Management, Criminal Justice, English, History, Information Technology, Interdisciplinary Studies, Mathematics, Psychology, Sociology, and Political Science.

The two-year degrees are Criminal Justice and Interdisciplinary Studies.

This program is coordinated through the Admissions Office.

**FINANCIAL INFORMATION**

All students are charged a general fee which includes charges for registration, library and classroom and laboratory instruction. Special fees are charged for other services which are made available to students. The rates for both general and special fees are set by the Oklahoma State Regents for Higher Education and are subject to periodic review and revision.

Refer to the current Enrollment Schedule or visit the University Business Office website at http://www.cameron.edu/business_office for current fees and refund policies.

**FINANCIAL ASSISTANCE**

Cameron has assistance programs in the form of scholarships, grants, loans, and employment. Students intending to apply for financial assistance should contact the Office of Financial Assistance well in advance of the time to enter CU. Application materials may be obtained from the Financial Assistance Office or at http://www.cameron.edu/financialaid/apply.html.

**GRANTS**

Federal and state funds are available through Cameron University in the form of educational grants (Pell, SEOG, TEACH, Oklahoma’s Promise/OHLP, and OTAG) to help students with exceptional financial need to pursue a course of undergraduate study. The student must be enrolled or have been accepted for enrollment and must show the ability to maintain satisfactory academic progress.

The grant amounts vary depending on (1) financial need and (2) amount of assistance provided from non-federal grants, scholarships, loans and student employment. The student must be enrolled in an eligible program leading to a degree or certificate. Applications may be obtained from the Office of Financial Assistance, Cameron University, Lawton, Oklahoma 73505, or at http://www.cameron.edu/financialaid/apply.html.

**LOANS**

Cameron University is a participant in the William D. Ford Direct Loan Program. If all federal requirements are met, an applicant who is an undergraduate or a graduate student in an eligible program can borrow money for educational expenses. Applicants must be enrolled or be accepted for enrollment on at least a half-time basis and show evidence of ability to maintain satisfactory academic progress. Repayment and interest requirements will depend upon the type of loan applied for and current federal guidelines.

For detailed information about each loan and the required application form can be found at http://www.cameron.edu/financialaid/loans.html.

**STUDENT EMPLOYMENT**

Cameron University offers employment to a limited number of students each year in all areas of the university. Students have the opportunity to apply for an on-campus position to assist with educational expenses. To view current on-campus employment opportunities and for additional information about becoming a Cameron employee, go to AggieAccess and click on My Info, then Quick Links, and On-Campus Employment. The list is maintained by the Office of Human Resources and can be accessed online at http://www.cameron.edu/personnel/studentemployment.

**SCHOLARSHIPS**

Each year a variety of scholarships are awarded to Cameron students. Scholarships are made available by the State of Oklahoma, Cameron University, the Cameron University Foundation and private organizations through Cameron. Scholarships are awarded on a competitive basis and are based upon scholastic ability, financial need, demonstrated talent in individual studies, leadership, athletics or fine arts. For additional information, applicants should contact the Financial Assistance Office, the Director of Admissions, or the Chair of the department in the area of your major or in which the scholarship is desired.

The priority date for scholarship application submission is February 1st of each year. Scholarship applications received after February 1st each year will be considered only if funds are available. A listing of university scholarships and the university scholarship application is available at http://www.cameron.edu/financialaid/gen_scholarship.app.

**FINANCIAL ASSISTANCE**

Cameron University is certified by the Oklahoma State Accrediting Agency to the Veterans Administration (VA) as an approved training institution for certain veterans, eligible dependents or survivors and active service members who qualify for federally-enacted education benefits administered by the VA.

Cameron University's Veterans Affairs Office (VAO) provides assistance and information on application for benefits, available programs, admission and enrollment, general advisement and counseling and special tutorial services. A primary function of VAO is the certification of student enrollment and attendance to the VA. Eligible students are encouraged to use VAO services in matters pertaining to school and related VA benefits.
Initiation and continuation of VA education benefits are accomplished by eligible students through the Veterans Affairs Office. Students must submit paperwork indicating an intent to enroll at Cameron University and a request for assistance with veterans benefits at least ten weeks prior to the beginning of each semester. It is the responsibility of the student to report to the Office of Veterans Affairs (http://www.cameron.edu/veteran_affairs) prior to each semester.

**ADMISSIONS**

Requirements for admission to Cameron University are established by the Oklahoma State Regents for Higher Education.

For admission requirements for Graduate Studies, contact the Office of Admissions at 580-581-2289 or http://www.cameron.edu/graduate.

**Baccalaureate Degree Admission.** Minimum admissions requirements are:

- Graduate of an accredited high school or possess a GED (student's high school class must have graduated).
- Meet the following performance requirements:
  - minimum composite ACT of 20 or SAT of 940, OR
  - rank in the top 50 percent of high school graduating class AND have a high school (4 years) grade point average of at least 2.7.
- Meet the minimum high school curricular requirements:
  - 4 years of English (grammar, composition, literature),
  - 3 years of mathematics (Algebra I and higher level mathematics),
  - 3 years of lab science (may not include general science),
  - 3 years of history and citizenship skills (including 1 year of American History and 2 additional years from the subjects of history, economics, geography, government, non-western culture),
  - 2 years of other (additional subjects previously mentioned or selected from computer science, foreign language).

Graduates of unaccredited high schools or home study programs, whose high school class has graduated, may satisfy admissions requirements by taking the ACT or SAT and achieving a minimum ACT score of 20 or SAT of 940 and satisfying the curricular requirements as certified by the school or for home study, the parent.

Individuals meeting these criteria are eligible for admission to baccalaureate, associate in science, or associate in applied science degrees.

**Associate in Science Admission.** Minimum admissions requirements are:

- Graduate of an accredited high school or possess a GED (student's high school class must have graduated), AND
- Meet the minimum high school curricular requirements for baccalaureate degrees above, AND
- Complete the ACT or SAT

**Associate in Applied Science Admission.** Minimum admissions requirements are:

- Graduate of an accredited high school or possess a GED (student's high school class must have graduated) AND
- Complete the ACT or SAT.

Students lacking curricular requirements may be required to take remedial/developmental courses. These courses must be completed within the first 24 semester hours attempted, with a grade of “C” or higher and prior to taking courses in the discipline. To transfer to an associate in science or baccalaureate degree program the student must meet both the curricular and performance admission requirements.

**Non-Degree Seeking Student Admission.** A student who does not plan to pursue a degree may enroll in a maximum of nine semester hours without submitting academic credentials or meeting the academic curricular or performance requirements. Enrollment in mathematics, English, science, history and government courses will be determined by placement tests. Enrollment beyond nine hours will require formal admission.

**Alternative Admission.** This admission category is for those individuals who do not meet the performance or curricular requirements or who need remediation in two or more subjects but (1) have a reasonable chance for academic success, (2) have unusual talent or ability in art, drama, music, sports, and the like, or (3) are educationally or economically disadvantaged and show promise of being able to succeed in a program or curriculum at Cameron. Students applying for admission under this section will be admitted through associate degree standards. To transition to baccalaureate degree programs, students must successfully address all curricular and performance deficiencies and successfully complete twenty-four collegiate credit hours.

**Adult Admission.** Students who are 21 years of age or older and not be active military who have graduated from high school or have a GED are eligible for admission to Cameron University. Any student admitted through the Adult Admissions category must demonstrate college readiness through defined placement assessments or by successful completion of zero-level courses before entering bachelor level degree programs.

**Opportunity Admission.** Students who have not graduated from high school whose composite standard score on the ACT places them at the 99th percentile of all students using national norms may apply for admission to Cameron. Admission will be based on the test scores, evaluation of the student's level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of the student intellectually and socially.

**International Students and Students for Whom English is a Second Language Admission.** International students are required to meet the equivalent academic performance standards listed above. Additionally, students for whom English is a second language will be required to present evidence of proficiency in the English language prior to admission. Applicants for first-time admission (less than 24 semester hours at a regionally accredited U.S. institution of higher education) at the undergraduate level must present a TOEFL minimum score of 500 or higher on the paper-based test, 173 or higher on the computer-based test, 61 or higher on the internet-based test, or a 5.5 on the IELTS to meet the standards for unqualified admission to Cameron. Contact Admissions Office for additional information.

**Concurrent Enrollment of High School Students.**

A senior student enrolled in an accredited Oklahoma high school may be admitted provisionally if the following criteria are met. The student must:

- Earn an ACT composite score of 20 or higher or have a high school grade point average of 3.0 and rank in the top 50% of senior class.

An eleventh grade student enrolled in an accredited high school may be admitted provisionally if the following additional criteria are met. The student must:

- Earn an ACT composite score of 23 or higher or have a high school grade point average of 3.5.

A student receiving high school level instruction at home or from an unaccredited high school may be admitted provisionally if the following criteria are met:

- Student is 17 years of age or older and meets the requirements of the 50th percentile on standardized test (ACT/SAT).
- Student is 16 years of age and meets the requirements of the 72nd percentile on standardized test (ACT/SAT).

All concurrently enrolled students must also:

- Provide a signed statement from the high school principal stating the senior high school student will be able to satisfy high school graduation requirements (including curricular requirements for college admission) no later than the spring semester of the senior year.
prerequisites for upper division courses are lacking, (2) grade levels required by Cameron have not been attained, or (3) professional licensing or certifying agencies requirements exceed the junior college general education requirements.

Re-Admission. Any former Cameron student who did not attend Cameron during the previous academic year must apply for re-admission.

Falsification and Ownership of Records

Falsification of any admission record, whether by change, omission, or untrue statement will be grounds for permanent denial of admission to the University or suspension from the University with forfeiture of any credit earned.

All records required for admission become the property of Cameron University. Examples include, but are not limited to, test score reports, GED reports, and transcripts.

Name or Address Change

A student who has legally changed his/her name must provide appropriate documentation to substantiate the change. This documentation is to be submitted to the Registrar's Office. All transcripts are issued under the student's legal name as recorded in the Registrar's Office. Students should maintain their current mailing address on file to avoid not receiving financial information and any other important notices. Students should log in to their AggieAccess account to update address information.

Initial Course Placement

Cameron University uses ACT scores to determine placement in English, mathematics, reading and science courses for first-time entering freshmen. Students with an ACT score of less than 19 in English, mathematics, or reading are required to take a remedial course or courses in the subject area or be approved for placement in a collegiate level course based on performance on computerized placement tests (CPT). Students with an ACT of less than 19 in science will be required to remediate any mathematics or reading course deficiencies prior to taking a science course and may be required to complete additional courses to meet baccalaureate degree requirements.

Initial course placement regulations for students with or without developmental course requirements are included on the next page.

Admission of Students Suspended From Other Institutions.

A student suspended for academic reasons from other institutions may appeal for admission to Cameron. Information regarding this policy and appeal procedures may be obtained from the Admissions Office.

Transfer Probation. Students who do not meet the academic criteria including curricular requirements as stated above under the transfer categories, but who have not been formally suspended, may be admitted as "transfer probation" students. If grade point average (GPA) is less than 2.0, student will be admitted as a "transfer probation" student. Students seeking admission in this category must meet with an Admissions Officer regarding procedures and enrollment conditions.

Admission of Oklahoma State System Associate in Arts and Associate in Science Graduates. Students who have completed the requirements for an Associate in Arts or Associate in Science degree at an Oklahoma State System institution will be accepted as having fulfilled the general education requirements for bachelor of arts or bachelor of science degrees. Additional requirements will be required when (1)
Cameron University/21

2013-2015

CAMERON UNIVERSITY INITIAL COURSE PLACEMENT

UNIVERSITY SUCCESS*

**Required For:**

UNIV 1001 Introduction to University Life

Entering students without developmental course needs

UNIV 1113 Study Strategies for College Success

Entering students with developmental course needs

*Required in first term of enrollment for all entering freshmen, for transfer students with fewer than 24 earned collegiate hours, and for transfer students with developmental course needs. “Developmental course needs” include any courses identified to meet performance or curricular deficiencies. Success courses from other institutions will be considered.

ENGLISH

<table>
<thead>
<tr>
<th>Course Placement</th>
<th>Required</th>
<th>ACT</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1113 English Composition I OR ENGL 1113 English Composition I (for Non-Native Speakers)</td>
<td>96+</td>
<td>19+</td>
<td></td>
</tr>
<tr>
<td>ENGL 0103 Basic Composition Skills OR ENGL 4043 English for Academic Purposes I*</td>
<td>64 or less</td>
<td>15 or less</td>
<td></td>
</tr>
</tbody>
</table>

*Students with English deficiencies may not enroll in HIST 1483, HIST 1493, GEOG 3023, or PS 1113 until the deficiency is removed by successfully completing ENGL 0103/0403 and/or ENGL 0113/0413 or equivalent.

READING

<table>
<thead>
<tr>
<th>Course Placement</th>
<th>Required</th>
<th>ACT</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>READ 0123/0223 NOT needed. Score (or equivalent course) clears deficiency.</td>
<td>78+</td>
<td>19+</td>
<td></td>
</tr>
<tr>
<td>READ 0223 Reading Fundamentals II*</td>
<td>64–77</td>
<td>16–18</td>
<td></td>
</tr>
<tr>
<td>READ 0213 Reading Fundamentals I*</td>
<td>63 or less</td>
<td>15 or less</td>
<td></td>
</tr>
</tbody>
</table>

*Students with reading deficiencies may not enroll in a biological or physical science course until the deficiency has been removed by successfully completing READ 0123 and/or READ 0223 or equivalent.

MATHEMATICS

<table>
<thead>
<tr>
<th>Course Placement</th>
<th>Required</th>
<th>ACT</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1513 College Algebra</td>
<td>98+</td>
<td>19+</td>
<td></td>
</tr>
<tr>
<td>MATH 1413 Survey of Mathematics**</td>
<td>73+</td>
<td>19+</td>
<td></td>
</tr>
<tr>
<td>MATH 0213 Intermediate Algebra**</td>
<td>65–74</td>
<td>16–18</td>
<td></td>
</tr>
<tr>
<td>MATH 0103 Beginning Algebra¹</td>
<td>44–64</td>
<td>13–15</td>
<td></td>
</tr>
<tr>
<td>MATH 0013 Pre-Algebra</td>
<td>43 or less</td>
<td>12 or less</td>
<td></td>
</tr>
</tbody>
</table>

*Students with math deficiencies may not enroll in a biological or physical science course until the deficiency has been removed by successfully completing a sequence of courses ending with MATH 0115 or MATH 0213 or equivalent.

*Students with math deficiencies may not enroll in the accelerated course, MATH 0115.

*Students with math deficiencies may not enroll in a biological or physical science course until the deficiency has been removed by successfully completing a sequence of courses ending with MATH 0115 or MATH 0213 or equivalent.

DANTES SUBJECT STANDARDIZED TESTS (DSST)

<table>
<thead>
<tr>
<th>TEST TITLE</th>
<th>ACE RECOMMENDATION</th>
<th>CU CREDIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of College Algebra</td>
<td>400</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Statistics</td>
<td>400</td>
<td>3</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>400</td>
<td>3</td>
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<tr>
<td>Human/Cultural Geography</td>
<td>48</td>
<td>3</td>
</tr>
<tr>
<td>SubSTANCE Abuse</td>
<td>400</td>
<td>3</td>
</tr>
<tr>
<td>Astronomy</td>
<td>48</td>
<td>4</td>
</tr>
<tr>
<td>Physical Geology</td>
<td>46</td>
<td>4</td>
</tr>
<tr>
<td>Principles of Physical Science</td>
<td>47</td>
<td>3</td>
</tr>
<tr>
<td>Principles of Financial Accounting</td>
<td>47</td>
<td>3</td>
</tr>
<tr>
<td>Business Ethics &amp; Society</td>
<td>400</td>
<td>3</td>
</tr>
<tr>
<td>Business Law II</td>
<td>44</td>
<td>3</td>
</tr>
<tr>
<td>Human Resource Management</td>
<td>46</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Business</td>
<td>400</td>
<td>3</td>
</tr>
<tr>
<td>Intro to Computing</td>
<td>400</td>
<td>3</td>
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<td>48</td>
<td>3</td>
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<tr>
<td>Technical Writing</td>
<td>46</td>
<td>3</td>
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<tr>
<td>Ethics in America</td>
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Advanced Standing Credit

Students enrolled at Cameron University may receive degree credit for post-secondary level extra-institutional learning related to subject areas, courses, and programs of study offered by Cameron University. The Vice President for Academic Affairs is responsible for developing and administering policies and procedures for awarding advanced standing credit. Advanced standing credit awards are made under policies and procedures designed to assure that reliable and valid measures of learning outcomes have been applied.

Credit recommendations for AP, CLEP, and DSST will be made using the recommendations below. When equivalent to a Cameron course, a Cameron course prefix, number, and title will be assigned; when not equivalent, a Cameron course prefix, 100T, 200T, 300T, or 400T, and title from guide used to evaluate the course will be assigned. Credit hours for course with no equivalent will be listed in the hours earned category on the student’s transcript. The lists below and on subsequent pages include only those tests for which Cameron gives credit; a complete list of all AP, CLEP, and DSST test titles is available at http://www.cameron.edu/testing.

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<td>400</td>
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</tr>
</tbody>
</table>

Guided Elective Deficiency. Students with a guided elective deficiency must take one additional 3 credit hour general elective course. (UNIV 1113 is suggested.)

Science Deficiency. Students with a science deficiency must take one additional biological or physical laboratory science beyond the general education requirement.
### COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) EXAMS

<table>
<thead>
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<th>RECOMMENDATION</th>
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<th>CU CREDIT</th>
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<tr>
<td><strong>Composition and Literature</strong></td>
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</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>6</td>
<td>ENGL 3023,3033</td>
</tr>
<tr>
<td>College Composition</td>
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*awarded for a score of 50
**awarded for a score of 50 and “passing” essay.

### ADVANCED PLACEMENT PROGRAM (AP)

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*awarded for a score of 50
**awarded for a score of 50 and “passing” essay.
ACADEMIC REGULATIONS

Requirements for Graduation

- Completion of the specified degree requirements with a minimum retention/graduation grade point average of 2.0 and a minimum retention/graduation grade point average of 2.0 in all work taken at Cameron University.
- Baccalaureate degree candidates must satisfactorily complete a minimum of 30 semester hours in residence at Cameron University. At least 15 of the final 30 hours applied toward the degree or at least 50 percent of the hours required by the institution in the major field must be satisfactorily completed at the awarding institution.
- Associate degree candidates must complete a minimum of 15 semester hours in residence at Cameron University.
- Baccalaureate degree candidates must complete a minimum of 60 semester hours, excluding physical education activity courses, at a baccalaureate degree-granting institution, 40 semester hours of which must be upper-division excluding physical education activity courses.
- Baccalaureate degrees must include a liberal arts and science component as follows: bachelor of arts, 80 semester hours minimum; bachelor of science, 55 semester hours minimum; and bachelor of specialty, 40 semester hours minimum.
- Note: Some degrees have requirements in addition to these University requirements. Consult the specific degree for a listing of any such requirements.

See the Graduate Studies Catalog for information about the requirements for master’s degrees. Graduate Catalog is available online at [http://www.cameron.edu/graduate](http://www.cameron.edu/graduate).

Grade Point Averages

Cumulative Grade Point Average
The ratio of total grade points to the total grade point earning hours attempted throughout a student's undergraduate career excluding remedial/developmental courses. It is calculated by dividing the total grade points earned by the total grade point earning hours attempted. Credit hours to which an "I", "W", "S", "U", "AU", "P", or "AW" has been assigned are not grade point earning hours.

Retention/Graduation Grade Point Average
The ratio of grade points earned to the total grade point earning hours attempted excluding remedial/developmental courses, "forgiven" courses, "retrieved" courses, and physical education activity courses.

Graduation Under a Particular Catalog
Curricular requirements for baccalaureate and associate degrees can be changed for students who complete those degrees within six years of the first date of enrollment at Cameron only to the extent that such changes do not delay graduation or add additional hours to the program.

Major Requirements
A minimum of one-half of the upper-division credits required for a major must be earned in residence at Cameron University. The dean of the school responsible for the major, acting upon a written request from the student accompanied by a statement from the student's advisor and the chair of the department responsible for the major, may approve an exception to this regulation. The applicability of major courses, taken before the major was declared, is determined by the dean of the school responsible for the major.

Transfer Credit from Regionally Accredited Colleges and Universities
Semester hours transferred from accredited colleges and universities are equated on a one-to-one basis. Quarter hours are equated on the basis of three quarter hours to two semester hours. The maximum number of lower division hours transferred from non-baccalaureate degree granting institutions which may be applied toward baccalaureate degree requirements is equal to the total hours required for the degree less 60. Responsibility for determining the applicability of transfer credits to meet major or minor requirements rests with the dean of the school offering the major or minor. This responsibility may be delegated to department chairs or faculty members under the supervision of the dean. The Vice President for Academic
Affairs is ultimately responsible for determining the applicability of transfer credits to meet general education requirements. The Vice President for Academic Affairs may designate faculty members or admissions personnel to assist with this function.

**Concurrent Enrollment**
A student seeking a degree at Cameron who desires to earn credits concurrently at another institution or through correspondence, must secure approval from the dean of the school (at Cameron) responsible for the major prior to taking the course if the credits are to be used to meet degree requirements.

**Correspondence Credit**
Credit earned through correspondence offered by regionally accredited institutions may be applied toward degree requirements upon recommendation by the student's advisor with approval of the department chair of the student's major and the dean responsible for the major.

**Second Baccalaureate Degree**
A student may receive a second baccalaureate degree upon completion of (1) a minimum of 30 semester hours beyond the first degree with at least 15 of the hours in residence at Cameron, (2) a total of at least 30 semester hours in residence at Cameron, (3) the requirements for an additional major, and (4) the U.S. History and American Government requirements.

**Second Associate Degree**
A student may receive a second associate degree upon completion of a minimum of 15 semester hours in residence at Cameron University in addition to the hours required for the first degree, provided the requirements for the degree are met.

**Double Majors**
Students may have more than one major listed on their transcripts, provided they complete all of the requirements for each of the majors. A student seeking two majors must designate one of the majors as the "first major." The degree awarded will be determined by the designated "first major." Students fulfilling all of the requirements of a "second major" are not required to complete a minor.

**Duplicate Use of Courses**
Credits earned in a particular course may not be used to fulfill the requirements of two different majors or of both a major and a minor. Should the same course be required in each of a student's majors or in both his major and minor (See "Double Majors"), a student will be expected to complete an additional elective course in the discipline in which the duplication occurs.

**Graduation Application**
Each candidate for a degree shall file a graduation application with the Office of the Registrar the semester or summer session prior to the session in which the student expects to graduate.

**Diplomas and Transcripts**
Cameron University views the diploma as a “ceremonial” document, suitable for display purposes. The document officially verifying completion of degree requirements is the transcript issued by the Registrar’s Office. A student may obtain a copy of his/her official transcript from the Office of the Registrar at no charge. Student must present photo identification to obtain transcripts.

**Presence at Commencement Exercises**
An annual commencement exercise is conducted at the end of the spring semester. Students who complete graduation requirements that semester or at the end of the preceding fall semester and those who apply to graduate at the end of the following summer session or following fall semester, are invited and encouraged to attend.

**Recognition of Honor Graduates**
Graduating baccalaureate and associate degree candidates with superior academic records are accorded special recognition by the University. A student who has achieved a cumulative grade point average of 4.00 graduates "summa cum laude,” one whose cumulative grade point average is less than 4.00 but is 3.80 or above and is in the top five percent of the graduating class graduates "magna cum laude,” and one whose cumulative grade point average is between 3.60 and 3.80 and is in the next ten percent of the graduating class graduates "cum laude.” These honors are listed on official Cameron University transcripts, and honor graduates are formally recognized at the commencement.

**Academic Load**
Academic load includes all courses (concurrent enrollment, day, evening, workshops, off-campus) in which a student is enrolled.

- The normal academic load for a regular semester is 16 semester hours and for a summer or eight-week session is eight semester hours.
- The maximum load that a student will normally be permitted to carry is 18 semester hours during a regular semester or 9 semester hours during a summer or eight-week session.
- A student who has attained an overall grade point average of 3.00 and has completed a minimum of 15 semester hours will be permitted to enroll in 21 semester hours during a regular semester or 10 semester hours during a summer or eight-week session.
- All other overloads must be recommended by a student's faculty advisor and approved by the dean of the school responsible for the student's major.
- The credit hour load that may be approved for a regular semester, summer session, eight-week session, or short course can never exceed one and one-half times the number of weeks in the semester, summer session, eight-week session, or short course.

**Full-Time Student**
A student who enrolls in 12 or more hours during a regular semester or 6 or more hours during a summer or eight-week session is classified as a full-time student.

**Classification of Students**
Freshman are those students who have less than 30 semester hours of credit; sophomores, those with 30 or more semester hours, but less than 60; juniors, those with 60 or more semester hours, but less than 90; and seniors, those with 90 or more semester hours who have not received a degree. Students who are non-degree seeking at Cameron University are classified as "special students."

**Enrollment**
Students may enroll for courses with an academic advisor during designated times listed on the Enrollment Schedule (online at http://www.cameron.edu/info/schedules or on AggieAccess). To receive credit for a course, a student must enroll prior to taking the course.

**Late Enrollment**
Enrollment after the first full week of classes in any semester, summer or eight-week session or proportionate period of a special schedule is a late enrollment. Late enrollments require permission from the instructor(s), chair(s), dean(s) responsible for the course(s) in which a student wishes to enroll as well as the Vice President for Academic Affairs. Any student enrolling late will be responsible for making up all work of the classes in which s/he enrolls but is not guaranteed credit for any late work.

**Changing Course Schedules**
Changes of schedule are processed in the Registrar's Office, Academic Advising Center, or departmental offices.

- **Adding Courses.** The first day of the second week of classes of a regular semester, summer or eight-week session or proportionate period of a special schedule is the last day a course may be added.
- **Dropping Courses.** Courses dropped during the first ten days of a regular semester, first five days of a summer or eight-week session or proportionate period of a special schedule, will not be recorded on a student's academic record.
- **Courses dropped after the first week and prior to the end of the twelfth week of a regular semester or proportionate period of other sessions will be recorded on a student's academic record with a course status symbol of “W.”**
- **Courses dropped after the twelfth week of a regular semester or proportionate period of other sessions and prior to the end of the fourteenth week of a regular semester or proportionate period of other sessions will be recorded on a student's academic record with a symbol of "W", or grade of “F”, as assigned by the instructor.**
Courses may not be dropped after the fourteenth week of a regular semester or proportionate period of other sessions.

Auditing
A student may enroll in a credit course as an auditor on a non-credit basis with the permission of the instructor teaching the course. Enrollment is done in the normal manner with the indication that it will be an audit. Auditors are not held responsible for the work expected of regular students and receive no grade or credit for the course. Test participation is the prerogative of the instructor. A student who audits a course agrees that s/he will not petition or ask in any way for the privilege of taking an examination to obtain credit after auditing the course. A student enrolled as an auditor may change the enrollment from audit to credit or vice versa during the first week of a regular semester, summer or eight-week session or proportionate period of a special schedule, with the permission of the instructor. A student enrolled for credit may change the enrollment to audit within the first eight weeks of a regular semester or proportionate period of other sessions only, with the permission of the instructor.

Attendance
A student is responsible for the content of each course in which s/he is officially enrolled. At the beginning of each course the instructor will define and quantify attendance standards, procedures for verifying unavoidable absences, and methods of dealing with missed assignments and examinations. Instructions for dropping courses without an entry on a student's academic record (see regulation 20) will be stated in writing and distributed to students prior to the end of the period. It is a student's responsibility to note these instructions and follow them consistently and carefully.

Withdrawing from the University
Non-attendance or ceasing to attend a class does not constitute official withdrawal. To officially withdraw from the University, follow the procedures listed on the Enrollment Information webpage (http://www.cameron.edu/info/schedules/enroll.html). It is a student's responsibility to complete the withdrawal process. Grades will be assigned in accordance with regulation 20. A student may not withdraw during the last two weeks of a semester or proportionate period of other sessions. If because of unavoidable circumstances a student is unable to personally complete the withdrawal process, he/she should contact the Registrar's Office by mail or by phone for assistance.

Credits
Credits are given in semester hours. A semester hour consists of one hour (50 minutes) of class work or a minimum of two hours of laboratory work per week for a regular semester.

Course Number System
Course numbers are four digits. The first digit indicates the class year in which the subject is ordinarily taken. A zero in the first digit indicates a non-college level course. The last digit indicates the credit hours awarded for the course. The two middle digits identify the course within the department. For example, a course numbered 2013 is a sophomore course carrying three semester hours of credit.

Prerequisites and Corequisites
Enrollment in some courses is restricted to students who have taken or are taking certain other courses, who have attained a particular class standing, who have obtained the consent of the department, or who are pursuing a particular major or majors. In general, prerequisites are courses or conditions that must be completed prior to enrollment in a particular course; corequisites are courses or conditions that must be taken simultaneously with another course. Prerequisites and corequisites are listed with the course descriptions.

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<th>GRADES NOT USED IN CALCULATING GPA</th>
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**SYMBOLS USED TO INDICATE COURSE STATUS**

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"S" and "U" Grades. The grades of S (satisfactory) and U (unsatisfactory) may be used in grading certain courses at the discretion of the instructor offering the course, with prior approval of the department chairman. When a course is selected for S-U grading, the entire class must be graded on the same basis. The grade of 'S' also will be used to indicate passing in a credit course transferred to Cameron in which no letter grade has been assigned, and to designate advanced standing credits.

"W" Symbol. A "W" may be awarded only if the student initiated and completed withdrawal from a course.

"AW" Symbol. An "AW" is assigned by the Vice President for Academic Affairs to indicate that the instructor was administratively withdrawn for disciplinary reasons or inadequate attendance.

"I" Symbol. An incomplete may be given (at an instructor's discretion) to a student whose grade average is passing, but who did not complete a course at the end of a term. Students who receive an "I" will have no more than one year from the end of the semester in which the course was taken to complete the required work for the course. The instructor shall record the conditions and time limit for removing the "I" on the grade roster that is filed with the Office of the Registrar. Students who receive an "I" will have no more than one year from the end of the semester in which the course was taken to complete the required work for the course. During that year, the student is not permitted to re-enroll in the course. If by the end of the year no change in grade has been submitted, the grade of "I" will become permanent. After a grade of "I" has become permanent, a student may re-enroll in the course. In no case will an "I" be changed to a grade of "F" after a student has graduated.

Changing an "I"
It is the responsibility of the student to satisfy the requirements specified by the instructor at the time of the assignment of the "I". It is the responsibility of the instructor to submit a "Grade Correction" form signed by his/her chair and dean. In the event of the instructor's absence, death, or disability, the grade may be changed by someone authorized by the President of the University with the advice of the Academic Appeals Committee to act in the instructor's behalf.

Changing Grades Reported in Error
The only reason to change a grade is to correct a grade reported in error. The instructor who submitted final grades may make such a change by submitting to the Registrar a "Grade Correction" form signed by his/her chair and dean. In the event of the instructor's absence, death, or disability, the grade may be changed by someone authorized by the President of the University with the advice of the Academic Appeals Committee to act in the instructor's behalf.

Repeating Courses
Repeating a course does not remove the previous grade from the student's record. However, repeated course credit hours may not be counted toward graduation requirements unless a course is so identified in the course description.
Scholastic Requirements for Continued Enrollment

Retention Standards. A retention grade point average of 1.7 or greater during the first 30 attempted semester hours and a retention grade point average of 2.0 or greater after 30 attempted semester hours.

Good Academic Standing. A student who meets the University's retention standards is in good academic standing.

Academic Notice. Freshmen students, 30 or fewer semester hours, with a retention GPA of 1.7 to less than 2.0 will be placed on academic notice and may be required to participate in special academic support activities as a condition of continued enrollment. Academic notice is not recorded on the transcript. Students placed on academic notice with fewer than 45 earned college-level credit hours will be required to successfully complete UNIV 2001.

Academic Probation. A student who fails to meet the retention standards will be placed on academic probation and will remain on probation until the applicable retention standard is met or he/she is placed on academic suspension. Students on academic probation may be required to participate in special academic support activities as a condition of continued enrollment. Academic probation is recorded on the transcript. Students placed on academic probation with fewer than 45 earned college-level credit hours will be required to successfully complete UNIV 2001.

Academic Suspension. Academic suspension will occur at the end of any semester during which a student who is on academic probation fails to meet the applicable retention standard or fails to earn a semester GPA of at least 2.0 in regularly graded work, not to include activity or performance courses. Suspended students may not be reinstated until one regular semester (fall or spring) has elapsed. Academic suspension is recorded on the transcript.

Suspension of Seniors. A student with 90 or more semester hours in a specified degree program who has failed to meet the retention standard for continued enrollment and has failed to earn a semester GPA of 2.0, which would allow continued enrollment, may enroll in an additional 15 semester hours in a further attempt to achieve the requirements for retention. A student will be afforded this extension one time only.

Academic Suspension Appeals and Re-admission. A student who has been academically suspended from the University for the first time may apply for re-admission after one regular semester (fall or spring) or appeal the suspension and apply for immediate reinstatement. There are two categories of students who may appeal a suspension and apply for immediate reinstatement with the understanding the reinstatement does not remove the record of suspension.

(1) Appeals of academic suspension due to "extraordinary personal circumstances" will be considered by the Academic Appeals Committee. Students reinstated on this basis will be readmitted on probation and must maintain a 2.0 GPA each semester or summer session while on probation or raise their retention GPA to the retention standard.

(2) Students suspended at the end of a spring semester may appeal to enroll in the summer session. Students in this category are automatically reinstated upon review and approval of a student's summer enrollment schedule by a designated member or members of the Academic Appeals Committee. Approved summer schedules will be limited to core academic courses that meet general education or degree requirements. To continue in the fall semester these students must make at least a 2.0 GPA in the summer session. Students who do not raise their cumulative GPA to retention standards in the summer session will be enrolled on probation in the fall semester. Students who fail to achieve a 2.0 or higher GPA in the summer session will remain suspended and may not be reinstated until after one regular semester.

Should a reinstated student be suspended a second time, s/he cannot return to the University until such time as s/he has demonstrated, by attending another institution, the ability to succeed academically by raising her/his GPA to retention standards.

Copies of appeals procedures and the conditions and procedures for readmission may be obtained from the Office of Admissions.

Substitution and Waiver of Courses

Petitions to substitute or waive courses designated as necessary to fulfill general education requirements must be approved by the Vice President for Academic Affairs or designee. The dean of the school offering the major or minor is ultimately responsible for approving course substitutions and waivers for major or minor program requirements. This responsibility may be assigned to department chairs or faculty members under the supervision of the dean. Approved substitutions or waivers of major or minor requirements must be documented (by signature and date) on the Undergraduate Course Substitution/Waiver Request form. Permission for any other exception to stated requirements must be initiated through the dean responsible for the student's major program and approved by the Vice President for Academic Affairs.

Advanced Standing Credit

Extrainsitutional learning is defined as learning attained outside the sponsorship of accredited policies and procedures designed to assure that reliable and valid measures of learning outcomes are or have been applied. A maximum of 64 semester hours of credit earned by advanced standing may be applied toward the requirements for a baccalaureate degree, and a maximum of 45 semester hours of credit earned by advanced standing may be applied toward the requirements for an associate degree. Advanced Standing Credit may only be awarded in those academic disciplines taught at Cameron University, and must be validated by successful completion of 12 or more semester hours of academic work at Cameron before being placed on the student's transcript. Active duty military personnel are exempt from the 12 hour validation requirements, and may have advanced credits placed on the transcript upon completion of one enrollment. The neutral grade of satisfactory (S) will be utilized to award Advanced Standing Credit. Credit received at an institution in the Oklahoma State Higher Education System is transferable on the same basis as if the credit had been earned through regular study at the awarding institution. Information about the policy, procedures, costs and various methods for receiving Advanced Standing Credit may be obtained from the University Testing Center.

Honor Courses

Academically talented students and those with superior preparation and strong motivation can find challenging and rewarding honors experiences in honors courses at Cameron University. Such courses are taught in a number of departments. The Honors Program also circulates full listings of honors offerings prior to the enrollment period for each semester. Honors courses are discussion-oriented and are augmented by features such as field trips, guest lectures, and technological enhancements. Core honors program courses are team taught and offer an interdisciplinary approach to the subject matter. The aim of these courses is to carry well-prepared, motivated students deeper into the material of the course. All honors courses are designated as such on the transcript.

Academic Advisors

Cameron students pursuing an associate or baccalaureate degree will be assigned an academic advisor for assistance in course selection, exploration of college majors and careers, and planning of programs of study to achieve educational goals.

Academic Forgiveness Policy

The policy provides a means for classifying courses as either "reprimed", "renewed", or "forgiven" and for excluding them from retention/graduation grade point average calculation. A copy of the policy may be obtained from the Registrar's Office.

Forgiven Course. A course in which a student made a "D" or "F" and subsequently repeated, which has a grade of "C" or better.

Reprimed Course. A course taken during a semester for which academic reprieve has been granted under the provisions of the Forgiveness Policy.

Renewed Course. A course taken during a semester for which academic renewal has been granted under the provisions of the Forgiveness Policy.

Remedial/Developmental Course

A course to prepare students for college level work. The course cannot be used to meet degree requirements. All developmental coursework must be completed within the first twenty-four collegiate hours attempted. Two or more unsuccessful attempts in certain developmental courses will require concurrent enrollment and successful completion of a one-hour mandatory tutoring course in addition to enrollment in the developmental course. Successful course completion requires a grade of "C" or better.

Academic Transcript

A full and accurate accounting of the facts of a student's academic life. All courses, including those classified as remedial/developmental, reprimed, and forgiven, are recorded on the academic transcript.

Appeal of Final Grade

The only basis for a formal appeal of a final grade is whether the student's final grade was assigned fairly within the grading system adopted by the faculty member. The Grade Appeal Policy is published in the
STUDENT PROGRAMS AND SERVICES

A variety of University programs and services provide assistance to students. These programs and services are described in the following sections.

Admissions Counselors

Admissions Counselors maintain contact with area schools and residents to inform them of the educational opportunities that exist at Cameron University. The office is responsible for the University's recruiting program. Campus tours may be arranged through this office. This office provides scholarship applications and related information. The priority deadline for applications is February 1.

Orientation

All students entering Cameron with fewer than 15 earned semester credit hours and who are seeking a degree at Cameron University are required to attend an orientation session. The orientation introduces the student to the campus and provides information about resources, services, and activities. Contact the Office of Admissions (581-2230) to register for an orientation or to request additional information.

Academic Advising Center

The Academic Advising Center is a central location for academic information and resources for students. In addition to providing advising services to all new Cameron students, we help students find the right major that meets their academic goals and interests. Students have access to Advising Specialists and Faculty Advisors who will provide timely and accurate academic advising for students' academic success. The Academic Advisement Center is located on the first floor of North Shepler and can be reached by calling 581-6741.

Office of Financial Assistance

The Office of Financial Assistance provides financial counseling, administers scholarships, grants, loans and student employment. Interested students should reference the Financial Information section of this catalog. Students can also contact the Financial Assistance Office (581-2293; financialaid@cameron.edu) for further information on application procedures or access Cameron's website at http://www.cameron.edu/financial_aid.

On-Campus Housing

Living on campus provides the opportunity for involvement within a living-learning community of like-minded students. Cameron University provides two great options for on-campus living: Cameron Village and Shepler Center. Cameron Village combines all the amenities of an apartment complex with the convenience of on-campus living. Shepler Center, comprised of two ten-story high-rises, provides Cameron students with a more traditional living-learning environment. Students can contact Student Housing (581-2392; housing@cameron.edu) for further information about living on campus.

Diversity Affairs

The Student Development Office works to establish and implement campus programs which heighten awareness and support the diversity of students on the Cameron campus. The office also works closely with cultural student organizations that encourage students to celebrate their culture or heritage. For additional information, please call 581-2209 or e-mail student_development@cameron.edu.
Disability Services

Cameron University recognizes that all students deserve an equal opportunity to participate in university life and attain a higher education. The Student Development Office coordinates accommodations for students with disabilities and develops programs to support disability awareness. If an accommodation on the basis of a disability is required, please contact the office prior to the start of the semester or as soon as possible to complete the required documentation for accommodations. Please contact the office immediately if you have any concerns or problems with an accommodation. For more information, please call 581-2209 or e-mail student_development@cameron.edu.

Testing Center

The Testing Center is responsible for coordinating, administering, and scoring a wide range of national, international, and local tests for the CU community and the general public. Tests offered include: National and Residual ACT (American College Test), CLEP (College-Level Examination Program), DSST (Defense Activity for Non-Traditional Education Support), EPE (Graduate English Proficiency Exam), GRE (Graduate Record Exam) Subject Test, LSAT (Law School Admissions Test), MAT (Miller Analogies Test), PRAXIS (Professional Assessment for Beginning Teachers), SAT (Scholastic Aptitude Test), and the Institutional TOEFL (Test of English as a Foreign Language).

Additionally, the Testing Center administers computerized placement tests (CPT) for English, reading, and math for admission to Cameron, provides opportunities for gaining credit for certain college courses, and furnishes proctors for both computer-based and paper-based tests for Cameron and other universities. The Testing Center is equipped to handle all testing needs by providing careful and precise test administrations, adhering to high test security standards, and providing a low-distraction, comfortable environment. For more information, contact the Testing Center at 581-2502 or testingcenter@cameron.edu.

Career Services

The Career Services office assists students in achieving their career goals. Career planning is provided to students in a variety of formats to include online job postings, an online self-assessment and career inventory, and programs to assist in developing a resume, cover letter and interviewing skills. For more information, contact Career Services, located in Cynthia S. Ross Hall, Suite 225, at 581-6769 or hirecameronaggies@cameron.edu.

Trio Programs

Cameron University hosts three TRIO programs that are funded under the Higher Education Act. Known as TRIO Programs, they provide a comprehensive array of information, counseling, academic instruction and support services to at risk students in junior high, high school, and college.

Student Support Services

A part of the Cameron campus since 1987, Student Support Services (SSS) offers academic advisement, enrollment, peer mentoring, free tutoring, financial aid information, SSS section classes, and a variety of enrichment workshops and cultural activities to Cameron participants. Participation in SSS provides personal and academic enrichment for students who may face economic, social, and cultural barriers to higher education. SSS maintains information on campus and community resources and refers members to appropriate offices and agencies.

Applicants to the program must be a U.S. citizen or permanent resident AND meet at least one of the following criteria:

1. Be a first generation member of their family to pursue and receive a four-year degree.
2. Meet federal guidelines for having an economic need.
3. Have a documented learning or physical disability.

For more information, contact the Student Support Services Office in room 431 North Shepler, 581-2352.
The Business Computer Laboratory. The Business Laboratory is located on the first floor of the School of Business, Room 100. An additional Accounting Laboratory is located on the second floor, Room 224. The laboratory is staffed by a graduate assistants with specialized expertise in various areas of business, including accounting, economics, finance, statistics, and marketing. The lab is open to all students with questions in business disciplines. The lab is equipped with personal computers, specialized software, calculators, and programmed learning materials. The emphasis is on individual assistance, but special review sessions and other group activities may be scheduled. Participation is voluntary and the laboratory is available 40 or more hours per week at times to accommodate both day and evening students.

The Sarkeys Foundation Student Computing Center. The Sarkeys Foundation Student Computing Center (SFSCC), located in Academic Commons, is an open lab intended to serve the computing needs of students and faculty. Resources are available on a first-come, first-served basis at the convenience of users. All users must be able to justify their use of the lab. The Center also proctors on-line tests.

Library
http://www.cameron.edu/library

Cameron University Library promotes scholarly inquiry and work by providing materials and services associated with the access and use of information. Access to print and electronic materials is available in the physical library and through the library’s webpage. The library houses comfortable work areas, a fully-equipped computer lab, and a group of friendly staff members trained to assist Cameron University patrons with their library needs.

Research

With the aim to support the teaching mission at Cameron University, research and scholarship at Cameron University are undertaken by faculty and students using a broad range of approaches. The quest for new knowledge, synthesis of existing information, and application of knowledge are shared experiences within the University community. In keeping with the institutional purpose of providing education through community service, research at Cameron is typically applied in nature. Students are afforded the opportunity to work on real world problems of relevance to the broader community of which the University is a constituent, under the mentorship of caring and highly qualified faculty.

As a part of the research support system, Cameron has established the Cameron Scholarly Research Project Grant Program to encourage faculty, staff, and students in completing scholarly projects in the areas of discovery, integration, application, and teaching. In addition, the Academic Research Support Center provides resources and opportunities for faculty, staff, and students in conducting basic and applied research in support of their academic pursuits and to enhance the reputation of Cameron University. Particularly, the center strives to support all aspects of the proposal development process and to serve as a liaison between external funding agencies as well as internal departments including Payroll, the Vice President for Academic Affairs and the Office of the President. The major services provided include the identification of grant opportunities to support grant activities at Cameron University, assist faculty and staff in the development and submission of internal and external grant applications, track Institutional Review Board and Human Subjects Training submissions, and support undergraduate students in their pursuit of practical research experiences.

Honor Societies

Cameron University currently has 20 nationally and internationally recognized honor and professional societies which elect members based on scholastic achievement. The two University-wide honor societies are:

- Phi Kappa Phi, recognizing outstanding juniors, seniors, and graduate students from all disciplines, and
- Phi Eta Sigma, a national college scholastic honor society for freshmen.

For information on Cameron honor societies acknowledging outstanding achievement in specific disciplines, please contact the Honors Program, 581-6737.

Student Activities

Cameron University recognizes the importance of co-curricular activities and the role they play in the college experience. The Office of Student Activities strives to provide a variety of activities and engage students in campus life.

Cameron recognizes more than 80 student organizations with varying interests. The focus of the groups range from academic to social and from religious to political. If a student is interested in joining or starting a group, contact the Student Activities Office for assistance.

Student Activity Facilities

The Office of Student Activities, located in the McMahon Centennial Complex on University Drive, is the seat of all campus activities and houses the offices of the Programming Activities Council and the Student Government Association.

The McMahon Centennial Complex is Cameron’s state-of-the-art student activities complex, featuring a game area, food court, McCasland Ballroom, Cameron University Bookstore, meeting rooms, the Inasmuch Foundation Art Gallery, and more.

The McMahon Center, located at Cameron Village, includes a great room with a pool table, television, piano and fireplace, as well as a library, classroom and 24 hour resident computer lab. The McMahon Center also houses the Office of Residence Life and a faculty-in-residence.

Cameron Stadium is a bowl type modern football field, with artificial turf and a seating capacity of approximately 10,000. The stadium is complete with concession facilities, press box, dressing rooms and ample parking.

McCord Field is a baseball park complete with concession facilities, press box and ample parking. It has a seating capacity of approximately 1,000.

McMahon Field and Athletics Center is a sports complex complete with dressing and locker rooms for the team and umpires, a press box, a concession facility, an equipment storage room, covered bleachers, landscaped patio spaces with sun shades for additional viewing areas, an indoor practice facility with batting cages for both baseball and softball, indoor hitting for golf and a new weight room for all Cameron athletes.

The Aggie Gym has a seating capacity of approximately 1,600. The building is complete with dressing facilities and four all-purpose classrooms.

The tennis courts are among the finest tennis facilities in the area, with eight pro surface courts and tennis dressing areas.

The Aggie Rec Center is a 40,000 sq. ft. facility which has a gym for basketball, volleyball and other team activities, four racquetball courts, strength and cardio equipment, aerobic activities, running track, and a 25 yard outdoor swimming pool. All areas are handicap accessible.

Accommodations on the basis of disability at any campus facility are available by contacting the Office of Student Development at 580-581-2209, North Shepler Room 314, or by e-mail at student.development@cameron.edu.

Programming Activities Council

The mission of the Programming Activities Council (PAC) is to improve the quality of activities and gain student input into the planning of programs, entertainment and activities. PAC provides activities such as comedians, hypnotists, concerts, and trips for the University. Major events for the entire campus are coordinated and implemented by the Council. For a complete list of activities sponsored by PAC, go to http://www.cameron.edu/activities or call 581-2217 for more information.

Student Government

The Student Government Association (SGA) is the governing body representing all Cameron University students. This organization, comprised of Senators from the academic departments and representatives from the student organizations, is presided over by a student-elected president. The purpose
of the Student Government Association is to promote the interests and welfare of the student body. SGA officers can be reached by calling 580-581-2444.

**Student and Departmental Organizations**

By participating in departmental clubs, honor societies, and special interest organizations, students develop life skills by utilizing them at the University, and in the community, enriching their college experience. Information about membership in student organizations is available in the Office of Student Activities, 581-2217.

**Cultural Programs**

A wide range of cultural events are presented each year by the various departments and special committees on campus.

The Lecture and Concerts Committee sponsors both popular and classical musical concerts while also bringing to campus a number of eminent speakers on many subjects, from politics to science.

The School of Liberal Arts offers a variety of arts activities and opportunities, which are open to all Cameron students regardless of major. The Art Department sponsors frequent student gallery shows as well as workshops and exhibits by well-known visiting professionals. Cameron’s award-winning Speech and Debate Team competes at the national level. Student musicians can choose from a wide array of instrumental ensembles and choruses. The Departments of Music and Theatre Arts also offer multiple annual musical and theatrical productions. Plays are offered yearly in Cameron’s two theatres.

The Office of Student Activities brings prominent artists, programs, and seminars to the campus to provide a wide range of social and cultural events to Cameron University students, faculty, and staff.

**Intercollegiate Athletics**

The Athletics Department is supervised by the Director of Athletics. The Intercollegiate Athletic Committee, a secondary committee of the Institutional Services Committee, serves in an advisory capacity to the Athletic Director.

Cameron University competes at the National Collegiate Athletic Association (NCAA), Division II level. Its teams are consistently ranked among the best and compete successfully against top teams in the nation.

The present program includes men’s basketball, baseball, cross country, golf and tennis, and women’s basketball, golf, softball, tennis and volleyball. Cheerleading and Sports Medicine are also included within the Athletic Department. Scholarships are available in each of these sports/areas. Information can be obtained by writing to the Athletic Director, who will forward inquiries to the appropriate head coach.

**Intramurals**

The Intramural Sports program offers students, faculty and staff the opportunity to participate in many sports and activities on a competitive and recreational level. All skill levels are welcome and there is no fee to participate. Sports include flag football, basketball, bowling, golf, soccer and many more. For more information, contact Student Activities at 581-2217.

**Religious Organizations**

Cameron University is a state-supported, non-sectarian institution, but it recognizes the importance of spiritual life and cooperates with many off-campus groups that fulfill the religious needs of the community. Several recognized student organizations are affiliated with denominational student centers. Each of these centers conducts student programs under the direction of professionally trained staff.

**Who’s Who Among Students in American Universities and Colleges**

Special University recognition is given each year to juniors and seniors chosen for this prestigious honor. Totalling approximately one percent of the student body, recipients are selected on the criteria of outstanding scholarship, leadership, citizenship and potential by a committee representing students, faculty, and staff.

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**Student Publications**

**The University Newspaper**

Founded in 1926, *The Collegian* is the official student newspaper of Cameron University. *The Collegian* is written, designed, edited, and produced by student editors for the students, faculty, staff, and administration of the university. *The Collegian* serves both as a voice for the students of the university, and as a training ground for student journalists to hone the skills they develop in their courses. *The Collegian* offices house all of the equipment and materials utilized during the production of the paper. Once the final product is ready to print, pages are sent digitally to an off-campus press. Students deliver papers across the campus and local communities on Mondays. *The Collegian*, programming from CUTV, and several wikis and blogs are presented through AggieCentral (http://www.aggiecentral.com). Cameron’s convergent journalism website. *The Collegian* is a member of the Oklahoma Collegiate Press Association, Columbia Scholastic Press Association, the Society of Professional Journalists and the Oklahoma Interscholastic Press Association.

**The Oklahoma Review**

*The Oklahoma Review* is an international online literary magazine edited by Cameron University students under the guidance of faculty from the English program. The magazine publishes fiction, poetry, creative nonfiction, interviews, and book reviews by writers from all over the world who work in English.

**KCCU Radio**

KCCU Radio is the public radio voice of Cameron University, featuring programming from NPR and other public radio sources. KCCU is a nationally recognized, award-winning public radio station that serves numerous communities from its studios on the Cameron campus. KCCU is also a leader in the broadcast industry in innovative uses of radio technology, including HD Radio. The following communities are served on these frequencies: KCCU Lawton broadcasts two channels of HD programming on 89.3 FM, and one channel of programming on 102.9 FM; KLCU Ardmore broadcasts two channels of HD programming on 90.3 FM; KMCU-Woodward broadcasts on 95.9 FM; KCCU-Wichita Falls broadcasts two channels of HD programming on 88.7 FM; KZCU Chickasha broadcasts on 100.1 FM. KCCU also streams two channels of programming on its website, http://www.KCCU.org. These stations, along with the website streaming, provide public radio service to a large section of Western, Southwestern, and South-central Oklahoma, and parts of North Texas. The station features NPR news; Texas/Oklahoma news; classical music; jazz; and other specialty programming. KCCU is operated by a professional staff with the assistance of Cameron University students enrolled in communication courses and other majors. KCCU hires part-time student production assistants and news reporters to give them professional experience in the broadcast industry, and utilizes student interns each semester who enroll in communication courses. KCCU is also an outreach for Cameron University, building upon the university’s community service efforts. KCCU is a non-commercial public radio network that relies upon financial support from individual members, local businesses and area foundations.

**CUTV**

CUTV is a closed circuit television channel broadcasting to monitors located across campus on Channel 11. CUTV channel features a bulletin board of daily activities and events of interest to students, faculty and staff members. The Communication Department produces a weekly news program featuring campus events. Communication students also produce a weekly student government report, a news brief and a feature program focusing on major campus events and campus leaders.

**Student Handbook**

The Student Handbook is an official publication of the University which explains University policies and procedures and provides University information for all aspects of University life. Students are responsible for knowing its contents. Copies are available in the Office of Student Services and online at http://www.cameron.edu/studentservices/handbook.
Student Conduct

Rules and regulations for the conduct of students attending Cameron University are listed in the Student Handbook. A primary purpose of these regulations is to help maintain a safe learning environment for members of the academic community. Student violations of these rules and regulations are reviewed by administrative officers having disciplinary responsibilities. The decisions made by these officers are subject to an appeal, either administratively or by proper referral to an appropriate judicial committee. When a student is suspended or dismissed for disciplinary reasons, the grades recorded for the student for that semester shall be determined in the same way as if the student had withdrawn voluntarily and any refund of fees shall be determined by the regular refund policy.

Access to Student Records

Student records are filed in a variety of offices. The administrative officers are responsible for the records under their control and for the appropriate release of information contained in these records. Cameron University forwards educational records on request to other educational institutions in which a student seeks or intends to enroll without providing any further notice to the individual regarding the transfer of records.

Release of Student Information. Student records are confidential in the sense that the information contained in these records is given voluntarily by the student for the private use of the institution for educational purposes only. The information contained in student records is of two different types: Directory Information and Personally Identifiable Information.

Directory Information. This information may be freely released by University officials without the consent of the student. Upon written request by the student, this information will be treated as confidential and released only with the student’s written consent. Forms for withholding student “directory information” are available in the Office of the Registrar. This information consists of:

- Full name
- Dates of attendance
- Major
- Participation in officially recognized organizations, activities
- telephone number
- Academic classification
- Mailing address
- Date of graduation
- Full-chargeable
- Dates of attendance
- Degrees and awards received
- Enrollment status
- Academic classification
- Previous institution most recently attended

Other similar information as permitted in the Family Education Rights and Privacy Act (FERPA) (Pub. L. 93-568, Sec. 99.3).

Personally Identifiable Information. All other information contained in student records and not listed as directory information falls into the second, or restricted category. This type of restricted information is found mainly in

1. the academic record maintained by the Office of the Registrar and controlled by the Registrar;
2. the student conduct record kept in the Office of Student Development; and
3. the records of the various other University offices of Financial Assistance, Student Development, Public Safety and Student Housing, supervised by their respective directors.

To protect the rights of the student or graduate, it shall be the policy of the University to release this restricted information to other persons or agencies, only as provided by FERPA. However, a student may choose to release information to a third party by completing a FERPA waiver. Forms and information are available in the Office of Student Services, North Shepler 324, 581-2244.

Emergency situations may develop which could necessitate release of restricted information without the approval of the student or proper legal action. In these emergency situations, where the immediate welfare of the student or the University may be in jeopardy, the administrative official in charge of the office maintaining the requested information will make the decision regarding release of the information. In cases where the responsible administrator is not available to make the decision, or, if s/he decides not to release the information, an appeal to secure the information may be made to the University President.

Cashiers and “One Stop”

Cashiers for Cameron University are located on the first floor of the Administration Building and at “One-Stop” located in the McMahon Centennial Complex. The cashiers in the Administration Building are responsible for releasing to students all financial assistance checks, such as loans, grants, scholarships and work study, as well as accepting payments for charges incurred at the University.

“One-Stop” provides a convenient, second location for students, faculty and staff to make payments for charges incurred at the University. Parking permits and Cameron University ID cards are available at “One Stop.”

Both areas accept credit card payments using MasterCard, Visa and Discover.

McMahon Centennial Complex

The facilities of McMahon Centennial Complex are open to Cameron University students, faculty, staff and guests.

Campus Dining

Food service is provided at two locations, the McMahon Centennial Complex which features a food court and the Shepler Cafeteria. The McMahon Centennial Complex offers such items as Pizza Hut, deli subs and sandwiches, hot grill items and “grab and go” pre-packaged salads, cakes and drinks. Items may be purchased using either cash, credit, or your AggieOne card. The Shepler Cafeteria, located between the two Shepler towers, provides meals for resident students. This cafeteria operates on an “all you can eat” basis. Commuter meal plans are also available.

Bookstore/Post Office

The Cameron University Bookstore is conveniently located in the McMahon Centennial Complex. Here students will find their required course materials as well as a selection of recommended study aids.

In addition to textbooks, the Bookstore carries a wide selection of imprinted clothing and gift ware which students can purchase to show their school spirit. The Cameron Bookstore also carries basic school supplies, educationally priced software, study aids such as Cliff Notes and Schaum’s Outlines, electronic equipment and top 40 CD’s.

The Bookstore also stocks a selection of trade books with emphasis on nursing, computers, ethnically diverse interests and local/faculty authors. Students will find a selection of candy/snacks and cold drinks for purchase at the Bookstore as well.

Graduation regalia, class rings, diploma frames and announcements are also available through the Cameron Bookstore.

If you do not see what you are looking for, just ask a store associate and the Bookstore can place a special order for you at no additional charge.

Students can shop the Cameron Bookstore on-line as well, in one of three ways: http://www.cameron.bkstr.com, through a link on the university website or go to http://efollett.com choose the state and then click on Cameron.

The Cameron University Post Office is located in the McMahon Centennial Complex inside the Bookstore. Patrons can purchase postage here as well as and money orders and post outgoing mail and packages.

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Student Wellness Center

Cameron's Student Wellness Center, located on the first floor of North Shepler, offers medical care to students for acute conditions, mental health counseling, monthly education programs, and interactive workshops. The Student Wellness Center is open from 8 a.m. – 5 p.m. Monday through Friday. Medical services are provided on a walk-in basis. Counseling services are provided by appointment only.

All students who are actively enrolled on the main campus are eligible for medical services.
All students who are enrolled at least ½ time on the Lawton or Duncan campuses are eligible for counseling services.

Health Insurance

The University recommends that all students acquire some form of health insurance to meet unexpected medical needs. The university is pleased to offer a health insurance option to Cameron University students who do not have health insurance through other means. Through Academic Health Plans, students who are taking six or more credit hours may enroll in a student health insurance plan. Details about coverage and cost are also listed on the Academic Health Plans website (http://www.ahpcare.com/cameron), or contact Academic Health Plans directly at (888) 308-7320. Students may also opt to enroll their spouse and children in the plan.

Please note that all international students attending Cameron are required to enroll in the Student Health Insurance Plan through Academic Health Plans. For information about this requirement or to request a waiver, please contact the International Admissions Office at 581-2838.

For additional information about this insurance, contact Student Services at 581-2244.

Cameron University Alumni Association

The purpose of the Alumni Association is to cooperate with and assist in the promotion of the goals and purposes of Cameron University, and to encourage a continuing and increasing interest in the University among graduates, former students and friends through information, education and service.

Projects include reunions, alumni and faculty awards. A benefit golf tournament and a membership drive support scholarships and various other campus activities.

Membership is open to anyone interested in supporting the Association.

Further information may be obtained by contacting the Cameron University Alumni Association, Office of Alumni Relations, 2800 West Gore Boulevard, Lawton, Oklahoma 73505; by telephone at 580-581-2988; or on the web at http://www.cameron.edu/alumni.

GENERAL EDUCATION REQUIREMENTS

BACCALAUREATE AND ASSOCIATE IN SCIENCE DEGREES (44-46 Hours)

Note: Some major programs specify the course to be selected within categories. Please refer to the major to determine if specific courses are required.

Communication ................................. 9 hours
ENGL 1113 or ENGL 1123*
ENGL 1213 or ENGL 1223*
COMM 1113
*These courses are restricted to Honors students.

Mathematics ..................................... 3-5 hours
MATH 1413, MATH 1513, MATH 1613, MATH 1715, MATH 2215, or MATH 2713

Science* ........................................... 8-9 hours
One course must be taken from each of the following two categories:
Biological Science (4 hours):
ASTR 1104, CHEM 1004, CHEM 1364/1361*, ESCI 1135*, GEOL 1014*, PHYS 1004, PHYS 1115*, or PSCI 1055

Physical Science (4-5 hours):
BIOL 1004*, BIOL 1114*, BIOL 1214*, BIOL 1364*, or ENSC 2004

Astronomy (3 hours):
ASTR 1104, CHEM 1004, CHEM 1364/1361*, ESCI 1135*, GEOL 1014*, PHYS 1004, PHYS 1115*, or PSCI 1055

American History ................................3 hours
HIST 1483 or HIST 1493

Political Science ................................3 hours
PS 11134

Humanities ...................................... 6 hours
One course must be taken from each of the following two categories with no more than one course taken from the discipline in which the student is majoring:
Diversity (3 hours):
ARBC 1113, ARBC 1223, CHNS 1113, CHNS 1223, ENGL 2313*, ENGL 2323*, ENGL 2343*, FNAR 1013*, FREN 1113, FREN 1223, GERM 1113, GERM 1223, HIST 1113, HIST 1123, HIST 2113, HIST 2223, HIST 2323, HIST 2423, ITAL 1113, ITAL 1123, LATN 1113, LATN 1223, MUSC 1013*, MUSC 1033*, PHIL 1113, RUSN 1113, RUSN 1223, SPAN 1113, SPAN 1223

Aesthetics (3 hours):
ART 1013, ART 2613, ART 2623, ENGL 2013, ENGL 2053, ENGL 2313*, ENGL 2323*, ENGL 2343*, FNAR 1013*, MUSC 1013, MUSC 1023, MUSC 1033*, MUSC 1413, or THTR 1103

One course must be taken from each of the following two categories with no more than one course taken from the discipline in which the student is majoring:
Diversity (3 hours):
AGRC 1334, CRM 3603, ECON 2013, or GEOG 3023
Health and Wellness* ...................... 4 hours
HLTH 1012, HLTH 1053, HLTH 1063, any course with the following form: PE 1--1, PE 2--1, PE 2--2

*Requirement waived for students who are awarded credit based on one year of active full-time military service, completion of basic training, or successful completion of the ROTC program.

General Education Non-PE Electives (to total at least 44 hours, if needed)*
One course must be taken from each of the following two categories with no more than one course taken from the discipline in which the student is majoring:
Diversity (3 hours):
AGRC 1334, CRM 3603, ECON 2013, or GEOG 3023
Health and Wellness* ...................... 4 hours
HLTH 1012, HLTH 1053, HLTH 1063, any course with the following form: PE 1--1, PE 2--1, PE 2--2

*Requirement waived for students who are awarded credit based on one year of active full-time military service, completion of basic training, or successful completion of the ROTC program.

Associate in Applied Science Degree (18 Hours)

Eighteen (18) hours of General Education are required of each person who receives an Associate in Applied Science Degree from Cameron University.
GENERAL EDUCATION

PURPOSE AND OUTCOMES – BACCALAUREATE AND ASSOCIATE IN SCIENCE PROGRAMS

The General Education program at Cameron University is a selection of courses designed to provide students with the common knowledge, intellectual concepts, breadth of skills and attitudes that every college graduate with a baccalaureate or Associate in Science degree should possess. By the time students complete the general education program for baccalaureate and AS programs, they should be able to:

- Access information from reliable sources and use it effectively and responsibly;
- Effectively communicate in written and oral forms;
- Demonstrate an understanding of ethical conduct in a defined context;
- Develop knowledge of similarities and differences among cultures;
- Make informed and reasoned responses to questions of aesthetics;
- Apply knowledge and logic to solve problems;
- Demonstrate knowledge and skills needed to maintain a healthy lifestyle.

General education courses help students develop the skills essential for Information Literacy, Communication, Critical Thinking, Ethics, Diversity, Aesthetics, Problem Solving, and Wellness.

In accordance with its mission, Cameron University’s baccalaureate and AS programs are designed to prepare students for professional success, responsible citizenship, life-long learning, and meaningful contributions to a rapidly changing world. A university degree should go beyond preparing graduates for a profession; it should transform their lives and their communities.

GENERAL EDUCATION

OUTCOMES – ASSOCIATE IN APPLIED SCIENCE PROGRAMS

By the time students complete the general education program for Associate in Applied Science programs, they should be able to:

- Access information from reliable sources and use it effectively and responsibly;
- Effectively communicate in written and oral forms;
- Apply critical thinking skills to make informed decisions and evaluations;
- Demonstrate an understanding of ethical conduct in a defined context;

General education courses for AAS programs help students develop the skills essential for Information Literacy, Communication, Critical Thinking, and Ethics.

UNIVERSITY REQUIREMENTS

UNIVERSITY SUCCESS

To better acquaint students with the educational and social environment of Cameron University, the General Education program at Cameron University is a selection of courses designed to provide students with the common knowledge, intellectual concepts, breadth of skills and attitudes that every college graduate should possess. All entering freshman students, including transfer students with fewer than 24 earned collegiate hours, without performance or curricular deficiencies will be required to enroll in UNIV 1001, Introduction to University Life. All entering freshman students, including transfer students with fewer than 24 earned collegiate hours, with performance or curricular deficiencies will be required to take UNIV 1113, Study Strategies for College Success.

Other university success courses, such as UNIV 2001, Strategies for Academic Success, acquaint students with the academic requirements of Cameron University and provide the skills necessary for success in college-level coursework. Although the course is open to all students, it is required for students placed on academic notice or probation who have fewer than 45 earned college-level credit hours. Current term and future term enrollment as well as removal of academic notice or probation status is conditional upon satisfactory academic progress in the course.

COMPUTER LITERACY

All undergraduate degree programs require students to achieve a minimum level of computer literacy. The means by which students acquire or demonstrate such literacy varies among programs, but acceptable means include (1) successfully completing a high school computer science course that meets State Regents' high school curricular requirements, or (2) satisfactorily completing a computer literacy assessment; or (3) successfully completing courses designated as program requirements. Courses such as CIS 1013 Introduction to Computer Information Systems, and MIS 2113 Microcomputer Applications typically satisfy computer literacy requirements, however some programs require specific courses to fulfill the computer literacy requirement. Please see the program requirements for each major for details.

CAPSTONE EXPERIENCE

The undergraduate capstone experience is designed to bring reflection and focus to the whole of the university experience. It should encourage students to integrate and synthesize aspects of their chosen field of study with important concepts from related disciplines and provide resources for careers, professional programs, and graduate school.

Each department or program has designed the capstone experience for its majors to assist them in developing a broader understanding of the significance of the major within the framework of their overall undergraduate experience. This culminating experience should focus on some feature of the student's chosen field of study and should require the disciplined use of skills, methodology, and knowledge taught throughout the undergraduate curriculum.

Examples of possible capstone experiences include (but are not limited to) the following:

- A comprehensive examination.
- A senior seminar that requires a major project.
- An undergraduate thesis.
- A semester project that culminates in a paper, essay, presentation or similar product.
- An internship to investigate a problem in the workplace, and a paper that asks students to analyze and evaluate the experience.
- A performance, show or recital appropriate to the discipline, together with relevant supporting assignments.

Using one or more of the above components also allows departments to assess the effectiveness of their major programs and evaluate the learning of each student. All baccalaureate degree students must complete at least one credit hour in a capstone experience in his or her declared major. Please see the program requirements for each major for details.
TEACHING AND LEARNING

Margery Kingsley – Assistant Vice President for Academic Affairs

ACADEMIC ADVISING CENTER
J.R. Larsen – Director

CENTER FOR WRITERS
Carolyn Kinslow – Director
Ellis Hooley – Assistant Director

READING CENTER
Cova Newman – Director/Instructor

MATHEMATICS TUTORIAL LAB
Open – Director

The Office of Teaching and Learning fosters student success in and beyond the first year of college by providing quality academic advising and discipline-specific tutoring, targeted university success coursework, and other academic support resources to assist both students and faculty.

UNIVERSITY COURSES (UNIV)

1001 INTRODUCTION TO UNIVERSITY LIFE, 1 hour credit
A course designed to acquaint the student with the educational and social environment of Cameron University and to provide the skills necessary for transition to university life. Recognition and development of interests and aptitudes; clarification of academic/career goals; development of a student’s academic plan are covered. Resources, decision making, and time management are also stressed. Lecture 1 hour.

1113 STUDY STRATEGIES FOR COLLEGE SUCCESS, 3 hours credit
This course is designed to prepare students for success in college with emphasis on study strategies as applied in various content areas, academic reading/thinking strategies, and an evaluation of individual strengths and weaknesses as a student. Lecture 3 hours.

2001 STRATEGIES FOR ACADEMIC SUCCESS, 1 hour credit
A course designed to acquaint the student with the academic requirements of Cameron University and to provide the skills necessary for success in college-level coursework. Exploration and identification of personal and academic strengths; study and time management skills; note taking and test preparation; development of an academic success plan is covered. Required for students placed on academic notice or probation who have fewer than 45 earned college-level credit hours. Current term and future term enrollment as well as removal of academic notice or probation status is conditional upon satisfactory academic progress in the course. Lecture 1 hour.
SCHOOL OF BUSINESS

John P. Camey – Dean

Mark Washburn – Assistant to the Dean

Kelly “Suzy” Jouben – Graduate Coordinator

The mission of the Cameron University School of Business is to provide quality education designed to produce skilled business leaders, to promote ethical practices, and to foster economic development in a dynamic global environment. The mission is based upon a dedication to continuous improvement, scholarly activity, and service.

The School of Business offers programs leading to an Associate in Science in Business degree, a Bachelor of Accounting degree, and a Bachelor of Business Administration degree with a specialization in one of the following: Management, Marketing, Finance, Economics, or General Business Administration. Academic advise and enrollment are provided by the Undergraduate Business Counselor in the school. The School also offers a Master of Business Administration and a Master of Science in Organizational Leadership. Refer to Graduate Catalog [http://www.cameron.edu/graduate/catalog] for details.

BACHELOR OF ACCOUNTING DEGREE

MAJOR IN ACCOUNTING (305)

I. GENERAL EDUCATION REQUIREMENTS..........................44 hours

The Bachelor of Accounting program requires specific courses for meeting General Education requirements in mathematics, behavioral science, and economics:

a. Mathematics – MATH 1513 or MATH 2713
b. Behavioral Science – PSY 1113 or SOCI 1113
c. Economics – ECON 2013

II. UNIVERSITY REQUIREMENTS ...........................................1-3 hours

UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ....................................................71 hours

A. Core Courses .......................................................... 32 hours

ACCT 2013, ACCT 2023, ECON 2023, BUS 2113, MGMT 3013,
BUS 3213, MKTG 3413, FIN 3603, BUS 4632, BUS 4633, STAT 2613

B. Specialization (Upper Division Accounting) ..............24 hours

ACCT 3013, ACCT 3023, ACCT 3133, ACCT 4013, ACCT 4213,
ACCT 4513 ................................................................. 18 hours

Upper-Division Accounting Electives ............................. 6 hours

C. Additional Requirements ........................................... 15 hours

BUS 1113, FIN 2113, MATH 2713, MIS 2113, MIS 3013

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

ACCOUNTING COURSES (ACCT)

2013* PRINCIPLES OF FINANCIAL ACCOUNTING, 3 hours credit

Basic principles of financial accounting, including how to record transactions, prepare financial statements, analyze selected accounts and use accounting information in decision-making. Lecture 3 hours. Prerequisite: sophomore standing or advisor consent.

2023* PRINCIPLES OF COST/MANAGERIAL ACCOUNTING, 3 hours credit

Basic principles of cost accounting related to manufacturing and other enterprises. Use of management and cost accounting information in decision-making. Lecture 3 hours. Prerequisite: ACCT 2013.
3013 INTERMEDIATE ACCOUNTING I, 3 hours credit
A review of the fundamental processes of accounting with an emphasis on the basic accounting process, procedures and working papers, statements, cash receivables, liabilities, and inventory pricing and planning. Lecture 3 hours. Prerequisite: ACCT 2023.

3023 INTERMEDIATE ACCOUNTING II, 3 hours credit
Continuation of Intermediate 3013, with emphasis on corporation capital stock, retained earnings, dividends, income taxes, and analysis and interpretation of accounting data. Lecture 3 hours. Prerequisite: ACCT 3013.

3133 COST ACCOUNTING, 3 hours credit

3213 MANAGERIAL ACCOUNTING, 3 hours credit

3313 GOVERNMENTAL ACCOUNTING, 3 hours credit
Accounting for governmental and non-profit entities. Analysis of budget systems, the use of funds, internal and external reporting requirements, and governmental accounting terminology. Lecture 3 hours. Prerequisite: ACCT 2023.

4013 INDIVIDUAL INCOME TAX, 3 hours credit
Federal income taxation of individuals; current tax laws and tax return preparation. Lecture 3 hours. Prerequisite: 12 hours of accounting.

4023 CORPORATE INCOME TAX, 3 hours credit
Federal taxation of partnerships and corporations; gift and estate taxes. Lecture 3 hours. Prerequisite: ACCT 4013.

4113 ADVANCED ACCOUNTING, 3 hours credit
Accounting for business combinations, multinational operations, partnerships and insolvent organizations; interim and segmental reporting. Lecture 3 hours. Prerequisite: ACCT 3023.

4213 AUDITING, 3 hours credit
Generally accepted auditing standards as they apply to different types of businesses. Audit techniques, reporting standards, the code of professional conduct and auditor’s responsibility. Lecture 3 hours. Prerequisite: 18 hours of accounting.

4413 C.P.A. PROBLEMS, 3 hours credit
An overview of accounting practice and theory based on current Financial Accounting Standards Board regulations. Lecture 3 hours. Prerequisite: 21 hours of Accounting including ACCT 4113.

4471-3 SEMINAR IN ACCOUNTING, 1-3 hours credit
Seminar presentation and special studies in topics of current interest to the accounting professional. Seminar 1-3 hours. Prerequisite: Permission of the Chair.

4483 ACCOUNTING INTERNSHIP, 3 hours credit
Supervised work experience in an accounting section of a corporate or other business setting. The internship will allow students to encounter practical workplace problems in accounting and gain experience in working in a professional setting. May be repeated for a maximum of 6 hours, but repeat must be with a different business. A minimum of 150 hours of on-the-job training is required to complete the course. Internship 3 hours. Prerequisite: Department permission.

4513 ACCOUNTING INFORMATION SYSTEMS, 3 hours credit
Structure, flow and use of accounting data and its relationship with other systems in a firm; systems design, analysis and security issues. Practical experience with a commercial accounting software package. Lecture 3 hours. Prerequisites: ACCT 2023 and MIS 3013.

BACHELOR OF BUSINESS ADMINISTRATION
MAJOR IN BUSINESS ADMINISTRATION (320)

I. GENERAL EDUCATION REQUIREMENTS.................................................................44 hours
The Bachelor of Business Administration program requires specific courses for meeting General Education requirements in mathematics, behavioral science, and economics:
Mathematics – MATH 1513 or MATH 2713
Behavioral Science – PSY 1113 or SOCI 1113
Economics – ECON 2013

II. UNIVERSITY REQUIREMENTS .............................................................................. 1-3 hours UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ......................................................................................68 hours
A. Core Courses ..........................................................................................................32 hours
ACCT 2013, ACCT 2023, ECON 2023, MGMT 3013, MKTG 3413, MKTG 3423, MKTG 3433, MKTG 4433, MKTG 4443, Upper Division MKTG Electives (3 hours each from ACCT, ECON, BUS, FIN, MGMT, or MKTG prefixes.)

Economics: 15 hours of Upper-Division ECON Electives
Management: MGMT 3513, MGMT 3613, MGMT 4013, and 6 hours of Upper Division MGMT Electives.
Finance: FIN/ECON 3313, FIN 3623, FIN 4333, FIN 4473, and Upper Division Finance Elective (3 hours).
Marketing: MKTG 3423, MKTG 3433, MKTG 4433, MKTG 4443, Upper Division MKTG Elective (3 hours).

B. Specialization ......................................................................................................... 15 hours
Individuals who major in Business Administration must complete one of the following areas of Specialization.

1. General Business Administration: 15 hours of Upper-Division Electives,
   (3 hours each from ACCT, ECON, BUS, FIN, MGMT, or MKTG prefixes.)

2. Economics: 15 hours of Upper-Division ECON Electives

3. Management: MGMT 3513, MGMT 3613, MGMT 4013, and 6 hours of Upper Division MGMT Electives.

4. Finance: FIN/ECON 3313, FIN 3623, FIN 4333, FIN 4473, and Upper Division Finance Elective (3 hours).

5. Marketing: MKTG 3423, MKTG 3433, MKTG 4433, MKTG 4443, Upper Division MKTG Elective (3 hours).

C. Additional Requirements ....................................................................................21 hours
   BUS 1113, FIN 2113, MATH 2713, MIS 2113, MIS 3013, Upper Division BUS Electives (ACCT, BUS, ECON, FIN, MGMT, or MKTG prefixes) (6 hours)

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

ASSOCIATE IN SCIENCE
MAJOR IN BUSINESS (505)

I. GENERAL EDUCATION REQUIREMENTS.................................................................44 hours
The Associate of Science in Business program requires specific courses for meeting General Education requirements in mathematics, behavioral science, and economics:
Mathematics – MATH 1513
Behavioral Science – PSY 1113 or SOCI 1113
Economics – ECON 2013

II. UNIVERSITY REQUIREMENTS .............................................................................. 1-3 hours UNIV 1001 or 1113

*Liberal arts and sciences course.
III. MAJOR REQUIREMENTS .................................................................................................................. 24 hours

A. Required Courses .......................................................................................................................... 21 hours
BUS 1113, ACCT 2013, ACCT 2023, ECON 2023, FIN 2113, BUS 2113

B. Additional Requirements ............................................................................................................. 3 hours
MIS 2113

IV. ELECTIVES TO COMPLETE 69 HOURS REQUIRED FOR GRADUATION.

BUSINESS COURSES (BUS)

1113* INTRODUCTION TO BUSINESS, 3 hours credit
A general survey of the more significant principles, problems, and practices involved in the administration of business enterprises. Students learn about the functional areas of business enterprises (Accounting, Economics, Finance, Management, and Marketing). Intended for Freshman or Sophomore students. Lecture 3 hours.

2113* BUSINESS COMMUNICATIONS, 3 hours credit
Principles of effective business communication; organizational communication theory; document design; practice in preparing letters, memoranda, business reports, and employment-related messages; professional oral presentations. Lecture 3 hours. Prerequisite: ENGL 1213 or equivalent.

2211-3 SPECIAL STUDIES, 1-3 hours credit
A study of special Business areas or problems. Areas of study will vary from semester to semester and from one discipline area of Business to another. The course may be repeated for additional credit with permission of the Chair. Lecture 1-3 hours. Prerequisite: As listed for each separate offering and/or permission of the Chair.

2903* CAPSTONE FOR ASSOCIATE IN BUSINESS, 3 hours credit
This course is the capstone class for the A5 degree in Business. Reinforces the theories and skills needed in dealing with internal and external stakeholders and the environment. The course also examines career planning, preparation, and professional development. Capstone/lecture 3 hours. Prerequisites: BUS 1113 and BUS 2113.

3213 BUSINESS LAW I, 3 hours credit
An overview of the legal system, principles of contract law, Uniform Commercial Code and how it has changed contract law, rights of debtors and creditors, and bankruptcy. Lecture 3 hours. Prerequisite: Junior standing or permission of the Chair.

3223 BUSINESS LAW II, 3 hours credit
A continuation of Business Law I. Agency, partnership, and corporate law with an emphasis on selecting the form of business organization. Sections on personal and real property, bailments, and real estate transactions. A brief look at wills, estates, and trusts. Lecture 3 hours. Prerequisite: BUS 3213.

3881-4 WORKSHOP, 1-4 hours credit
A course designed to emphasize specific Business and/or Economic topics. Combines the use of lectures and practical application exercises. May be repeated for a maximum of 6 credit hours. Lecture 1-4 hours. Prerequisites: Junior standing and permission of the Chair; permission of the Chair if taken for no credit.

4023 BUSINESS OPERATIONS RESEARCH, 3 hours credit
Managerial decision-making processes and techniques. Includes a discussion of the environment of decision-making with emphasis on quantitative techniques such as linear programming, queuing theory, game theory, PERT analysis, Markov analysis, and inventory models. Lecture 3 hours. Prerequisite: STAT 2613.

4213 CPA LAW, 3 hours credit
A review of the principles of contracts, sales, agency, partnership, corporations, suretyship, property, and bankruptcy. Study of secured transactions, commercial paper, securities regulations, insurance, employment, and accountant's liability. Lecture 3 hours. Prerequisite: 6 hours of Business Law.

4471-3 SEMINAR IN BUSINESS, 1-3 hours credit
Group projects designed to meet special needs of students in any of the disciplines of the Business Department. Seminar 1-3 hours. Prerequisite: Permission of the Chair.

4483 BUSINESS INTERNSHIP, 3 hours credit
Supervised work experience in a professional setting directly relating to the student’s business discipline. The internship will allow students to encounter practical workplace problems within their major field and gain experience in corporate and other business settings. May be repeated for a maximum of 6 hours, but repeat must be with a different business. A minimum of 150 hours of on-the-job training is required to complete the course. Internship 3 hours. Prerequisite: Department permission.

4491-3 INDEPENDENT STUDY IN BUSINESS, 1-3 hours credit
Independent readings and/or study of specific problems or special subjects, based on pre-approved outlines of plans, with conferences and/or written reports. Independent study/directed readings 1-3 hours. Prerequisites: 9 upper division hours in the discipline of the independent study and permission of the Chair. A proposal must accompany the request when submitted for approval.

4632 BUSINESS CAPSTONE: PROFESSIONALISM AND CAREERS, 2 hours credit
This course is the career and professionalism portion of the capstone for the Bachelor's degrees in Business. The students apply knowledge from their degree programs to career planning and professional skills development. Capstone/lecture 2 hours. Prerequisites: FIN 3603, MGMT 3013, MKTG 3413, graduating senior status, or permission of Chair. Corequisite: BUS 4633.

4633 BUSINESS POLICY, 3 hours credit
A capstone course designed to integrate course work in various functional areas of business. The focus of the course is understanding business strategy and competitive environment. Emphasis is on critical thinking and analysis, and decision making for business. Group projects, cases, business plan exercises and/or business simulations are used to give students an opportunity to draw upon and integrate functional knowledge and skills. Both written and oral communications are stressed throughout the course. Lecture 3 hours. Prerequisites: FIN 3603, MGMT 3013, MKTG 3413, and graduating senior status, or permission of Chair. Corequisite: BUS 4632.

ECONOMICS COURSES (ECN)

2013* PRINCIPLES OF ECONOMICS I, 3 hours credit
An introduction to, and analysis of, the general concepts of the American capitalistic system; supply and demand; the determinants of the level of total output, employment, and prices; monetary policy; and American economic growth policies. Lecture 3 hours. General Education, Economics.

2023* PRINCIPLES OF ECONOMICS II, 3 hours credit
A continuation of Economics 2013 with analysis of the concepts of allocation of resources to the firm and the distribution of final output to the individual; domestic economic problems of agriculture, unions, monopoly, and social goods; international trade and payments; and foreign economics. Lecture 3 hours. Prerequisite: ECON 2013.

3013* MICRO ECONOMIC THEORY, 3 hours credit
An analysis of the overall functioning of the price system and of the modern business firm in a private enterprise, market-type economy. The relation of price, quantity, and profit under competition and imperfect competition. Lecture 3 hours. Prerequisite: ECON 2023.
3023* MACRO ECONOMIC THEORY, 3 hours credit
National income concepts; aggregate demand by household, business, government, and foreign sectors; determination of national income, interest rate, prices, output, and employment levels. Lecture 3 hours. Prerequisite: ECON 2023.

3313* MONEY AND BANKING, 3 hours credit
Historical survey of money and the evolution of banking; organization and the operation of banks, monetary theory and markets, and the functions of the Federal Reserve System. Lecture 3 hours. Prerequisite: ECON 2023. (Cross-listed with FIN 3313.)

FINANCE COURSES (FIN)

2113 PERSONAL FINANCE, 3 hours credit
Problems and applications in personal finance. Study includes budgeting, credit use, financial institutions, insurance, real estate, taxes, investment, retirement, and estate planning. Lecture 3 hours.

3313* MONEY AND BANKING, 3 hours credit
Historical survey of money and the evolution of banking; organization and the operation of banks, monetary theory and markets, and the functions of the Federal Reserve System. Lecture 3 hours. Prerequisite: ECON 2023. (Cross-listed with ECON 3313.)

3603* PRINCIPLES OF FINANCE, 3 hours credit
A basic course in financial structure; sources, acquisition and management of short-term and long-term funds in both the money and capital markets; money market; instruments; the comparative evaluation of corporate capital structure in terms of risk, control and flexibility. Lecture 3 hours. Prerequisites: ECON 2023 and ACCT 2023.

3623 INVESTMENTS, 3 hours credit
An introduction to the appraisal of securities and the management of investment in the various types of securities and on the concepts of asset and portfolio management. Lecture 3 hours. Prerequisite: FIN 3603 or permission of the Chair.

4333 FINANCIAL MANAGEMENT, 3 hours credit
A detailed examination of financial management decision making techniques. Topics include cash and profit planning, asset management, capital structure, capital budgeting, and firm valuation, including mergers and acquisitions. Lecture 3 hours. Prerequisite: FIN 3603.

4471-3 SEMINAR IN FINANCE, 1-3 hours credit
Seminar presentation and special studies in topics of current interest in finance. Seminar 1-3 hours. Prerequisite: Permission of the Chair.

MANAGEMENT COURSES (MGMT)

3013* PRINCIPLES OF MANAGEMENT, 3 hours credit
An introductory management course dealing with the fundamental principles of management: planning, organizing, and controlling. Lecture 3 hours. Prerequisite: BUS 1113 and Junior standing or department permission.

3513 HUMAN RESOURCE MANAGEMENT, 3 hours credit
A comprehensive review of human resources policy development, along with a description and analysis of human resources techniques. The interdependence of human and operating functions is discussed. Focuses on the primary management functions as they relate to employment law, recruitment, selection, training, performance appraisal, compensation, and safety and health. Lecture 3 hours. Prerequisite: MGMT 3013 or permission of the Chair.

3613 PRODUCTION AND OPERATIONS MANAGEMENT, 3 hours credit
A study of manufacturing and service systems. Emphasizes product and process development; the planning of production facilities, quality control and production control systems; and logistics and distribution. Includes an introduction to quantitative tools useful in managing such activities. Lecture 3 hours. Prerequisites: MGMT 3013 and STAT 2613.

3813 LABOR MANAGEMENT RELATIONS, 3 hours credit
Study of the relationships between management and labor: contract negotiations, grievance procedures, and arbitration in the public and private sectors. Lecture 3 hours. Prerequisite: MGMT 3513.

4013 ORGANIZATIONAL BEHAVIOR, 3 hours credit
Concerns the application of knowledge relating to human behavior theory as it applies to the business environment. Includes motivation theory, leadership patterns, organization climate, interpersonal relations, intergroup behavior, etc. Emphasis is on behavioral research findings. Lecture 3 hours. Prerequisite: MGMT 3513.

4033 CASE STUDY IN SMALL BUSINESS, 3 hours credit
An application-based program to involve students in identifying problems and recommending solutions in actual business situations. Lecture 3 hours. Prerequisite: FIN 3603, senior standing, or permission of the Chair.

4053 BUSINESS AND SOCIETY, 3 hours credit
An examination of the external environment of business, the need to manage the external environment, and management's responsibility to the various elements of the environment. Lecture 3 hours. Prerequisite: MGMT 3513.

4443 PROJECT MANAGEMENT, 3 hours credit
Using a core-based approach, this course examines the key elements in multimedia instructional project management: accounting, human resource management and multimedia. Develops essential skills such as project evaluation, contract preparation and maintenance, cost estimating and budget tracking, scheduling, human resource acquisition and training, and effective team management. Additional topics include: procurement of talent and intellectual property rights from other sources and ensuring that firm assets and copyright will be protected. Lecture 3 hours.

4471-4 SEMINAR IN MANAGEMENT, 1-4 hours credit
Group study of specified topics in management for undergraduate students. Can be repeated for a maximum of 9 hours credit under different topic titles. Seminar 1-4 hours. Prerequisites: 9 hours of upper-division management and permission of the Chair.

MARKETING COURSES (MKTG)

3413* PRINCIPLES OF MARKETING, 3 hours credit
A basic course utilizing a managerial approach to the study and development of marketing with emphasis on marketing strategy and development of marketing mix. Lecture 3 hours. Prerequisite: Junior standing or permission of the Chair.

3423 CONSUMER MOTIVATION AND BEHAVIOR, 3 hours credit
An examination of the internal and external influences on buyer behavior; analysis of the buying process; consumer decision-making; and aggregate consumer behavior over time. Lecture 3 hours. Prerequisite: MKTG 3413.

3433 RETAILING, 3 hours credit
Designed to assist students seeking knowledge of the retail field. Principles and methods of organizing and operating a retail firm with particular emphasis on store layout, buying, pricing, sales promotion, control of stock, and evaluation. Lecture 3 hours. Prerequisites: MGMT 3013 and MKTG 3413.
3533 SALES MANAGEMENT, 3 hours credit
Problems of organization; planning and control of sales; formulation of sales policies and the operation of a sales force. Using the principles of selling along with supervising a sales program. Lecture 3 hours.
Prerequisites: MGMT 3013 and MKTG 3413.

4433 ADVERTISING, 3 hours credit
A survey of the various advertising media; planning and evaluating advertising materials. Lecture 3 hours.
Prerequisite: Senior standing or permission of the Chair.

4443 MARKETING RESEARCH, 3 hours credit
Development of statistical techniques applicable to marketing research. Includes a discussion of experimental design, planning research and investigations; formulation of hypothesis; logic and reasoning; conducting research investigations including formulation of the problem, sampling techniques, interviews, developing questionnaires; and the application of statistical techniques for reporting data. Lecture 3 hours.
Prerequisites: MKTG 3423 and STAT 2613.

4481-3 SEMINAR IN MARKETING, 1-3 hours credit
Study of specified topics in marketing. Can be repeated for a maximum of 9 hours credit under different topic titles. Seminar 1-3 hours. Prerequisites: MKTG 3413 and permission of the Chair.

*Liberal arts and sciences course.
The Department of Education offers programs leading to the Bachelor of Science Degree with a major in Elementary Education and to the Bachelor of Science degree with a major in Early Childhood Education. The Department offers Master of Education and Master of Science degrees. Refer to the Graduate Catalog for details.

TEACHER EDUCATION

Teacher Education Programs at Cameron University are accredited by the Oklahoma Commission for Teacher Preparation and the National Council for the Accreditation of Teacher Education (NCATE). Approved graduates will be recommended for teaching licenses in the elementary and secondary schools of Oklahoma. Cameron University also holds membership in the American Association of Colleges for Teacher Education.

TEACHER LICENSING AND CERTIFICATION

Cameron University offers programs of study which prepare students to teach at the early childhood, elementary, elementary-secondary, and secondary levels. The student who satisfactorily completes such a course of study is recommended to the State Department of Education for an Oklahoma teaching license. (Teaching licenses are issued only to those who have passed the State's tests for certification. For further information about these tests, contact the Director of Teacher Education.)

NOTE: Rules and regulations governing teacher education established by the Oklahoma State Regents for Higher Education, Oklahoma Commission for Teacher Preparation, Oklahoma State Board of Education, and the state legislature are being modified. The programs outlined in this catalog meet current interpretation of these policies. Students should frequently check with their advisors for up-to-date information regarding teacher education.

Early Childhood (PK-3)

Cameron offers a Teacher Education program to prepare students to teach at PK-3 level in the schools of Oklahoma. Early Childhood Education majors must demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages.

Elementary (1-8)

Students majoring in Elementary Education may be recommended for a Standard Oklahoma Elementary Teaching License. See the catalog section which deals with the Department of Education.

Elementary Education majors must demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages.

Secondary

Students attending Cameron University may pursue programs of study for an Oklahoma teaching license at the secondary level. Teacher Education programs are available to Cameron students in the following areas: Biology, English, Mathematics, and Social Studies.

Secondary Education majors must demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages.

Elementary - Secondary

PK-12

Students may pursue programs of study in Music, Romance Languages Education (French and Spanish) and Physical Education which will allow them to be recommended for a teaching license for the elementary-secondary levels. For a list of the required courses in these fields of specialization refer to the specific discipline area in this catalog.

Elementary-Secondary Education majors must demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages.

Admission to Teacher Education

Admission to teacher education is achieved through a formal process. Requirements for admission to Teacher Education are as follows:

a. A grade of C or better in: ENGL 1113, ENGL 1213, COMM 1113, MATH 1413 or higher, HIST 1483 or 1493, PS 1113 and 2 Humanities.

b. A grade of S in EDUC 1800.

c. Concurrent enrollment OR a grade of C or better in EDUC 3003, EDUC 3733, Science (Biology or Physical Science). (Students concurrently enrolled in EDUC 3003 must provide a grade check of C or better.)*

d. Passing scores on the Nelson Denny reading test (taken during Intro class) and OGET.

e. Maintain GPA of 2.5 at all times.

f. Passing score on EDUC 3003 Lesson Plan Rubric.

g. Three positive recommendation forms with unit dispositions.

h. Satisfactory completion of entry interview.

*If a student receives a grade below C or a grade of I admission to Teacher Education will be revoked, any enrollments in restricted classes for the upcoming semester will be dropped, and the student will have to reapply for admission.

BACHELOR OF SCIENCE DEGREE

MAJOR IN ELEMENTARY EDUCATION (350)

I. GENERAL EDUCATION REQUIREMENTS..............................................................44 hours

Elementary Education majors must complete twelve (12) semester hours in each of the following areas: mathematics, social sciences, sciences, and English.

Elementary Education majors should:

a. select MATH 1413 or 1513 to meet the Mathematics requirement.

b. choose HLTH 1012 as 2 hours of the Health and Wellness requirement.

Choose PSY 1113 (a prerequisite to EDUC 3733) to meet the Behavioral Science requirement.

d. demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages.
II. UNIVERSITY REQUIREMENTS .......................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ............................................................ 72-84 hours

A. Required Core Courses ............................................................. 36 hours
- MATH 2353 or elective, MATH 2363 or elective, MATH 1513 or above, LIBS 3423, EDUC 3023, EDUC 3513, EDUC 3533, EDUC 4423(R), EDUC 4443(R), EDUC 4463(R), EDUC 4483(R), EDUC 4553(R), Foreign Language elective or Successful Proficiency Test.

B. Professional Education Courses ................................................. 36 hours
- EDUC 1800, EDUC 3003, EDUC 3013, SPED 3103, EDUC 3733, EDUC 3753(R), EDUC 4653(R), EDUC 4935*(R), EDUC 4945*(R), EDUC 4955*(R), EDUC 4995*(R), SPED 3103.
*Should be taken in the professional semester.

(R) Restricted to students admitted to Teacher Education.

C. Special Education Option .......................................................... 15 hours
Students wishing to seek certification in Special Education may choose to take the following courses in addition to the required core and professional education courses:
- SPED 3203, SPED 3223, SPED 3243, SPED 3263, SPED 4413 and EDUC 4815*

**See Advisor for applicable courses.

IV. ADDITIONAL REQUIREMENTS .................................................. 6 hours
- Social Studies Elective (3 hours)**
- Science Elective (3 hours)**

**See Advisor for applicable courses.

V. ELECTIVES TO COMPLETE 124-136 HOURS REQUIRED FOR GRADUATION.

VI. Students must achieve a grade of C or better in Elementary Education Major courses and the Professional Education courses and courses that fulfill the state 4x12 requirement, whether taken with an Education prefix or a prefix from another department, to receive credit toward a degree. If a grade of D, F, or U is achieved, the course must be repeated.

Teacher Licensure/Certification
Students who complete the requirements for this degree and pass the State tests for certification in Early Childhood Education will be eligible for a teaching license.

BACHELOR OF SCIENCE DEGREE
MAJOR IN EARLY CHILDHOOD EDUCATION (355)

I. GENERAL EDUCATION REQUIREMENTS ....................................... 44 hours
Early Childhood Education majors must complete twelve (12) semester hours in each of the following four areas: mathematics, social sciences, sciences, and English (state 4x12 requirement).

Early Childhood Education majors should
a. choose PSY 1113 (a prerequisite to EDUC 3733) to meet the Behavioral Science requirement.
b. choose MATH 1413 or 1513 to meet the Mathematics requirement.
c. choose HIST 2113 or 2223 or PHIL 1113 as 3 hours of the Humanities requirement.
d. choose from ART 1013, ART 2613, ART 2623, THTR 1103, FNAR 1013, MUSC 1013, MUSC 1023, MUSC 1033, or MUSC 1413 to meet the other 3 hours of the Humanities requirement.
e. choose HLTH 1012 as 2 hours of the Health and Wellness requirement.
f. demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages by passing a Department of English and Foreign Languages proficiency test or by taking a foreign language course.

II. UNIVERSITY REQUIREMENTS ...................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ............................................................ 74 hours
A. Required Core Courses ............................................................. 41 hours
- ECE 2163, EDUC 3023, ECE 3154, ECE 3303, ECE 4144, EDUC 3513, EDUC 4423(R), EDUC 4463(R), EDUC 4553(R), LIBS 3423, MATH 1413 or above, MATH 2353 or math elective, MATH 2363 or math elective, MATH 1513 or above, MATH 2353 or math elective, MATH 2363 or math elective.

(R) Restricted to students admitted to Teacher Education.

B. Professional Education Courses ................................................ 33 hours
- ECE 4653(R), EDUC 1800, EDUC 3003, EDUC 3612*, EDUC 4313(R), EDUC 4945*(R), EDUC 4955*(R), SPED 3103.
*Should be taken in the professional semester.

**See Advisor for applicable courses.

IV. ADDITIONAL REQUIREMENTS .................................................... 6 hours
- Social Studies Elective (3 hours)**

**See Advisor for applicable courses.

V. ELECTIVES TO COMPLETE 124-136 HOURS REQUIRED FOR GRADUATION.

VI. Students must achieve a grade of C or better in Early Childhood Education major courses, Professional Education courses, and courses that fulfill the state 4x12 requirement, whether taken with an Education prefix or a prefix from another department, to receive credit toward a degree. If a grade of D, F, or U is achieved, the course must be repeated.

Teacher Licensure/Certification
Students who complete the requirements for this degree and pass the state tests for certification in Early Childhood Education will be eligible for a teaching license.

EARLY CHILDHOOD EDUCATION AND CARE COURSES (ECEC)

1111 INFANT PRACTICUM, 1 hour credit
Supervised practical experiences with infants (birth-12 months) in the workplace. This course requires 100 clock hours in the workplace. Practicum 1 hour. Prerequisites: ECEC 2123 or concurrent enrollment and consent of instructor, which includes arrangements for the practicum site prior to enrollment.

1113 CHILD GROWTH AND DEVELOPMENT, 3 hours credit
The principles of physical, intellectual, emotional, social and linguistic development of children from diverse cultural backgrounds are studied. Lecture 3 hours.

1123 INTRODUCTION TO EARLY CARE AND EDUCATION, 3 hours credit
An introduction to the profession of early childhood education focusing on developmentally appropriate practices, types of programs, historical perspectives, ethics, current issues, and what it means to be a professional. Lecture 3 hours.
1213 CURRICULUM RESOURCES AND ACTIVITIES, 3 hours credit
The course focuses on a developmentally appropriate activity-oriented approach to curriculum for young children. Lecture 3 hours.

1221 TODDLER PRACTICUM, 1 hour credit
Supervised practical experiences with toddlers (12-36 months) in the workplace. This course requires 100 clock hours in the workplace. Practicum 1 hour. Prerequisites: ECEC 2123 or concurrent enrollment and consent of instructor, which includes arrangements for the practicum site prior to enrollment.

1223 CHILD GUIDANCE, 3 hours credit
An exploration of common behavioral problems of young children with emphasis on positive guidance techniques. Lecture 3 hours.

2111 YOUNG CHILD PRACTICUM, 1 hour credit
Supervised practical experiences with young children (3-5 years) in the workplace. This course requires 100 clock hours in the workplace. Practicum 1 hour. Prerequisites: ECEC 1213 or concurrent enrollment and consent of instructor which includes arrangements for the practicum site prior to enrollment.

2123 INFANTS AND TODDLERS, 3 hours credit
A study of individualized techniques and activities necessary to provide high-quality care for infants and toddlers in a child care setting. Lecture 3 hours.

2211 SCHOOL AGE PRACTICUM, 1 credit hour
Supervised practical experiences with school age children (5-8 years) in the workplace. This course requires 100 clock hours in the workplace. Practicum 1 hour. Prerequisites: ECEC 1213 or concurrent enrollment and consent of instructor, which includes arrangements for the practicum site prior to enrollment.

2881-3 SPECIAL TOPICS, 1-3 hours credit
Directed individual or group study of selected topic(s) in Early Childhood Education Care. The course may be repeated for additional credit with department permission. Lecture 1-3 hours. Prerequisite: as listed for each separate offering and/or department permission.

3233 LITERACY FOR CHILDREN, 3 hours credit
A study of principles, methods, and materials for helping young children develop literacy using developmentally appropriate practices. The course focuses on emergent literacy best practices through the examination and application of current research in early literacy. Lecture 3 hours.

4223 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS, 3 hours credit
An in-depth study of the management procedures for operating, supervising, and evaluating programs for young children. Lecture 3 hours.

4333 DEVELOPMENTAL ASSESSMENT AND OBSERVATION, 3 hours credit
Students will explore observation and assessment instruments, as well as recommended practices and available resources for infants, toddlers, and preschoolers. Content includes an emphasis on observing young children and assessing their early childhood learning environments. Lecture 3 hours.

EARLY CHILDHOOD EDUCATION COURSES (ECE)

2163 HEALTH, SAFETY AND NUTRITION FOR YOUNG CHILDREN, 3 hours credit
A course for students working in an early childhood educational setting, for child care givers, and for adults and parents who desire additional information about current concepts in the fields of health, safety, and nutrition and their relationship to the young child. Lecture 3 hours.

3154 METHODS AND PRACTICUM IN EARLY CHILDHOOD EDUCATION, 4 hours credit
Methods and practice in instruction and guidance of young children. Emphasis on developmental processes and motor skills. A field component is required. Lecture 3 hours.
3023 CREATIVE EXPERIENCES FOR EARLY CHILDHOOD AND ELEMENTARY SCHOOL: AN INTEGRATED APPROACH. 3 hours credit
This is a course on the fundamentals of the arts, dance, drama, and music for early childhood and elementary school children. The course will focus on the integration of aesthetic and creative experiences into the early childhood curriculum. Lecture 3 hours.

3513 TEACHING PRIMARY READING. 3 hours credit
This course is designed for teaching reading grades K through 3 with emphasis on emerging literacy, phonics, and other beginning reading skills. Lecture 3 hours. Prerequisite or concurrent enrollment: LIBS 3423.

3533 TEACHING INTERMEDIATE/MIDDLE SCHOOL READING. 3 hours credit
This course emphasizes teaching reading in grades 4 through 8 with emphasis on development of vocabulary and comprehension and the place of literature in the reading program. Lecture 3 hours. Prerequisite: EDUC 3513.

3612 CLASSROOM MANAGEMENT. 2 hours credit
This course focuses on the study of effective practices of classroom management, motivation, and disciplinary methodologies. Lecture 2 hours. Prerequisite: Admission to professional semester.

3673 MEDIA AND TECHNOLOGY IN EDUCATION. 3 hours credit
The study of Instructional Technology as a theory and practical process for aiding in the learning process. The course includes techniques and technology used in planning, selection, production, utilization, and evaluation of a variety of instructional materials and computer-related technologies. Lecture 3 hours.

3733 DEVELOPMENTAL PSYCHOLOGY. 3 hours credit
This course covers the physical, mental, social, moral, and emotional development of the individual from conception through adulthood. It is designed for students in Teacher Education programs. Lecture 3 hours. Prerequisite: PSY 1113.

3753 EDUCATIONAL PSYCHOLOGY. 3 hours credit
This course provides an introduction to the behavioral and cognitive sciences in education: application of current research and theories of learning, intelligence and motivation to classroom practice. Additionally, the course requires field component in the public schools. Lecture 3 hours. Prerequisites: EDUC 3733 and admission to Teacher Education.

3881-2 WORKSHOP. 1-2 hours credit
A workshop is designed to give intensive emphasis of specific topic(s) related to elementary and/or secondary education. It may be repeated for a maximum of 4 hours credit. Workshop 1-2 hours. Prerequisites: Junior standing and department permission.

4313 PRACTICUM IN ASSESSMENT AND INSTRUCTION. 3 hours credit
This is a pre-service teaching experience in the public school taught in conjunction with a lecture course on assessment and participation under public school teacher guidance. Additionally, a minimum of 60 hours field component in the public schools. Practicum 3 hours. Prerequisite: Admission to Teacher Education and completion of EDUC 4653 or ECE 4653 with a grade of C or better.

4423 LANGUAGE ARTS METHODS. 3 hours credit
This course is designed to emphasize language arts integrated with other content areas. Focus on listening, speaking, reading, writing, viewing and visually representing with elementary school applications. Lecture 3 hours. Prerequisite: Admission to Teacher Education.

4443 SOCIAL STUDIES METHODS. 3 hours credit
This course focuses on the study of history, geography, economics, sociology, anthropology, and civics with intermediate/middle school applications. Lecture 3 hours. Prerequisite: Admission to Teacher Education.
4965 DIRECTED OBSERVATION AND INTERNSHIP IN JUNIOR HIGH SCHOOL, 5 hours credit
Secondary education majors observe, participate, and teach in junior high/middle school classrooms under the supervision and guidance of a mentor teacher and university supervisor. A professional education seminar is included. Internship 5 hours. Prerequisite: Admission to professional semester.

4975 DIRECTED OBSERVATION AND INTERNSHIP IN SENIOR HIGH SCHOOL, 5 hours credit
Secondary education majors observe, participate, and teach in senior high school classrooms under the supervision and guidance of a mentor teacher and university supervisor. A professional education seminar is included. Internship 5 hours. Prerequisite: Admission to professional semester.

4985 DIRECTED OBSERVATION AND INTERNSHIP IN SECONDARY SCHOOL, 5 hours credit
Students majoring in PK-12 subject areas observe, participate, and teach in secondary school classrooms under the supervision of a mentor teacher and university supervisor. A professional education seminar is included. Internship 5 hours. Prerequisite: Admission to professional semester.

4995 DIRECTED OBSERVATION AND INTERNSHIP IN EARLY CHILDHOOD, 5 hours credit
Early childhood education majors observe, participate, and teach in early childhood classrooms under supervision and guidance of an early childhood mentor teacher and university supervisor. A professional education seminar is included. Internship 5 hours. Prerequisite: Admission to professional semester.

LIBRARY SCIENCE COURSES (LIBS)

3423* CHILDREN'S LITERATURE, 3 hours credit
General survey of the literature available for children. Criteria for evaluation of materials in terms of needs, interests, and abilities of children. Methods of selecting books and introducing them to children. Lecture 3 hours.

READING COURSES (READ)

0123* READING FUNDAMENTALS I, (Remedial/Developmental Course)
This course assists students in development of reading comprehension vocabulary, and study skills needed to attempt college study or other advanced study. Diagnostic testing provides a basis for individualized and small group activities to improve students' skills. It is required for entering students who score 15 and below on the ACT Reading test or who score below 64 on the CPT Reading Comprehension test. DOES NOT COUNT TOWARD GRADUATION. Lecture 3 hours.

0223 READING FUNDAMENTALS II, (Remedial/Developmental Course)
This course is designed to improve reading comprehension, fluency, and vocabulary through direct instruction and skill-building exercises, which includes individually prescribed activities and frequent practice. It is required for entering students who score greater than 15 but less than 19 on the ACT Reading test or who score greater than 63 but less than 78 on the CPT Reading Comprehension test. DOES NOT COUNT TOWARD GRADUATION. Lecture 3 hours.

SPECIAL EDUCATION COURSES (SPED)

2103 THE YOUNG CHILD WITH SPECIAL NEEDS, 3 hours credit
This course introduces teachers, service providers and paraeducators to early childhood special education and intervention methods. The course will focus on children from birth to age five who are at risk for school success due to such factors as congenital disorders, developmental problems, and environmental factors such as poverty, abuse, and cultural linguistic differences. Lecture 3 hours.

3103* THE EXCEPTIONAL CHILD, 3 hours credit
Introduces pre-service teachers to characteristics, problems and special needs of exceptional children with specific application to the education of special needs students in general education classrooms (inclusion).
DEPARTMENT OF

HEALTH AND PHYSICAL EDUCATION

Chair – Stephanie Boss
Assistant Professors: Adrian, Oh
Instructors: Cellum, Chambers, DeLong, Gamet, Helvey, Holland, Hunt, Richards, Tabbert, Webb

The Department of Health and Physical Education offers a Bachelor of Science degrees in Physical Education and Sport/Fitness Management.

Consult a departmental advisor regarding questions and/or advisement.

BACHELOR OF SCIENCE DEGREE
MAJOR IN PHYSICAL EDUCATION (378)

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
Physical Education majors should:

a. choose MATH 1413 or 1513 for the mathematics requirement
b. choose PSY 1113 to meet the Behavioral Sciences requirement
c. choose HIST 2113 or 2223 or PHIL 1113 as 3 hours of the Humanities requirement
d. choose from ART 1013, ART 2613, ART 2623, THTR 1103, FNAR 1013, MUSC 1013, MUSC 1023, MUSC 1033, MUSC 1413 to meet the other 3 hours of the Humanities requirement
e. choose PE 1111, 1021, 1181, 1271 to meet the 4-hour Health and Wellness requirement
f. demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages by passing a Department of English and Foreign Languages proficiency test or by taking a foreign language course.

II. UNIVERSITY REQUIREMENTS .................................................................................. 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .......................................................................................... 80 hours

A. Required Core Courses ......................................................................................... 60 hours
HLTH 1053, HLTH 1063, HLTH 2213, HLTH 3013, HLTH 3243, HLTH 4503, HLTH 4553, HLTH 4563, HPET 2322, HPET 3013, HPET 3023, HPET 3333 or HPET 3383, HPET 3343, HPET 3353, HPET 3363, HPET 4003, HPET 4203, HPET 4213, HPET 4224

B. Professional Education Courses .............................................................................. 36 hours
EDUC 1800, EDUC 3003, SPED 3103, EDUC 3612, EDUC 3673, EDUC 3733, EDUC 3753(R), EDUC 4131(R), EDUC 4653(R), EDUC 4955(R), EDUC 4985(R), ENGL 3003 or ENGL 3063 or ENGL 3073

*Should be taken in the professional semester.
(R) Restricted to students admitted to Teacher Education.

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

Teacher Licensure/Certification

Students who complete the requirements for this degree and pass the state tests for certification in Physical Education will be eligible to apply for a standard teaching license.

Note: A grade of “C” or better is required in all major courses and all professional education courses.

BACHELOR OF SCIENCE DEGREE
MAJOR IN SPORT/FITNESS MANAGEMENT (370)

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
The Sport/Fitness Management program requires specific General Education requirements in behavioral science and health and wellness as follows:

Behavioral Science – PSY 1113
Health and Wellness – PE 1021, PE 1181, PE 1111, PE 1271

II. UNIVERSITY REQUIREMENTS .................................................................................. 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .......................................................................................... 80 hours
* A grade of C or better is required in all core courses and additional requirements.

A. Required Core Courses ......................................................................................... 60 hours

HLTH 1053, HLTH 1063, HLTH 2213, HLTH 3013, HLTH 3243, HLTH 3293, HLTH 4503, HLTH 4553, HLTH 4563, HPET 2322, HPET 3013, HPET 3023, HPET 3333 or HPET 3383, HPET 3343, HPET 3353, HPET 3363, HPET 4003, HPET 4203, HPET 4213, HPET 4224

B. Required Elective Courses ...................................................................................... 20 hours
ACCT 2013, BIOL 2013, BIOL 2034, BIOL 2134, BUS 2113, BUS 3213, CHEM 1004, CHEM 1361, CHEM 1364, CHEM 1471, CHEM 1474, CIS 1013, COMM 3313, HLTH 3033, HLTH 3613, HPET 2341–3, HPET 3373, HPET 4781–4, MGMT 3013, MKTG 3413, MKTG 4483, MSL 3011, MSL 3013, MSL 3021, MSL 3023, MSL 4004, MSL 4011, MSL 4013, MSL 4021, MSL 4023, PHYS 1004, PHYS 1115, PHYS 1215, PSY 2373, PSY 3423, PSY 4363, SOCI 2013

**Some courses require completion of prerequisites.

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

HEALTH COURSES (HLTH)

1012* DIMENSIONS OF WELLNESS AND EXERCISE SCIENCE, 2 hours credit
A study of major wellness dimensions and their effect upon physiological, psychological, and neuromuscular parameters. Emphasis on a scientific basis of knowledge related to exercise, nutrition, and other wellness components. Lecture 2 hours. General Education, Health and Wellness.

1053* PERSONAL AND COMMUNITY HEALTH SCIENCE, 3 hours credit
Problems and practices concerning knowledge and attitudes related to self-direction of health behavior in both personal and community health. Lecture 3 hours. General Education, Health and Wellness.

1063* BASIC NUTRITION, 3 hours credit
An introduction to the science of human nutrition and extensive information on the design and implementation of nutrition strategies to assist individuals in achieving their personal goals. Additional content includes sports nutrition information and dietary practices for the fitness enthusiast, as well as topics related to energy and weight management for various populations. Lecture 3 hours. General Education, Health and Wellness.

2213 FIRST AID, 3 hours credit
Immediate and temporary treatment for accidental injuries and sudden illness. Lecture 3 hours.

3013 ADAPTED PHYSICAL EDUCATION, 3 hours credit
Principles and problems related to adapting physical activities and exercises to specific requirements of exceptional individuals. Additionally requires field component in an appropriate setting. Lecture 3 hours. Prerequisite: HPET 2322.
3243 APPLIED ANATOMY AND KINESIOLOGY, 3 hours credit
The study of the mechanical and anatomical functions of human motion. (May not be used as a Biology course.) Lecture 3 hours. Prerequisite: HLT 3293.

3293 CARE AND PREVENTION OF ATHLETIC INJURIES, 3 hours credit
This course provides instruction related to the care and prevention of injuries associated with participation in sport and physical activity programs. Lecture 3 hours.

3303 SCHOOL AND COMMUNITY HEALTH PROGRAMS, 3 hours credit
A study of the school and community health programs which will include: (1) health instruction, including curriculum; (2) health services, and (3) healthful school and community environment. Emphasis will be placed on health programs in school-community relations. Lecture 3 hours.

3631* DRUGS AND SOCIETY, 3 hours credit
A study of substance abuse emphasizing the adverse effects on human life, health, traffic safety, and daily living. Lecture 3 hours.

4503* PHYSIOLOGY OF EXERCISE, 3 hours credit
A study of the physiological effects of physical exercise with instruction and practice for use of laboratory equipment and techniques utilized in the evaluation of human work capabilities. Lecture 2 hours, laboratory 2 hours. Prerequisite: HLT 3243.

4553 EXERCISE PRESCRIPTION, 3 hours credit
Exercise prescription for normal and special populations. Competencies in physiological testing, exerciser prescription, exercise leadership, handicapping conditions, and exercise and aging are incorporated. Lecture 3 hours. Prerequisites: HLT 2213, HLT 4203, and HPET 2322.

4563 PRINCIPLES OF STRENGTH TRAINING AND CONDITIONING, 3 hours credit
A course designed to investigate current techniques and theories of strength training and conditioning from the physiological and biomechanical perspectives for various sports and physical activities. Lecture 3 hours. Prerequisites: HLT 3293, HLT 3243, HLT 4903.

HEALTH AND PHYSICAL EDUCATION THEORY COURSES (HPET)

2322 INTRODUCTION TO HEALTH, PHYSICAL EDUCATION AND RECREATION, 2 hours credit
A foundational approach to interpretations and objectives of Health, Physical Education and Recreation, with information on career opportunities and the necessary qualifications. Designed to assist the major in developing a sound philosophic background for continued growth in the professional field. Lecture 2 hours. (Recommended for freshmen and sophomore majors.)

2341-3 SPECIAL STUDIES, 1-3 hours credit
Directed independent study in selected areas of health, physical education and recreation through research, observation and/or on-the-job internship. May be repeated with a different topic for a total of 6 hours. Independent study/directed readings 1–3 hours. Prerequisite: Department permission.

3013 SPORT PSYCHOLOGY, 3 hours credit
An analysis of the psychological factors involved in sport and physical activity with an emphasis on performance enhancement. Lecture 3 hours.

3023 SPORT MANAGEMENT, 3 hours credit
An introductory course designed to provide experiences related to physical, financial and human aspects in the design, management and operation of sport and fitness facilities. Lecture 3 hours.

3052 SPORTS OFFICIATING I, 2 hours credit
Current rules, interpretation and techniques in sports officiating, with practical application in techniques and mechanics of officiating football, soccer and volleyball. Students with successful performance may be eligible to receive official ratings. Lecture 1 hour/laboratory 2 hours.

3062 SPORTS OFFICIATING II, 2 hours credit
Current rules, interpretation and techniques in sports officiating with practical application in techniques and mechanics of officiating baseball, basketball and wrestling. Students with successful performance may be eligible to receive official ratings. Lecture 1 hour/laboratory 2 hours.

3333 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL, 3 hours credit
Program and management of games and activities including movement learning for elementary school age children. Concepts of health including wellness, fitness, and nutrition are explored. Additionally requires a field component in the public schools. Lecture 3 hours. Prerequisite: HPET 2322.

3343 PHYSICAL EXAMINATIONS AND MEASUREMENTS, 3 hours credit
Instruction in methods and techniques designed to measure, assess and evaluate performance in sport, fitness and physical education settings. Laboratory experiences and field components required. Lecture 3 hours.

3353 OUTDOOR RECREATION, 3 hours credit
Philosophy of leisure, economic significance, recreation fields, and an introduction to basic outdoor activities and skills. Lecture 3 hours. Prerequisite: HPET 2322.

3363* COMMUNITY AND RECREATIONAL LEADERSHIP, 3 hours credit
Introductory course in the history, philosophy, organization, management, and materials of community and private recreation. Lecture 3 hours. Prerequisite: HPET 2322.

3373 RECREATION FOR SPECIAL POPULATIONS, 3 hours credit
Planning and programming recreational activities and leisure-related experiences for individuals who have special impairments, such as chronic illness or physical, mental, emotional or social disability. Lecture 2 hours, laboratory 2 hours. Prerequisite: HPET 2322.

3383 PHYSICAL EDUCATION IN THE SECONDARY SCHOOL, 3 hours credit
An introductorv course designed to provide students to become effective teachers through the practice of planning, managing, implementing and evaluation of the teaching learning process at the secondary level. Includes Field Experience component. Lecture 3 hours. Prerequisite: HPET 2322.

4003 ADMINISTRATION OF SPORT/ACTIVITY PROGRAMS, 3 hours credit
A study of the theory and practice of the administration of physical activity and sport programs. Included are current trends, concepts and applications of effective programming and administration of programs in various settings. Field component required. Lecture 3 hours.

4203 MOTOR LEARNING, 3 hours credit
An examination of the processes and the organismic and situational factors related to the acquisition and performance of motor skills. Lecture 3 hours. Prerequisites: HLT 3013 and HLT 3243.

4213 LEGAL ASPECTS IN SPORT AND PHYSICAL ACTIVITY, 3 hours credit
A course designed to develop an understanding of legal principles, proceedings and issues relevant to a variety of sport settings. Lecture 3 hours.

4224 CAPSTONE EXPERIENCE: SPORT/FITNESS MANAGEMENT, 3 hours credit
This senior-level class is designed to be the capstone of curricular requirements for the Sport/Fitness Management degree. Students will complete senior-level assessment, resume, and networking requirements. A supervised field experience at an approved site offering management opportunities with emphasis on decision-making tasks and administrative procedures is required. Students will be under the supervision of the facility mentor and university supervisor. Capstone 4 hours. Prerequisites: Final semester of Senior year and permission of Chair.
4773 METHODS OF TEACHING PHYSICAL EDUCATION, 3 hours credit
Problems and methods in the teaching of Physical Education. Additionally requires field component in the
public schools. Lecture 3 hours. Prerequisite: HLTTH 3013 and HPET 3333 or HPET 3383 and Admission
to Teacher Education.

4781-4 SPECIAL STUDIES, 1–4 hours credit
Directed independent study in selected areas of Health, Physical Education and Recreation through research, observation, and/or on-the-job internship. May be repeated with a different topic to a total of 9
hours. Independent study/directed readings 1–4 hours. Prerequisites: Junior standing and department
permission.

PHYSICAL EDUCATION ACTIVITY COURSES (PE)

1001 AEROBICS, 1 hour credit
A scientific, systematic approach to pulmonary, cardiovascular conditioning and training. Fitness classifications will be determined, and an appropriate individual exercise program will be selected. Physical education activity/laboratory 2 hours. Prerequisite: Physician's examination or approval. General Education, Health and Wellness.

1021 TEAM SPORTS, 1 hour credit
Fundamentals of Basketball, Football, Soccer, Speedball, Softball, and Volleyball. Four to five of these sports are incorporated in the class with instruction and practice in basic skills followed by participation as a member of a team. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1081 PHYSICAL EDUCATION ACTIVITY, 1 hour credit
Individual and group activities for general physical improvement. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1091 TOTAL FITNESS, 1 hour credit
Low impact exercise that combines strength and cardiovascular conditioning to improve posture and reshape the body. Activities include weightlifting, swimming, videos, and fitness testing. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1101 BEGINNING SWIMMING, 1 hour credit
Introduction to swimming which will equip the individual with basic water safety skills and strokes. Provides opportunity for studying Beginner and Advanced Beginner Red Cross courses. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1111 WATER EXERCISE, 1 hour credit
Low impact aerobic exercise that emphasizes use of weight belts, flotation restraints, water weights, or body weight to improve muscle tone, bone strength, joint flexibility, and overall cardiovascular function. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1161 RECREATIONAL BASKETBALL, 1 hour credit

1171 VOLLEYBALL, 1 hour credit

1181 RACQUET SPORTS, 1 hour credit

1231 WALKING AND JOGGING I, 1 hour credit
Light to moderate activity designed to improve muscle tone and the cardiovascular system through a planned program of fitness walking and/or jogging. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1241 WALKING AND JOGGING II, 1 hour credit
Vigorous activity designed to improve muscle tone and the cardiovascular system through a planned program of fitness walking and/or jogging. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1271 WEIGHT TRAINING, 1 hour credit
Fundamental skills and basic knowledge for weight training. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1281 FUNDAMENTALS OF FISHING, 1 hour credit

1301 KETTLEBELL, 1 hour credit
Cardiovascular, strength, and flexibility training using kettlebell equipment to perform static, dynamic, and ballistic exercises. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1311 STEP AEROBICS I, 1 hour credit
Low impact exercise that emphasizes major muscle groups, cardiac risk profile, proper form and technique, core strength, and cardiovascular endurance. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1321 STEP AEROBICS II, 1 hour credit
Low to medium impact exercise that emphasizes major muscle groups, cardiac risk profile, proper form and technique, core strength, and cardiovascular endurance. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1331 STEP CIRCUIT, 1 hour credit
High energy circuit training designed to keep the body moving while emphasizing core strength, muscle tone and endurance, and cardiovascular. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1341 BODY PUMP, 1 hour credit
Exercise that strengthens the entire body by challenging all major muscle groups through the use of barbells and/or own body weight. Physical education activity/laboratory 2 hours.

1351 BODY FLOW, 1 hour credit
Low-impact exercise using a combination of Tai Chi, Yoga, and Pilates to achieve increase flexibility, muscular strength, and core breath strength. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1361 SPIN, 1 hour credit
High energy stationary bike workout designed to enhance cardiovascular endurance and muscular strength. Participants select personal intensity levels during the workout through body position and bike tension. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1371 BOXAEROBICS, 1 hour credit
Exercise with a combination of martial arts and aerobic techniques for the benefit of physical fitness. Activities include: jumping rope, push-ups, abdominal training, cardiovascular exercise, strength training and toning, box aerobics, and stretching. Laboratory 2 hours. General Education, Health and Wellness.
1381 CARDIO KICKBOXING, 1 hour credit

1391 KUNG FU, 1 hour credit
Fundamentals of kung fu emphasizing basic kicks, basic forms of self-defense, breathing techniques, and proper stretching methods to enhance flexibility, core strength and endurance. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1401 TAI CHI, 1 hour credit
An approach to mental relaxation and physical fitness that concentrates on correct posture, breathing control and core strength. Tai Chi’s movements are fluid, graceful, and well balanced, promoting the complete harmony of body and mind. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1411 YOGA/PILATES, 1 hour credit
Combination of “body and mind” disciplines using core strength, flexibility, stretching, and body mechanics to expand conscious awareness through movement. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1421 BEGINNING YOGA, 1 hour credit
This course provides a foundation for exploring basic yoga poses. The course includes opportunities to practice meditation and breathing techniques to reduce stress and enhance physical, emotional and spiritual well-being. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1431 ADVANCED YOGA, 1 hour credit
This course reviews the basics of yoga while integrating more challenging poses that link movement of the body with breathing techniques to soothe body and mind. Physical education activity/laboratory 2 hours. Prerequisite: PE 1261 or PE 1411 or PE 1421. General Education, Health and Wellness.

1441 WEIGHT LOSS YOGA, 1 hour credit
This course explores the benefits of yoga in the area of weight loss. Students will learn how to do yoga poses, breathing exercises and meditation techniques that can encourage weight loss and/or can help participants to maintain a healthy weight. Discussion of current eating trends, health problems and psychological barriers associated with eating healthy will be examined. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1501 BALLROOM DANCE I, 1 hour credit

1511 BALLROOM DANCE II, 1 hour credit

1521 COUNTRY SWING, 1 hour credit
Introduction to swing dancing using fundamental skills to execute rhythmic dances in social settings to include exposure to several genres of music, dance terminology, and a brief history of dance. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1531 LINE DANCING, 1 hour credit
Introduction to line dancing using fundamental skills to execute rhythmic dances in social settings to include exposure to several genres of music, dance terminology, and a brief history of dance. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1601 INTRODUCTION TO HIKING, 1 hour credit
Individual and group activities for general physical improvement combined with acquiring hiking skills and information pertinent to hiking. Course involves easy to moderate trail walking, minimal boulder hopping and some bushwhacking. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

1611 HIKING/BOULDERING, 1 hour credit
Individual and group activities for general physical improvement combined with acquiring hiking and bouldering skills and information pertinent to hiking and bouldering. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

2001 ELEMENTARY GOLF, 1 hour credit

2011 ELEMENTARY BOWLING, 1 hour credit

2021 ADVANCED BOWLING, 1 hour credit

2031 ELEMENTARY TENNIS, 1 hour credit

2051 EXERGAMING, 1 hour credit
Exergames are videogames that require player exertion. Students will survey exergames across a variety of systems to be physically active. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

2061 RIFLERY, 1 hour credit

2101 ARCHERY, 1 hour credit
Introduction to archery using fundamental skills to execute rhythmic dances in social settings to include exposure to several genres of music, dance terminology, and a brief history of dance. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

2121 SELF-DEFENSE, 1 hour credit
Study and development of skills and fundamental knowledge in the art of self-defense through scientific principles of body control over opposing forces. Physical education activity/laboratory 2 hours. General Education, Health and Wellness.

2181 RECREATION ACTIVITIES, 1 hour credit

INTERCOLLEGIATE SPORTS COURSES (ATH)

2201 BASEBALL, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

2211 BASKETBALL, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.
2221 CROSS COUNTRY, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

2231 GOLF, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

2241 TRACK AND FIELD, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

2251 TENNIS, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

2261 SOFTBALL, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

2271 VOLLEYBALL, 1 hour credit
Participation in Intercollegiate Sports. Physical education/recreation activity 1 hour. May not be used to satisfy General Education requirements.

*Liberal arts and sciences course

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**DEPARTMENT OF
PSYCHOLOGY**

Chair – Mary Dzindolet, Professor  
Associate Professors: Alexander, Geiger, Jerez  
Assistant Professors: Balmer, Calix, Cavazos, Cheshire, Moore, Sailor, Seger  
Instructors: Milan

The Department of Psychology offers programs leading to the Bachelor of Science degree with a major in Family and Child Studies and a major in Psychology. Refer to the Graduate Catalog for information relating to the General Psychology, Marriage and Family, and Counseling tracks in the Master of Science in Behavioral Sciences degree program.

**BACHELOR OF SCIENCE DEGREE**

**MAJOR IN FAMILY AND CHILD STUDIES (356)**

The Family and Child Studies program provides preparation for professionals who serve infants, toddlers, and young children and their families in home- and community-based programs, for families and expectant parents, early intervention, early childhood education, and in leadership/advocacy positions. Family and Child Studies students complete a practicum experience as a part of their degree in environments that prepare them for an exciting professional future focused on the population they will be serving.

I. GENERAL EDUCATION REQUIREMENTS ......................................................................................... 44 hours  
The Family and Child Studies program requires specific General Education requirements in behavioral science as follows:  
Behavioral Science – PSY 1113

II. UNIVERSITY REQUIREMENTS .................................................................................................. 1-3 hours  
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ........................................................................................................ 56 hours  
A. Required Courses .................................................................................................................. 47 hours  
   Early Childhood Education and Care Courses .................................................................. 21 hours  
   ECEC 1113, ECEC 1123, ECEC 1213, ECEC 1223, ECEC 3233,  
   ECEC 4223, and ECEC 4333  
   Family Science Courses .................................................................................................. 11 hours  
   FAMS 1123, FAMS 3143, FAMS 4333, and FAMS 4702  
   Education Course ........................................................................................................ 3 hours  
   EDUC 3023  
   Special Education Course ................................................................................................. 3 hours  
   SPED 2103  
   Early Childhood Education Course ................................................................................ 3 hours  
   ECE 2163  
   Psychology Courses ........................................................................................................ 6 hours  
   PSY 3363 and PSY 3373  
B. Major Elective Courses ......................................................................................................... 9 hours  
   Selected from the following list with a minimum of 5 hours of upper-division courses: ECE 3303, FAMS 4143, LIBS 3423, or SOCI 4403

IV. MINOR REQUIREMENTS ........................................................................................................ 18 hours

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.
FAMILY SCIENCE COURSES (FAMS)

1123* FAMILY RELATIONS, 3 hours credit
An examination of research, issues, challenges, opportunities, and trends relating to family interaction and decision making over the life-span. Lecture 3 hours. General Education, Behavioral Science.

1163* HUMAN ECOLOGY, 3 hours credit
Basic ecological principles and concepts related to health will be presented. Humanity's place within the environment will be surveyed including the interrelationships of geographic, political, economic, social, psychological and other factors. Lecture 3 hours.

2153* HUMAN SEXUALITY, 3 hours credit
A general investigation of human sexuality against a background of changing sexual mores for physiological, psychological, and sociological perspective. Exploration of current issues and implications for future trends in human interaction. Special emphasis on the development of healthy interpersonal relationships. Lecture 3 hours.

3143* PARENTHOOD EDUCATION, 3 hours credit
Education as to the decisions, responsibilities and social issues related to parent-child relationships. Understanding the role of the parent with emphasis on communication, creativity and discipline. Lecture 3 hours. Lecture 3 hours. Prerequisite: FAMS 1123, junior standing or permission of the department.

4123* MARRIAGE, 3 hours credit
Identification and analysis of stressors in contemporary marriages. Strategies for enrichment will be emphasized. Lecture 3 hours. Prerequisite: FAMS 1123, junior standing or permission of the department.

4133* MIDDLE AND LATER ADULT YEARS, 3 hours credit
Emphasis on development processes and generational relationships. Individuals in middle and later stages of the family life cycle will be studied. Changing family composition, role transitions, support systems and potentials for enhancement will also be investigated. Lecture 3 hours. Prerequisite: FAMS 1123 or PSY 1113 or SOC 1113.

4143* CRISIS MANAGEMENT AND RESOURCES, 3 hours credit
Examination of crisis and management theories and strategies used to help individuals and families deal productively with crisis producing situations. Identification and mobilization of pertinent personal, family, and community resources. Lecture 3 hours. Prerequisite: Junior standing or permission of the department.

4163 HEALTHY AGING, 3 hours credit
Emphasis on demographic changes due to longevity; differences between aging and illness; and effects of aging that may be reversible. Lecture 3 hours. Prerequisite: FAMS 1123, junior standing or permission of the department.

4173 FUNCTIONAL FAMILY SYSTEMS, 3 hours credit
Emphasizes the family unit as a communicational, instructional, and interactional system. Lecture 3 hours. Prerequisite: FAMS 1123, junior standing, or permission of the department.

4333 CURRENT ISSUES IN FAMILY DIVERSITY, 3 hours credit
An in-depth study of the historical, current, and projected demographic trends of American families. Students will examine the impact of increasing cultural diversity of American families on family theory, research, and service delivery. Lecture 3 hours. Prerequisite: FAMS 1123.

4702 FIELD EXPERIENCE IN CHILD CARE, 2 hours credit
Supervised study and field experience in a child care facility. Internship/field experience/capstone 2 hours. Prerequisite: Approval from Family and Child Studies major advisor, ECEC 1213, ECE 2163, ECEC 3233, EDUC 3023, ECEC 4333, and ECEC 4223.

BACHELOR OF SCIENCE DEGREE

MAJOR IN PSYCHOLOGY (165)

Psychology is the scientific study of behavior. Through courses in psychology, students will learn principles which govern human behavior. The courses offered reflect the diversity in psychology and meet the educational objectives of at least three groups of students: (1) Those who seek a general survey course in the field of psychology or those who wish to study a program of psychology in depth at the undergraduate level but do not contemplate entrance into psychology as a profession, (2) those who wish to enter psychology as a profession immediately after the Bachelor's Degree, and (3) those who plan to attend graduate school and then enter psychology as a profession.

I. GENERAL EDUCATION REQUIREMENTS.................................................................44 hours
The Psychology program requires specific General Education requirements in mathematics and behavioral science as follows:
- Mathematics – MATH 1513, MATH 1613, MATH 1715, MATH 2215, MATH 2713
- Behavioral Science – PSY 1113

II. UNIVERSITY REQUIREMENTS .................................................................................1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .............................................................................42 hours
A. Required Courses ..........................................................................................27 hours
  - PSY 1113, PSY 2113, PSY 3353, PSY 3413, PSY 3423, PSY 4363, PSY 4393,
    PSY 4423, and PSY 4433
B. Major Elective Courses ..................................................................................15 hours
  Selected from the following list with a minimum of 9 hours having a PSY prefix of 3000 or above: FAMS 2153, PSY 2223, PSY 2373, PSY 3313,
  PSY 3333, PSY 3363 or PSY 3373, PSY 3383, PSY 4313, PSY 4323,
  PSY 4443

IV. MINOR REQUIREMENTS ..................................................................................18 hours

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

PSYCHOLOGY COURSES (PSY)

1113* GENERAL PSYCHOLOGY, 3 hours credit
A study of the basic facts and principles of behavior. Lecture 3 hours. General Education, Behavioral Science.
2001-3* SELECTED TOPICS IN PSYCHOLOGY, 1-3 hours credit
Contemporary and historical concerns of Psychology are explored. A different topic may be presented each semester. Lecture 1-3 hours. Prerequisite: PSY 1113.

2113* HISTORY OF PSYCHOLOGY, 3 hours credit
A study of modern psychology as a science with emphasis on past and present schools of psychological thought. Lecture 3 hours. Prerequisite: PSY 1113.

2223* APPLIED PSYCHOLOGY, 3 hours credit
Psychological principles in relation to problems of Business, Industry, Education, Mental Health, or other human enterprises. Lecture 3 hours. Prerequisite: PSY 1113.

2373* INTRODUCTION TO HEALTH PSYCHOLOGY, 3 hours credit
An in-depth study of the biological properties of sensory systems and major phenomena in sensation and perception (e.g., adaptation, brightness, color and binocular vision, audition, taste, touch, imagery, individual differences, time and motion, attention and theories of psychophysical judgment including STD and classical). Lecture 3 hours. Prerequisite: PSY 1113.

3313* COGNITIVE PSYCHOLOGY, 3 hours credit
Studies in the major designs, methods employed and problems in conducting experiments in psychological research. Lecture 3 hours. Prerequisite: PSY 1113.

3333 COUNSELING AND CLINICAL PSYCHOLOGY, 3 hours credit
An introduction to the helping profession for students considering counseling or clinical psychology as a career. Lecture 3 hours. Prerequisite: PSY 1113.

3353* LIFESPAN HUMAN GROWTH AND DEVELOPMENT, 3 hours credit
Prerequisites: PSY 1113 and MATH 1513.

3363* PSYCHOLOGY OF EARLY CHILDHOOD, 3 hours credit
The study of human behavior as affected by social stimuli. Lecture 3 hours. Prerequisite: PSY 1113.

3373* PSYCHOLOGY OF MIDDLE CHILDHOOD AND ADOLESCENCE, 3 hours credit
A general survey of the principles, backgrounds, and procedures of psychological testing. Attention is given to interpretation of measuring instruments in the fields of personality and intelligence. Lecture 3 hours. Prerequisite: PSY 1113.

4313* PROFESSIONAL CAREER DEVELOPMENT, 3 hours credit
A general survey of the principles, backgrounds, and procedures of psychological testing. Attention is given to interpretation of measuring instruments in the fields of personality and intelligence. Lecture 3 hours. Prerequisite: PSY 1113.
4633* WORK AND SOCIETY, 3 hours credit
Comprehensive examination of linkages between personal, family and work life. A contemporary analysis of laws, attitudes, and demographic trends that form the reciprocal relationship between work and society. Lecture 3 hours. Prerequisite: Junior standing or permission of the department.

4781-3 CRM, FNS, FAMS WORKSHOP, 1-3 hours credit
Workshop designed to give intensive emphasis to a specific area. May be repeated with a different topic for a total of 6 hours. Workshop 1-3 hours. Prerequisite: Permission of the department.

FOOD AND NUTRITION SCIENCES COURSE (FNS)

3313 NUTRITION IN THE LIFE CYCLE, 3 hours credit
Study includes the physiological, biochemical, and sociological factors affecting nutrient requirements over the life span; emphasis on practical application of nutrition concepts and appropriate food selections to meet nutrient needs. Lecture 3 hours. Prerequisite: HLT H 1063.

*S, Liberal arts and sciences course
ART

Chair – Edna McMillan, Associate Professor
Professors: Liontas-Warren, B. Warren
Associate Professor: Linehan

The mission of the Department of Art is to support and enhance the University’s educational process by offering learning opportunities in art to the people of Southwest Oklahoma through appropriate degree programs and concomitant service curricula and activities.

The Department of Art offers a program leading to a Bachelor of Arts Degree with a major in art and a program leading to a Bachelor of Fine Arts Degree.

Bachelor of Arts Degree

The mission of the Bachelor of Arts degree program in Art is to prepare students for entry into a number of art related professions or endeavors by completing a broad, yet organized, curriculum in both art history and studio related courses.

I. UNIVERSITY REQUIREMENTS ...........................................................................................1-3 hours
UNIV 1001 or 1113

II. MAJOR REQUIREMENTS .................................................................................................48 hours
A. Required Courses ...........................................................................................................38 hours
   ART 1113, ART 1123, ART 1223, ART 1231, ART 2243, ART 2313, ART 2413, ART 2513, ART 2613, ART 2623, ART 3133, ART 4633, ART 4991
   Graphic Design Concentration..........................................................38 hours
   ART 1113, ART 1123, ART 1223, ART 1231, ART 2243, ART 2313, ART 2413, ART 2513, ART 2613, ART 2623, ART 3133, ART 4633, ART 4991

   B. Electives in Advanced Studio Courses* .................................................................10 hours
   *No more than 6 hours may be taken in one content area.

III. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.
B.A. students must have 40 hours of Liberal Arts and Sciences Courses.

Bachelor of Fine Arts

The mission of the Bachelor of Fine Arts degree program in Art is to prepare students for entry into graduate school or a number of art related professions or endeavors by providing learning opportunities that lead to the completion of a specialized curriculum in one of several studio concentrations: Graphic Design or Painting, Printmaking, or Sculpture.

Students seeking admission to the B.F.A. Program must pass an entrance examination.

I. UNIVERSITY REQUIREMENTS ...........................................................................................1-3 hours

II. MAJOR REQUIREMENTS .................................................................................................48 hours
A. Required Courses ...........................................................................................................38 hours
   ART 1113, ART 1123, ART 1213, ART 1223, ART 1231, ART 2243, ART 2313, ART 2413, ART 2513, ART 2613, ART 2623, ART 3133, ART 4143, ART 4633, ART 4991
   B. Concentration ...........................................................................................................18-30 hours
      Select one from the following:
      Graphic Design Concentration.........................................................30 hours
      ART 2253, ART 2733, ART 2743, ART 3213, ART 3743, ART 3753, ART 4213, ART 4713, ART 4733, ART 4933
      Painting, Printmaking, or Sculpture Concentration.........................18 hours
      ART 1113, ART 1123, ART 1213, ART 1223, ART 1231, ART 2243, ART 2313, ART 2413, ART 2613, ART 2623, ART 3133, ART 4143, ART 4633 (6 hours), ART 4991

   C. Electives* ..................................................................................................................8-10 hours
      Graphic Design Concentration.........................................................10 hours
      Painting, Printmaking, or Sculpture Concentration.........................8 hours
      *Elective courses may not be in concentration area.

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.
B.F.A. students must have 40 hours of Liberal Arts and Science courses.
1231 COMPUTER-STUDIO LAB, 1 hour credit
An introduction to computer graphics and appropriate software for use in foundation studio art courses. For Art majors only. Studio 2 hours. Prerequisite: Concurrent enrollment in ART 1113 and/or ART 1213 or permission of the Chair.

2243* COLOR, 3 hours credit
Exploration and analysis of color. Studio 6 hours.

2253 COMPUTER GRAPHIC DESIGN, 3 hours credit
An introduction to the processes of creatively translating concepts from words to effective visual communication through graphic design, layout, and technical illustration. Studio 6 hours. Prerequisite: ART 2113.

2313 PAINTING, 3 hours credit
Painting courses exploring the principles, techniques, media and creative potential of painting. Studio 6 hours. May be repeated for credit under a different subtitle.

2413 PRINTMAKING, 3 hours credit
An introduction to various basic printmaking processes: collagraphs, monoprints, intaglio, serigraphy, lithography, relief printing. Studio 6 hours. Prerequisite: ART 2113.

2513 SCULPTURE, 3 hours credit
A beginning class that emphasizes sculptural form and aesthetics through various media and techniques. Studio 6 hours. Prerequisite: ART 1213.

2613* HISTORY OF ART I, 3 hours credit
A survey of the painting, sculpture and architecture from prehistoric times through the Gothic period. Lecture 3 hours. General Education, Humanities – Aesthetics.

2623* HISTORY OF ART II, 3 hours credit
A survey of the painting, sculpture and architecture from the Renaissance through the 20th Century. Lecture 3 hours. General Education, Humanities – Aesthetics.

2733 ILLUSTRATION, 3 hours credit
Introduction to historic and contemporary illustration and consideration of a wide range of illustrative styles. Required experiments with media and consideration of alternate ways of illustrating a message through conceptual and compositional variations. Studio 6 hours. Prerequisites: ART 2113 and ART 1213.

2743 TYPOGRAPHY, 3 hours credit
An investigation of letter forms and their characteristics and a study of spacing, leading, type selection, layout alternatives, type specification and copy fitting. Preliminary introduction to typography as a communication medium. An understanding to typographic terminology and measuring systems while developing hand skills and introducing computer technology. Studio 6 hours. Prerequisites: ART 1113, ART 1213 and ART 2113.

2813 BEGINNING CERAMICS, 3 hours credit
Introduction to ceramic techniques, with focus on exploration, ideas, and the aesthetics of form. Studio 6 hours.

3133 FIGURE DRAWING, 3 hours credit
A studio course emphasizing drawing concepts and techniques. Studio 6 hours. Prerequisite: ART 1113.

3213 GRAPHIC DESIGN, 3 hours credit
Exploration of basic design principles - line, form and color, as visual communication. Problem solving, generation of ideas, development of concepts and the integration of word and image. Technical and presentation skills. Studio 6 hours. Prerequisite: ART 2253.

3313* HISTORY OF ART SEMINAR, 3 hours credit
Advanced studio courses in a variety of painting techniques which may include incursions of other media such as photography and print. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2313.

3423 ADVANCED GRAPHIC DESIGN, 3 hours credit
Advanced studio courses exploring the principles, techniques, media and creative potential of drawing. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 1113.

3443 ADVANCED PRINTMAKING, 3 hours credit
Advanced studio course exploring the principles, techniques, media and creative potential of printmaking. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2413.

3523 ADVANCED SCULPTURE, 3 hours credit
Advanced studio courses emphasizing personal exploration and involvement with sculptural form and techniques. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2413.

3633* HISTORY OF ART SEMINAR, 3 hours credit
Advanced studio courses exploring personal exploration and involvement with sculptural form and techniques. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2513.

3713 ART FOR ELEMENTARY TEACHERS, 3 hours credit
Lecture and laboratory experience in two and three dimensional media designed for the understanding and application of art as an element of the elementary curriculum. Lecture/studio 3 hours.

3723 PUBLIC SCHOOL ART, 3 hours credit
Elementary and Secondary theory in two and three dimensional media designed for the application and understanding of art as an element of the school curriculum with lecture and laboratory and field experience. Prerequisite: Teacher Certification students must be admitted to teacher education prior to enrollment. Studio 6 hours.

3743 ADVANCED COMPUTER GRAPHICS AND IMAGE ENHANCEMENT, 3 hours credit
Use of computer software to capture, create and alter electronic images for use in graphic design and illustration applications with an emphasis on concept and thematic development. Skilled production of portfolio pieces via learned software. Studio 6 hours. Prerequisites: ART 2733, ART 3213, Graphic Design concentration/consent of instructor.

3753 LAYOUT/PRODUCTION, 3 hours credit
Use of computer and traditional methods to enhance production skills and solution of design problems leading to an understanding of system design. Introduction to graphic design production and the preparation of art for reproduction. Studio 6 hours. Prerequisites: ART 2253, ART 2743, and ART 3213.

3813 CRAFTS, 3 hours credit
A studio course that relates material to form and function, with an emphasis on one of several materials: weaving, beadwork, textiles, etc. May be repeated under a different subtitle. No more than 6 hours may be counted toward a major in Art. Studio 6 hours.

4143 ADVANCED DRAWING, 3 hours credit
Advanced studio courses exploring the principles, techniques, media and creative potential of drawing. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 1113.

4213 ADVANCED GRAPHIC DESIGN, 3 hours credit
Advanced studio course exploring the principles, techniques, media and creative potential of graphic design. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2253.

4323 ADVANCED PAINTING, 3 hours credit
Advanced studio courses exploring the principles, techniques, media and creative potential of painting. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2313.

4523 ADVANCED SCULPTURE, 3 hours credit
Advanced studio courses emphasizing personal exploration and involvement with sculptural form and techniques. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2413.

4633* HISTORY OF ART SEMINAR, 3 hours credit
Advanced studio courses exploring personal exploration and involvement with sculptural form and techniques. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2513.
technology upon visual communication and the study of the growth and development of modern graphic design. Lecture 3 hours. Prerequisites: ART 3213, ART 4213, Graphic Design concentration or consent of instructor.

4733 ART PORTFOLIO CAPSTONE, 3 hours credit
Final preparation of a professional portfolio, culminating in an extensive design project and the design, organization and production of an exhibition of work. Professional study on setting fees, writing contracts, working with an agent and other business practices. Studio/capstone 6 hours. Prerequisites: ART 3213, ART 3743, ART 4213, and ART 4713.

4823 ADVANCED CERAMICS, 3 hours credit
Advanced studio courses in the application of clay techniques emphasizing the aesthetics of form. May be repeated for credit under a different subtitle. Studio 6 hours. Prerequisite: ART 2813.

4911-4 WORKSHOP, 1-4 hours credit
A concentrated course of specific exploration of various art forms, designed to provide intensive experience in studio projects. May be repeated for credit under different subtitle. No more than 6 hours of ART 4911-4 may be credited toward a major in Art. Studio 2-8 hours.

4921-3* INDEPENDENT STUDY, 1-3 hours credit
Independent study and guided research in a selected area of Art. May be repeated for credit. Independent study 1-3 hours. Prerequisite: Permission of the Chair.

4933 SENIOR ART STUDIO, 3 hours credit
Senior level art experience in a major studio area. May be repeated for credit. Studio 6 hours, as assigned by department chairman. Prerequisites: Senior standing in Art and permission of the Chair.

4991 SENIOR ART EXHIBITION, 1 hour credit
A capstone course that emphasizes the development and documentation of professional credentials and culminates in a final exhibition of art. Capstone/lecture 1 hour.

*Liberal arts and sciences course.

The mission of the Communication program is to support Cameron University’s mission of offering educational opportunities for a diverse student body. The program strives to develop students’ intellectual capacities, prepares students for entry into graduate school and communication-related professions, and plays a role in general education.

The Bachelor of Arts in Communication attempts to balance theory and performance-based skills in four areas of concentration: speech communication, radio/television, journalism, and public relations/organizational communication. As the four areas demonstrate, the disciplinary perspective of the Communication program tends to be centered in all areas of oral and mass communication. Major activities of the department include: AggieCentral.com (convergence journalism campus news website), Broadcast contests, CUTV, High School Speech Demonstration Day, KCCU, Public Relations contests, Speech and Debate Team, Summer Speech-Debate Camp for high school students, and The Cameron Collegian (weekly campus newspaper). Five student organizations in the department are: Broadcast Club, Lambda Pi Eta, Pi Kappa Delta, Public Relations Student Society, and Society for Professional Journalism. (See Communication Department's web pages http://www.cameron.edu/communication.)

BACHELOR OF ARTS DEGREE
MAJOR IN COMMUNICATION (140)

I. GENERAL EDUCATION REQUIREMENT ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ................................................................. 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ................................................................................. 43 hours
All communication majors are required to keep a portfolio of their work.
(See advisor for details.)
A. Required Core Courses ............................................................................ 13 hours
RTV 1013, JOUR 2113, COMM 3393, COMM 4673 or PBRL 3113, COMM 4901
B. Concentration .............................................................................................. 30 hours
Majors must choose one or more of the following concentrations: Speech Communication, Radio/Television, Journalism, Public Relations or Organizational Communication.
Speech Communication
Required Courses ....................................................................................... 18 hours
COMM 1133, COMM 2313, COMM 3313, COMM 3633,
COMM 4313, COMM 4623.
Electives ........................................................................................................ 12 hours
The following courses are recommended, but may be chosen from any of the other 3 areas of Radio/Television; Journalism; and Public Relations and Organizational Communication.
COMM 2143, COMM 2593, COMM 3113, COMM 3121-4, COMM 3353.
COMM 3643, COMM 3833, COMM 3991-3, COMM 4723, COMM 4991-3.

Public Relations and Organizational Communication

Required Courses .................................................................18 hours
COMM 3313, COMM 4673 and PBRL 3113, COMM 3633, JOUR 3013,
JOUR 3043, JOUR 3343
Electives .................................................................................12 hours
The following courses are recommended, but may be chosen from any
of the other 3 areas of Speech Communication; Radio/Television;
and Journalism.
COMM 2313, COMM 3353, COMM 3833, COMM 4723, JOUR 3133,
JOUR 4213, PBRL 3213, PBRL 3941-3, PBRL 4413, PBRL 4823,
PBRL 4931-3, PBRL 4973, RTV 2313.
Public Relations and Organizational Communication students may select
three hours of their electives from the following: MGMT 3013, MKTG 3413,
MKTG 4433.

Radio/Television*

Required Courses .................................................................18 hours
RTV 2213, RTV 2313, RTV 3123, RTV 3323, RTV 3513,
RTV 3911-2 (3 hours required).
Electives .................................................................................12 hours
The following courses are recommended, but may be chosen from any
of the other 3 areas of Speech Communication; Journalism; and Public
Relations and Organizational Communication.
RTV 2113, RTV 3223, RTV 3553, RTV 3413, RTV 3931-3, RTV 4133,
RTV 4333, RTV 4343, RTV 4923, RTV 4941-3, JOUR 4813.
Radio/Television students may select three hours of their electives from
the following: THTR 1203, THTR 3303, THTR 3703.

Journalism*

Required Courses .................................................................18 hours
JOUR 3013, JOUR 3043, JOUR 3133, JOUR 3343, JOUR 4133,
JOUR 4813.
Electives .................................................................................12 hours
The following courses are recommended, but may be chosen from any
of the other 3 areas of Speech Communication; Radio/Television; and
Public Relations and Organizational Communication.
ART 1113, ART 1213, MM 1133, JOUR 3233, JOUR 3991-3, JOUR 4213,
JOUR 4903, JOUR 4963, JOUR 4981-3, RTV 3413.
*The Radio/Television and Journalism concentrations will be replaced by a
standalone degree program in Journalism and Media Production in the near future.

IV. MINOR REQUIREMENTS .................................................................18 hours
Students may choose another area of concentration for a minor or may choose a minor
in another discipline.

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

COMMUNICATION COURSES (COMM)

1133* FUNDAMENTALS OF SPEECH, 3 hours credit
An introductory course designed to acquaint the student with the basic theory of the art of public speaking
and listening. The course provides experience in the composition and delivery of oral presentations in a
multi-cultural world. Topics include speech organization, forms of supporting materials, audience analysis,
and critical evaluation of speeches. Lecture 3 hours. General Education, Communication.

1133* VOICE AND DICTION, 3 hours credit
A general study of the structure of the vocal mechanism; principles of vocal quality, articulation and
pronunciation. Lecture 3 hours.

2143* DEBATE, 3 hours credit
Acquaints the student with the complexity of social problems, methods of research, methods of logical
analysis and development, construction of briefs, and techniques of refutation; practice in preparation and
delivery of sustained arguments. Lecture 3 hours.

2313* SMALL GROUP COMMUNICATION, 3 hours credit
A systems based approach to the study of group communication. Social bases of group development and
dynamics, including norms, leadership, role structures, conflict, and social climates. Special consideration
given to methods of group participation and decision-making. Lecture 3 hours.

2593* COMMUNICATION RESEARCH, 3 hours credit
Basic quantitative and qualitative research methods used in communication, journalism, broadcasting and
public relations. Focus on researching public opinion and communication behaviors using experimental,
survey, critical, and ethnographic designs. Includes hypothesis construction, empiricism, and data gathering
techniques. Lecture 3 hours.

3113* ARGUMENTATION AND ADVOCACY, 3 hours credit
Emphasis is placed on both theory and application of public speaking, speech criticism, and listening skills
in culturally diverse business and professional settings. Students will employ presentation software when
delivering a variety of business presentations such as informative, after dinner, persuasive, sales, and team
speeches. Lecture 3 hours. Prerequisite: Departmental permission.

3131* ADVANCED BUSINESS AND PROFESSIONAL SPEAKING, 3 hours credit
Emphasis is placed on both theory and application of public speaking, speech criticism, and listening skills
in culturally diverse business and professional settings. Students will employ presentation software when
delivering a variety of business presentations such as informative, after dinner, persuasive, sales, and team
speeches. Lecture 3 hours. Prerequisite: Departmental permission.

3313* ADVANCED BUSINESS AND PROFESSIONAL SPEAKING, 3 hours credit
Emphasis is placed on both theory and application of public speaking, speech criticism, and listening skills
in culturally diverse business and professional settings. Students will employ presentation software when
delivering a variety of business presentations such as informative, after dinner, persuasive, sales, and team
speeches. Lecture 3 hours. Prerequisite: Departmental permission.

3353* TEAM LEADERSHIP PROCESSES, 3 hours credit
Designed to enhance leadership skills and the knowledge of team leadership processes. Topics include the
attributes of teams, critical evaluation of information and reasoning processes, creation of effective work
climates, and contemporary approaches to leadership. The objective of this course is to learn how to
provide leadership in the communication process of work teams. Lecture 3 hours.

3393* INTERPERSONAL COMMUNICATION, 3 hours credit
Improving communication between persons. Discovering and overcoming obstacles in person-to-person
communication. Self-awareness of the student’s own communication behavior as well as that of others.
Projects in listening, speaking and communicating nonverbally. Lecture 3 hours.

3413* GENDER COMMUNICATION, 3 hours credit
An examination of current theory and research on gender communication. Focuses attention on the
relationship between communication and gender, including symbolic, social, and nonverbal dimensions.
Topics include language attitudes, communication styles, gender identity construction, and relationship
dynamics. Lecture 3 hours.

3633* PERSUASION, 3 hours credit
A study of persuasive communication, including social, psychological, and rhetorical theories of human
motivation; audience analysis, methods of adaptation; emotional, logical and rhetorical appeals; analysis of
persuasive premises in advertising, social and political campaigns; and special emphasis on ethical responsibilities of the speaker, media, and listener. Lecture 3 hours.

3643* POLITICAL COMMUNICATION ANALYSIS, 3 hours credit
Principles and methods of critical analysis will be examined, both historical and contemporary. Students will interpret and evaluate political persuasion. Emphasis will be given to speeches, campaigns, and movements. Lecture 3 hours.

3833* CONFLICT MANAGEMENT, 3 hours credit
An analysis of conflict situations in personal, professional, and cultural contexts. Role of communication in creating, expressing, and influencing conflict messages and behaviors. Topics include theories of conflict, cooperative processes, dialogue, mediation, interpersonal barriers and power. Lecture 3 hours. Prerequisite: COMM 3393.

3991-3 WORKSHOP, 1-3 hours credit
Workshop designed to give intensive emphasis to a specific area of communication. May be repeated with a different topic for additional credit up to a maximum of six hours. Communication majors can count only three hours of workshop in any communication area toward the communication degree. Workshop 1-3 hours.

4313* INTERCULTURAL COMMUNICATION, 3 hours credit
Development of a multicultural perspective to communication processes. Designed to broaden students' awareness of human diversity and foster better understanding among individuals and groups from different cultural experiences. Topics include worldviews, cross-cultural conflict, majority/minority relationships, identity development, and prejudices. Lecture 3 hours. Prerequisite: Junior standing. (Renumbered from COMM 3713.)

4513* LANGUAGE AND SOCIAL INTERACTION, 3 hours credit
The study of symbolic processes, meaning construction, and relationships between thought and language. Topics include symbolic interactionism, dramatism, narrative, and social constructionism. Lecture 3 hours.

4623* COMMUNICATION THEORY, 3 hours credit
An advanced survey of major philosophical and theoretical issues in human communication research. Discussion of social scientific and humanistic perspectives, research methods, and theory development. Analysis and critique of contemporary theories in the field. Lecture 3 hours. Prerequisites: 12 hours of communication coursework and Junior standing.

4673* CORPORATE AND ORGANIZATIONAL COMMUNICATION, 3 hours credit
The theory and function of communication within businesses, government, hospitals, schools, industrial firms, and other organizations with emphasis on concepts and principles needed for effective communication. Lecture 3 hours. (Renumbered from COMM 3383.)

4723 ORGANIZATIONAL COMMUNICATION INTERNSHIP, 3 hours credit
Supervised work experience in a professional setting which relates to the student’s career objectives. The internship will allow practical experience in corporate and organizational communication. May be repeated for a maximum of six hours. Internship 3 hours. Prerequisites: Upper-division standing and department permission.

4901* COMMUNICATION CAPSTONE, 1 hour credit
This course provides an overview of the major concepts in communication with an emphasis on the integration of four primary communication tracks: Journalism, Public Relations and Organizational Communication, Radio-Television, and Speech Communication. The course will also cover career options and graduate education in communication and related fields. Communication program assessment is a component of the course. Communication majors are required to take this course during their senior year. Capstone/lecture 1 hour. Prerequisites: Student must be a communication major, have taken COMM 1113, COMM 3393, COMM 4673 or PBRL 3113, RTV 1013, and JOUR 2113. Student must have completed at least 18 credit hours of communication coursework.

4991-3* SPECIAL TOPICS, 1-3 hours credit
Directed individual or group study of selected topic(s) in communication. The course may be repeated for a total of six hours. Independent study/directed readings 1-3 hours. Prerequisite: junior standing.

JOURNALISM COURSES (JOUR)

2113* INTRODUCTION TO JOURNALISM, 3 hours credit
Mass communication and the importance of the media’s role in American society. Lecture 3 hours. Co-requisite: ENGL 1113 or ENGL 1123.

3013* NEWS WRITING, 3 hours credit
A concentrated study of the techniques of obtaining and writing news that focuses on interpretive reporting, in-depth interviewing, reporting and writing. Students will work directly to support The Cameron Collegian. Lecture 3 hours. Prerequisite: JOUR 2113. (Renumbered to JRMP 5523.)

3043* PHOTOJOURNALISM I, 3 hours credit
The study of the principles and techniques of photography with an emphasis on composition and design. Students will learn and use digital darkroom techniques with the use of scanning software and image editing software. Lecture 3 hours. (Renumbered to JRMP 2243.)

3133 NEWSPAPER REPORTING, 3 hours credit
A laboratory for students to expand the techniques developed in News Writing (JOUR 3013). Students will work directly to produce The Cameron Collegian. Laboratory 6 hours. Prerequisite: JOUR 3013.

3233 ADVANCED NEWSPAPER REPORTING AND DESIGN, 3 hours credit
A laboratory for students to continue to expand the techniques developed in News Writing (JOUR 3013) and Newspaper Reporting (JOUR 3133). Advanced Newspaper Reporting and Design will also provide students the opportunity to directly help design and produce The Cameron Collegian. Laboratory 6 hours. Prerequisites: JOUR 3013, JOUR 3133, JOUR 3043 and JOUR 3343.

3343* MEDIA GRAPHICS, 3 hours credit
Explores techniques, processes, and procedures for the publication of print media with an emphasis on the elements of design using the pagination program InDesign and the image editing software Adobe Photoshop. Lecture 3 hours. (Renumbered/retitled to JRMP 3223 Layout and Design.)

3991-3 WORKSHOP, 1-3 hours credit
A workshop designed to give intensive emphasis to a specific area of journalism. May be repeated with a different topic for additional credit up to a maximum of six hours. Communication majors can count only three hours of workshop in any communication area toward the communication degree. Workshop 1-3 hours.

4133 NEWS EDITING, 3 hours credit
Study of editing and makeup techniques required in newspaper and magazine fields. Lecture 3 hours. Prerequisite: JOUR 2113. (Renumbered to JRMP 4413.)

4213* PHOTOJOURNALISM II, 3 hours credit
The continued study of the principles of photography with an emphasis on composition and design. Students will continue to employ digital darkroom techniques in coordination with various modes of expression: print, video and online. Lecture 3 hours. Prerequisite: JOUR 3043 or instructor’s permission.

4803* MASS MEDIA HISTORY, 3 hours credit
European background and development of the colonial press. Emergence of the partisan and penny newspapers. Evolution of personal and independent Journalism. Lecture 3 hours. Prerequisite: 12 hours of Journalism or permission of the instructor. (Renumbered to JRMP 4153.)

4813* MASS MEDIA LAW, 3 hours credit
The principles by which mass media exercise their public functions and fulfill legal obligations to society. Right to know, truth and fairness, responsibility, libel, privilege, fair comment, privacy, contempt,
2623* VISUAL COMMUNICATION, 3 hours credit
This course is an exploration into why some images are remembered while most are not. This course will explore how we see, why we see, the ethics of what we see, and equip students with a vocabulary for analyzing visual messages. The study of visual communication will change the way a student sees the world. Lecture 3 hours.

3223* LAYOUT AND DESIGN, 3 hours credit
Preparation for the participation in all phases of documentary production. The course will function as a team process with students participating in one or many aspects of the production. May be repeated for a maximum of six hours. Laboratory 6 hours. Prerequisite: Instructor permission. (Renumbered from RTV 3353.)

3423* BROADCAST NEWS, 3 hours credit
Theories and practices of broadcast news gathering, writing, delivery, and ethics to develop professional attitude and skills in broadcast and internet news. Lecture 3 hours, laboratory 2 hours. Prerequisite: JRMP 1113 and JRMP 1313. (Renumbered from RTV 2513.)

3523* NEWS WRITING, 3 hours credit
A concentrated study of the techniques of obtaining and writing news that focuses on interpretive reporting, in-depth interviewing, reporting and writing. Students will work directly to support The Cameron Collegian and/or AggieCentral. Lecture 3 hours. Prerequisite: JRMP 1113. (Renumbered from JOUR 3013.)

3613* MEDIA LITERACY, 3 hours credit
The purpose of this course is to look at the various components of the mass media industry with special emphasis on Media Literacy and the impact of Media Literacy on our culture. This course provides a theoretical underpinning and critical analysis to the Journalism and Media Production curriculum. The course is grounded in media theory which espouses the use of literacy education and criticism to analyze mass media effects on society. Lecture 3 hours. Prerequisites: JRMP 1113 and JRMP 2513.

3623* BROADCAST PROGRAMS AND RATINGS, 3 hours credit
Principles governing the selection of programs; preparation of broadcast schedules; and audience measurements. Focus will include program types, rating systems, program and audience analysis in radio, television and cable. Lecture 3 hours. (Renumbered from RTV 3213.)

3633* SOCIAL MEDIA THEORY, 3 hours credit
Social Media Theory is the study of the development, impact and significance of social mass media technologies. Students study new social media, develop an analysis model to examine emergent social media, research current social media uses and present findings to their peers. Lecture 3 hours.

3721-3 WORKSHOP, 1-3 hours credit
Workshop designed to give intensive emphasis to a specific area of media. May be repeated with a different topic for additional credit up to a maximum of six hours. Journalism and Media Production majors may count only three hours of workshops towards their degree. Workshop, 1-3 hours. (Renumbered from RTV 3931-3.)
3811-2 MEDIA PRACTICUM, 1-2 hours credit
Participation in all aspects media: radio, television; print on-line. Practicum, 1-2 hours. Prerequisite: Sophomore standing. (Renumbered/restitled from RTV 3911-2 Broadcast Lab.)

4153* MASS MEDIA HISTORY, 3 hours credit
Background and development of the early press. Emergence of the partisan press. Evolution of personal and independent journalism. Lecture 3 hours. Prerequisite: 12 hours of JRMP courses or permission of the instructor. (Renumbered from JOUR 4803.)

4233* GRAPHICS FOR VIDEO PRODUCTION, 3 hours credit
An examination of the principles, procedures, and techniques used in creating graphics for video production. While special emphasis is placed on graphics creation for the television medium, students will explore the use of graphics for non-broadcast applications such as distance or adaptive learning. Lecture 2 hours, laboratory 3 hours. Prerequisites: JRMP 3343. (Renumbered from RTV 4343.)

4353* CORPORATE VIDEO, 3 hours credit
Theory and uses of video in business and industry including writing, planning, and production, as well as television programs for instructional and corporate applications. Lecture 2 hours, laboratory 3 hours. Prerequisite: JRMP 1313. (Renumbered from JOUR 4133.)

4413 NEWS EDITING, 3 hours credit
Study of editing and makeup techniques required in newspaper and magazine fields. Lecture 3 hours. Prerequisite: JRMP 1113 and JRMP 2513. (Renumbered from JOUR 4133.)

4433* ONLINE JOURNALISM, 3 hours credit
Adapting works for the Internet, incorporating style and format changes to accommodate online audiences. Writing assignments for news and marketing content. Examination of the elements of print and broadcast writing styles that contributes to online content. This course is a thorough review of the differences and similarities that mark the era of media convergence in journalism. Lecture 3 hours.

4643* MASS MEDIA LAW, 3 hours credit
The principles by which mass media exercise their public functions and fulfill legal obligations to society. Right to know, truth and fairness, responsibility, libel, privilege, fair comment, privacy, contempt, copyright, and regulation of advertising. Lecture 3 hours. Prerequisite: JRMP 1113 and Junior standing. (Renumbered from JOUR 4813.)

4653* MEDIA MANAGEMENT, 3 hours credit
Investigation into various print and broadcast media management functions, sales, network and labor relations, internal organizational structures, operating procedures and government regulations. Lecture 3 hours. Prerequisite: Junior standing. (Renumbered/restitled from RTV 4133 Broadcast Management.)

4721-3 SPECIAL TOPICS, 1-3 hours credit
Directed individual or group study of selected topic(s) in broadcasting or journalism. The course may be repeated for credit up to 6 hours. Lecture 1-3 hours. Prerequisite: Junior standing. (Renumbered from RTV 4941-3.)

4823 MEDIA INTERNSHIP, 3 hours credit
Supervised work experience in a professional setting which relates to the student's career objectives. The internship will allow practical experience in a broadcast or journalism area. May be repeated for a maximum of six hours. Internship 3 hours. Prerequisites: Upper division standing and department permission. (Renumbered/restitled from RTV 4923 Radio/Television Internship.)

PUBLIC RELATIONS COURSES (PBRL)

3113* PRINCIPLES OF PUBLIC RELATIONS, 3 hours credit
An introduction to the history, development, and ethical practice of public relations as relationship management between an organization and its public. Emphasis on building a philosophical foundation for the practice of advocacy through public relations. Lecture 3 hours.

3213* PUBLIC RELATIONS WRITING AND PRODUCTION, 3 hours credit
Study and application of current trends and best practices in public relations. Includes instruction in communication methods and tactics, with emphasis on the production and dissemination of strategic communication messages. Lecture 3 hours. Prerequisites: JOUR 3013 and PBRL 3113.

3323* STRATEGIC CAMPAIGN COMMUNICATION, 3 hours credit
This course explores the planning, preparation and presentation of strategic communication campaigns. Emphasis on developing and integrating theories and strategies for campaign communication. Analysis and critique of public relations campaigns. Lecture 3 hours. Prerequisite: PBRL 3113.

3941-3 WORKSHOP, 1-3 hours credit
Public relations workshop designed to give intensive emphasis to a specific area of the profession. May be repeated with a different topic for a total of 6 credit hours. Workshop 1-3 hours.

4413* PUBLIC RELATIONS ETHICS, 3 hours credit
This course explores the nature of public relations from an ethical and philosophical perspective, including ethical decision making in public relations, truth telling, objectivity, and the justification of persuasion use in the marketplace of ideas. Themes of responsible advocacy and representation in the “Courts of Public Opinion” will underscore the course. Lecture 3 hours. Prerequisite: PBRL 3113.

4823 MEDIA INTERNSHIP, 3 hours credit
Supervised work experience in a professional setting which relates to the student's career objectives. The internship will allow practical experience in a broadcast or journalism area. May be repeated for a maximum of six hours. Internship 3 hours. Prerequisites: Upper division standing and department permission. (Renumbered/restitled from RTV 4923 Radio/Television Internship.)

4931-3* SPECIAL TOPICS, 1-3 hours credit
Directed individual or group study of selected topic(s) in public relations. Course may be repeated for a total of up to six credit hours. Independent study/directed readings 1-3 hours. Prerequisite: Junior standing.

4973 PUBLIC RELATIONS INTERNSHIP, 3 hours credit
Field experience in public relations in organizations, business, and industry. Internship/field experience 3 hours. Prerequisite: 12 hours of Journalism and public relations or permission of the instructor.

RADIO/TELEVISION COURSES (RTV)

1013* FUNDAMENTALS OF BROADCASTING, 3 hours credit
Survey of components of broadcasting and other electronic media systems in America, including technical aspects, history, legal and social issues. Lecture 3 hours.

2104* AUDIO AND VISUAL PRODUCTION, 4 hours credit
Production of audio and visual support and layout for multimedia. Not applicable for Communications majors with RTV concentration or RTV minors. Lecture 3 hours, laboratory 3 hours. Prerequisite: MM 1133. (Renumbered to JRMP 1123.)

2113 BROADCAST ANNOUNCING, 3 hours credit
A course designed to meet specific needs of the radio-television announcer; instruction includes drills to develop effective vocal communications as a means of improving radio-television presentation and delivery. Lecture 2 hours, laboratory 3 hours. (Renumbered/restitled to JRMP 1123 Media Performance.)
2213* BASIC RADIO PRODUCTION, 3 hours credit
Introduction to equipment and various aspects of radio station operation. Including: air-checks, commercial production and news. Lecture 3 hours, laboratory 2 hours. (Renumbered/retitled to JRMP 2323 Radio Production.)

2313* BASIC TELEVISION PRODUCTION, 3 hours credit
An introduction to the basic principles, procedures, and techniques of television production. The course includes video control, special effects, operation of cameras and editing machines, composition, lighting, staging, and directing, on-camera announcing and interviewing. Lecture 2 hours, laboratory 3 hours. (Renumbered/retitled to JRMP 2333 TV Studio Production.)

3123* BROADCAST PROGRAMS AND RATINGS, 3 hours credit
Principles governing the selection of programs; preparation of broadcast schedules; and audience measurements. Focus will include program types, rating systems, program and audience analysis in radio, television and cable. Lecture 3 hours. (Renumbered to JRMP 3623.)

3223 ADVANCED RADIO PRODUCTION, 3 hours credit
Theory and practice in the operation of advanced audio recording, and sound creation, and transmission equipment. Lecture 2 hours, laboratory 2 hours. Prerequisite: RTV 2213 or department permission.

3323* TV FIELD PRODUCTION AND EDITING, 3 hours credit
Advanced techniques in field production for commercial and industrial television. Emphasis will be given to pre- and post-production stages, as well as training for independent assignments and "electronic news gathering." Lecture 3 hours, laboratory 2 hours. Prerequisite: RTV 2313.

3353 PRODUCING THE DOCUMENTARY, 3 hours credit
Preparation for the participation in all phases of documentary production. The course will function as a team process with students participating in one or many aspects of the production. May be repeated for a maximum of six hours. Laboratory 6 hours. Prerequisite: Instructor permission. (Renumbered to JRMP 3363.)

3413* BROADCAST NEWS, 3 hours credit
Theories and practices of broadcast news gathering, writing and delivery to develop professional attitude and skills in radio and television news. Lecture 3 hours, laboratory 2 hours. Prerequisite: RTV 1013. (Renumbered to JRMP 3342.)

3513* BROADCAST WRITING, 3 hours credit
Concept and practices of writing for radio and television. Emphasis on writing commercial copy, public service announcements and broadcast news. Lecture 2 hours, laboratory 2 hours. Prerequisites: RTV 1013 and proficiency in typing. (Renumbered to JRMP 3533.)

3911-2 BROADCAST LAB, 1-2 hours credit
Preparation for and participation in all phases of radio and television; may be repeated. Prerequisite: Department permission. (Renumbered/retitled to JRMP 3811-2 Media Practicum.)

3931-3 WORKSHOP, 1-3 hours credit
Workshop designed to give intensive emphasis to a specific area of broadcasting. May be repeated with a different topic for additional credit up to a maximum of six hours. Communication majors can count only three hours of workshop in any communication area toward the communication degree. (Renumbered to JRMP 3721-3.)

4133* BROADCAST MANAGEMENT, 3 hours credit
Intensive investigations into station management functions, advertising and sales, network and labor relations, internal organizational structures, operational procedures, budget planning, and government regulations. Lecture 3 hours. (Renumbered/retitled to JRMP 4653 Media Management.)

4333* CORPORATE VIDEO, 3 hours credit
Theory and uses of video in business and industry including writing, planning, and production, as well as television programs for instructional and corporate applications. Lecture 2 hours, laboratory 3 hours. Prerequisite: RTV 2313. (Renumbered to JRMP 4353.)

4343* GRAPHICS FOR VIDEO PRODUCTION, 3 hours credit
An examination of the principles, procedures, and techniques used in creating graphics for video production. While special emphasis is placed on graphics creation for the television medium, students will explore the use of graphics for non-broadcast applications such as distance or adaptive learning. Lecture 2 hours, laboratory 3 hours. Prerequisites: RTV 2313 and RTV 3323. (Renumbered to JRMP 4233.)

4923 RADIO/TELEVISION INTERNSHIP, 3 hours credit
Supervised work experience in a professional setting which relates to the student's career objectives. The internship will allow practical experience in radio/television. May be repeated for a maximum of six hours. Internship/field experience 3 hours. Prerequisites: Upper division standing and department permission. (Renumbered/retitled to JRMP 4823 Media Internship.)

4941-3* SPECIAL TOPICS, 1-3 hours credit
Directed individual or group study of selected topic(s) in broadcasting. The course may be repeated for credit up to 6 hours. Independent study/directed readings 1-3 hours. Prerequisite: Junior standing. (Renumbered to JRMP 4721-3.)

*Liberal arts and sciences course.
DEPARTMENT OF

CRIMINAL JUSTICE AND SOCIOLOGY

Chair – Jonathan Odo, Professor
Professor: Bausch
Associate Professors: Lee
Assistant Professors: Dudash, Johnson, Kowaluk
Instructors: Hong, Lowe, Smith

The Department of Criminal Justice and Sociology offers programs leading to a Bachelor of Science with a major in Criminal Justice, a Bachelor of Science with a major in Sociology, and an Associate in Applied Science in Criminal Justice. Our academic programs empower students to explore their interests, express their ideas, and experience the pride of uncovering new knowledge.

BACHELOR OF SCIENCE DEGREE
MAJOR IN CRIMINAL JUSTICE (580)

The study of criminal justice encompasses the policies of the criminal justice system, behavioral characteristics of victims, offenders, and practitioners, and the legal framework within which each operates. The department, through the criminal justice curriculum, provides instruction to students interested in careers in law enforcement, corrections, and associated fields as well as to students interested in graduate school or law school.

I. GENERAL EDUCATION REQUIREMENT ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ........................................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .................................................................................. 42 hours
A. Required Core Courses .................................................................................... 27 hours
   CJ 1013, CJ 2073, CJ 2113, CJ 2233, CJ 3003, CJ 3103, CJ 4033, CJ 4133

B. Support Courses .................................................................................................. 15 hours
   At least 9 of these hours must be upper division CJ courses. The remaining 6 hours may be upper division CJ courses, or any other upper division hours.
Departmental approval is required for use of lower division hours.

IV. MINOR REQUIREMENTS .................................................................................. 18 hours
   (An Associate in Applied Science in Criminal Justice or an equivalent Associate degree may be used to satisfy the requirements for a minor. Otherwise, courses used to satisfy major requirements may not be used to satisfy minor requirements.)

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

ASSOCIATE IN APPLIED SCIENCE DEGREE
IN CRIMINAL JUSTICE (550)

The study of criminal justice encompasses the policies and processes of the criminal justice system, behavioral characteristics of victims, offenders and practitioners, and the legal framework within each operates. The curriculum for this AAS degree focuses particularly upon the operations and impact of law enforcement and corrections within the criminal justice system. Successful completion of this program of study prepares graduates for entry level careers in law enforcement or corrections and/or for more advanced education.

I. GENERAL EDUCATION REQUIREMENTS ......................................................... 24 hours
   A. Required Courses .......................................................................................... 18 hours
      ENGL 1113, ENGL 1213, COMM 1113, HIST 1483 or HIST 1493,
      SOCI 1113 or PSY 1113 or FAMS 1123

   B. Approved General Education Electives ......................................................... 6 hours
      MATH 1413 or above or a Biological or Physical Science course (3 hours)
      Humanities (3 hours)

II. MAJOR REQUIREMENTS .................................................................................. 33 hours
   A. Required Courses .......................................................................................... 15 hours
      CJ 1013, CJ 2073, CJ 2113, CJ 2233

   B. Specialization ................................................................................................ 18 hours
      Select either Law Enforcement or Corrections with Support Courses.

      Law Enforcement Specialization
      Law Enforcement courses ............................................................................. 12 hours
      Support courses ............................................................................................. 6 hours
      CORR 2003, CORR 2043, CORR 2053, CORR 2103

      Corrections Specialization
      Corrections courses ......................................................................................... 12 hours
      CJ 2001-3, CJ 2023, CORR 2003, CORR 2023, CORR 2043,
      CORR 2053, CORR 2103
      Support courses ............................................................................................. 6 hours
      LE 2003, LE 2043, LE 2053, LE 2063, LE 2073

III. ELECTIVES TO COMPLETE 64 HOURS REQUIRED FOR GRADUATION

CORRECTIONS COURSES (CORR)

2003* CORRECTIONAL TREATMENT METHODS, 3 hours credit
A study of correctional institutions, methods of correctional treatment and the social services provided to convicted persons and their dependents. An analysis of the criminal behavior that characterizes the different types of offenders. Lecture 3 hours. Prerequisites: CJ 1013 and PSY 1113.

2023* CASE MANAGEMENT, 3 hours credit
This course focuses on the basic principles of case management, including the case manager’s duties and responsibilities, case reports and records, and case management in several types of agencies. The course also includes treatment of issues of confidentiality, human rights, and ethics. Lecture 3 hours.

2043* COUNSELING ADULT AND JUVENILE OFFENDERS, 3 hours credit
Techniques involved in counseling and supervising adult and juvenile offenders. Emphasis is on development of effective communication models and treatment oriented programs for counseling clients in a correctional environment. Focus is on the development of rapport with court directed or court committed adult and juvenile offenders. Lecture 3 hours. Prerequisites: CJ 1013 and PSY 1113.

2053* COMMUNITY CORRECTIONS, 3 hours credit
Role and structure of state pardon and parole boards; options of the governor; legal duties of pardon and parole boards, parole probation officers, rights of inmates to be considered for parole; effects of parole actions on the community; legal limitations placed on parolees, revocation of parole. Lecture 3 hours. Prerequisite: CJ 1013.
2013* LAW OF CORRECTIONS, 3 hours credit
An in-depth analysis of the evolution and current status of law governing correctional institutions, prisoner's rights, and relationship to society. Lecture 3 hours. Prerequisite: CJ 1013.

CRIMINAL JUSTICE COURSES (CJ)

1013* INTRODUCTION TO CRIMINAL JUSTICE, 3 hours credit
A study of the historical development of the criminal justice system, contemporary agencies, and processes involved in the system. Introduction to the three main components of the criminal justice system: police, courts and corrections. Lecture 3 hours.

1023* COMMUNITY RELATIONS, 3 hours credit
Critical consideration of the criminal justice system's capacity to deal with crime, and its relationship to the citizenry. Emphasis on programs to provide effective community relations. Lecture 3 hours. Prerequisite: CJ 1013.

1113* APPLIED CRIMINOLOGY, 3 hours credit
Applications of criminology in the criminal justice system. An overview of past, present, and future trends in crime causation. Lecture 3 hours. Prerequisite: CJ 1013 or concurrent enrollment.

2001-3* SPECIAL PROBLEMS IN CRIMINAL JUSTICE, 1-3 hours credit
An analysis of a selected problem or special topic in criminal justice, corrections and/or law enforcement. May be repeated, with different topics, for a total of 6 hours credit. Lecture 1-3 hours. Prerequisites: Sophomore standing and department permission.

2013* INTRODUCTION TO LAW ENFORCEMENT, 3 hours credit
An introduction to the philosophy and application of law enforcement. An examination of the types and methods of patrol activities and their tactical considerations. The powers and limitations of the law enforcement officer as revealed in case studies and the decision-making considerations required by law enforcement officers. Lecture 3 hours. Prerequisite: CJ 1013.

2023* CRIMINAL JUSTICE REPORTING 3 hours credit
This course focuses on the preparation and use of standardized criminal justice reports and forms used to document facts and circumstances. The application of these documents in corrections, law enforcement, the judiciary, and the private sector is included. Lecture 3 hours. Prerequisites: CJ 1013 and ENGL 1113.

2073* INTRODUCTION TO CORRECTIONS, 3 hours credit
A general introduction to American corrections, including theories of punishment, social systems within correctional institutions, correctional history, contemporary prison issues, juvenile corrections and community corrections. Lecture 3 hours.

2113* CRIMINAL LAW, 3 hours credit
A review of criminal law. The administration of justice as it exists in the municipality under state statutes. The rights and privileges of the accused and the jurisdiction of violators. Lecture 3 hours.

2233* AMERICAN COURTS, 3 hours credit
This course provides students with an understanding of the recognized functions of Courts in the American Criminal Justice System. It will address jurisdiction, policies, and procedures of courts in the administration of criminal justice, including trial and appellate courts. Courts will be examined at the local, state, and federal levels. Lecture 3 hours. Prerequisite: CJ 1013.

3003* JUVENILE JUSTICE SYSTEM, 3 hours credit
The study of the juvenile justice system in the United States. Juvenile crime, the courts, community services, including prevention and rehabilitation of juveniles. Lecture 3 hours. Prerequisites: CJ 1013, CJ 1113, and CJ 2113.

3013* ORGANIZED AND WHITE COLLAR CRIME, 3 hours credit
A study of organized and white collar crime strategies and techniques used to combat them. Lecture 3 hours. Prerequisites: CJ 1013 and CJ 2113.

3023* VICTIMOLOGY, 3 hours credit
Comprehensive study of victimization; analysis of contemporary victim-assistance and victim compensation programs and related research; review of the historical importance of victim restitution as a basis for punitive criminal law. Lecture 3 hours. Prerequisites: 12 hours of CJ or department permission.

3033* CONCEPTS OF CRIMINAL JUSTICE, 3 hours credit
A study of current and emerging theories and concepts in criminal justice. May be repeated with different topics for a total of 6 hours credit. Lecture 3 hours. Prerequisite: 12 hours of CJ or department permission.

3043* MANAGEMENT OF CORRECTIONAL SYSTEMS, 3 hours credit
The management of correctional systems, public and private. Includes organizational theory supervision, planning, management styles, public relations, security issues, information systems and liability issues in correctional agencies. Lecture 3 hours. Prerequisites: CJ 1013 and CJ 2073 or instructor's permission.

3053* EVIDENCE, 3 hours credit
A study of the procedures for conducting civil litigation and criminal trials. Lecture 3 hours. Prerequisites: PS 1113, CJ 1013, and CJ 3063.

3063* CRIMINAL PROCEDURES, 3 hours credit
An examination of constitutional case law as decided by the Appellate Courts and U.S. Supreme Court. Focus is on the criminal justice system and its relation to government powers and citizen's constitutional rights. Lecture 3 hours. Prerequisites: CJ 1013 and CJ 2113.

3103* THEORIES OF CRIME, 3 hours credit
Theoretical explanations of etiology of crime (i.e., theories from biological, psychological, sociological, geographic, economic, and political perspectives). The nature and extent of crime, historical development of criminological theory, and analysis of crime control and its implications. Lecture 3 hours. Prerequisite: CJ 1013.

3113* ETHICS IN CRIMINAL JUSTICE, 3 hours credit
This course discusses professional conduct of Criminal Justice practitioners. The institutional actors of the Criminal Justice system are granted a certain degree of discretion required for performing their jobs and this course will analyze the ethical boundaries of such discretion. Lecture 3 hours. Prerequisite: CJ 1013.

3723 INTERNSHIP IN CRIMINAL JUSTICE, 3 hours credit
Placement of advanced criminal justice majors in community-based agencies for career development. Involves frequent contact with faculty supervisor and off-campus supervisor evaluation. May be repeated for a total of 6 hours credit. Internship 3 hours. Prerequisites: CJ major, junior standing, and instructor permission.

4023* TERRORISM, 3 hours credit
An analysis of terrorism and how our criminal justice system deals with this problem in both the national and international arenas. Definition, structure, causes, methods and treatment/prevention of terrorism, and coping with hostage situations. Lecture 3 hours. Prerequisite: CJ 1013 or junior standing or department permission.

4033* RESEARCH METHODS AND STATISTICS, 3 hours credit
This course is an introduction to Social Science research. Basic methodological and statistical (applied) issues in Criminology and Criminal Justice will be discussed. Designed to provide students with a foundation in Social Science research methods. Lecture 3 hours. Prerequisite: MATH 1513 and Junior standing.
4133 CRIMINAL JUSTICE ADMINISTRATION, 3 hours credit
The administration of criminal justice agencies. Includes organization theory, supervision, planning, personnel policies, management styles, public relations and budgeting in law enforcement, judicial and corrections agencies. Lecture 3 hours. Prerequisite: CJ 1013 or PS 2713 or junior standing or department permission.

4143 SEXUAL ABUSE AND THE CRIMINAL JUSTICE SYSTEM, 3 hours credit
An examination of the problems of sexual abuse and its treatment by the criminal justice system. Sexual abuse issues including legal definition, causes, identification, prevention/treatment for victims and perpetrators, types and how the criminal justice system responds. Lecture 3 hours. Prerequisite: Junior standing or department permission.

4153 DEATH PENALTY, 3 hours credit
An examination of the problems and issues related to the death penalty in the United States, including the history of capital punishment, important Supreme Court decisions, how the various jurisdictions (state, federal and military) deal with the capital cases, the comparative costs of incarceration and execution, miscarriages of justice in capital cases and how the criminal justice responds to these issues. Lecture 3 hours. Prerequisites: Junior standing or department permission.

4491-3* SELECTED TOPICS IN CRIMINAL JUSTICE, 1-3 hours credit
An intensive analysis of a selected problem related to criminal behavior and the commission of crime or another special topic in criminal justice. May be repeated with different topics for a total of 6 hours credit. Lecture 1-3 hours. Prerequisite: Junior standing, CJ major or instructor’s permission.

4503 COMPARATIVE CRIMINAL JUSTICE SYSTEMS, 3 hours credit
A comparative study of selected criminal justice systems existing in the world. Lecture 3 hours. Prerequisites: CJ 1013, PS 1113, or junior standing and instructor’s permission.

4591-3* INDEPENDENT STUDY IN CRIMINAL JUSTICE, 1-3 hours credit
Intensive independent reading on or study of a specific criminal justice problem or subject, based on a pre-approved outline or plan, with regular conferences with the instructor and submission of extensive written work. May be repeated with different topics for a total of 6 hours credit. Independent study/directed readings 1-3 hours. Prerequisites: CJ major, junior standing, and instructor’s permission.

LAW ENFORCEMENT COURSES (LE)

2003 SECURITY CONCEPTS, 3 hours credit
A study of techniques used in providing security to government, industry, business, and private institutions. The functions of criminal justice personnel in crime prevention management. Lecture 3 hours. Prerequisites: CJ 1013 and CJ 1113.

2043 COMMUNITY POLICING, 3 hours credit
The concept and application of community policing in law enforcement. The course will include a discussion of the role of community involvement, interaction with community organizations, complex problem solving, and effective techniques for the reduction of opportunities for crime. Lecture 3 hours. Prerequisites: CJ 1013 and CJ 1113.

2053 METHODS OF INVESTIGATION I, 3 hours credit
Specific topics include crime scene protection, interviewing witnesses, and chain of custody issues. Lecture 3 hours. Prerequisites: CJ 1013, CJ 2113 and CJ 1113.

2063 METHODS OF INVESTIGATION II, 3 hours credit
The role of law enforcement personnel in the preparation of a case for presentation in court. Coverage will include successful case management techniques that encompass current and emerging forensic technologies. Lecture 3 hours. Prerequisites: LE 2053.
2233* SOCIOLOGICAL RESEARCH METHODS, 3 hours credit
Introduction to the basic concepts of sociological research. Topics include research design, conceptualization and measurement, sampling, qualitative and quantitative data collection techniques, and analyses of data. Lecture 3 hours. Prerequisite: SOCI 1113.

2503* POPULAR CULTURE, 3 hours credit
A study of culture as the mass production, circulation, and consumption of visual texts and behavioral practices in multiple forms. Attention is given to how patterns of social life popular culture depicts, how it molds and fractures local cultures, how it solidifies group identities and blends individual differences, and what it reveals about class-gender-race relations. The course stresses interpretive analyses and theories advanced in the field. Lecture 3 hours.

3003* DEViant BEHAVIOR, 3 hours credit
The course consists of an overview of sociological theories of deviant behavior, along with a discussion of various types of deviant behavior, including violent and property crime, mental illness, diverse lifestyles, substance use and abuse, and white-collar/corporate crime. Lecture 3 hours. Prerequisite: SOCI 1113.

3013* Racial AND CULTURAL MINORITIES, 3 hours credit
Investigation of the sociological processes of a racially and culturally heterogeneous society; migration, accommodation, assimilation, amalgamation, segregation, pluralism. Lecture 3 hours. Prerequisite: SOCI 1113 or SOCI 2023.

3123* SOCIOLOGICAL THEORY, 3 hours credit
A study of major explanations on social conflict, change, integration, interaction, network, and modernity. Attention is given to general orientations and basic concepts underlying Marxism, critical theory, system theory, interactionism, ethnomethodology, and functionalism. The course stresses Marx, Weber, and Durkheim in relation to social criticism, social evolution, and social modernity respectively, on one hand and, on the other, their contemporary relevance and theoretical offshoots in the field. Lecture 3 hours. Prerequisite: SOCI 1113.

3223 SOCIAL PSYCHOLOGY, 3 hours credit
This course examines social psychological phenomena from a sociological perspective. Topics covered include socialization, attitudes, communication, aggression, group behavior, and gender roles. Lecture 3 hours. Prerequisite: SOCI 1113.

3323* COLLECTIVE BEHAVIOR AND SOCIAL MOVEMENTS, 3 hours credit
A study of the episodic and enduring collective actions through various research and perspectives on fad, riot, crowd, protest, public, and social movements. Attention is given to how collective actions unfold and how they are sustained in relation to emergence, participation, mobilization, organization, strategy, outcome, movement ideology, and social-political environments. The course stresses the questions that competing perspectives and different research ask about collective actions and characteristic ways that they try to answer them. Lecture 3 hours. Prerequisite: SOCI 1113.

3334* POLITICAL SOCIOLOGY, 3 hours credit
A study of politics as politicized everyday social world and as interrelated activities that shape and are shaped by established institutions. Attention is given to: (a) politics at the level of nation-states such as politics and religion, forms of political rule and authority, global sociology and its political outcomes; (b) politics at the level of politicized social world such as contentious protests of historically marginalized minorities and the broadening of political arena toward the realm of culture and identity; and (c) corporate-class politics or the preponderant power of corporate communities over policy issues. Lecture 3 hours. Prerequisite: SOCI 1113.

3353* SOCIAL DEMOGRAPHY, 3 hours credit
An analysis of the influence of social and cultural settings on natality, mortality and migration. This course also includes an assessment of the impact of demographic change on social systems. Lecture 3 hours. Prerequisite: SOCI 1113.

4003* CRIMINOLOGY, 3 hours credit
This course introduces the student to the study of criminal behavior, including theoretical explanations of this behavior from a sociological perspective. Topics include: violent crime, property crime, occupational crime, corporate crime, and political crime. Lecture 3 hours. Prerequisites: SOCI 1113 and junior standing.

4013* JUVENILE DELINQUENCY, 3 hours credit
This course examines the trends and nature of delinquency in the U.S., with an emphasis on theoretical explanations of delinquency from a sociological perspective. Larger social contexts will also be considered, including the role of schools, peers, community, and the family. Aspects of the juvenile justice system in the U.S. will also be examined. Lecture 3 hours. Prerequisite: SOCI 1113 and junior standing.

4103* SOCIOLOGY OF RELIGION, 3 hours credit
A study of religion as a social institution organized into groups. Attention is given to social explanations of religious beliefs and rituals, as well as institutional aspects of religious socialization and organization. The course stresses how the principles of group life impinge on religion, how conflict figures commonly in religious organization, what constitutes church-sec continuum, what differentiates denominations from "alternative" religions, how religion relates to race/ethnicity, class, politics, economy, social reproduction, and to social change, and what explains secularization and fundamentalism. Lecture 3 hours. Prerequisites: SOCI 1113 and junior standing.

4213* SOCIAL STRATIFICATION, 3 hours credit
A study of social inequality, with emphasis on the class structure of the United States and its consequences for the individual, groups, and society. Lecture 3 hours. Prerequisites: SOCI 1113 and junior standing.

4303* GLOBALIZATION AND DEVELOPMENT, 3 hours credit
This course examines the causes and consequences of globalization. Issues are examined from a changing historical context of economy, politics, and culture. Lecture 3 hours. Prerequisites: SOCI 1113 and junior standing.
4403* DOMESTIC VIOLENCE, 3 hours credit
A focus on child, spouse, and elderly abuse with a discussion of services available to the abused. Social influences will be examined that may cause or reinforce violent behavior in the home. Lecture 3 hours. Prerequisites: SOCI 1113 and SOCI 3403 or FAMS 1123.

4491-3* INDEPENDENT STUDY, 1-3 hours credit
Independent study of sociologically relevant topics not covered in current sociology courses. May be repeated with a different topic for a total of 3 credit hours. Independent study 1-3 hours. Prerequisites: Student must be a sociology major, have completed 15 hours of sociology coursework, and junior standing.

4533 HUMAN SERVICES COUNSELING STRATEGIES, 3 hours credit
A study of counseling and interviewing strategies useful in a human service context. Role playing using such techniques as paraphrasing, reflecting, and open questions will be part of the classroom experience. Lecture 3 hours. Prerequisites: SOCI 1113, SOCI 3513, and junior standing.

4593* SELECTED TOPICS IN SOCIOLOGY, 3 hours credit
An intensive analysis of a selected problem or topic in Sociology. May be repeated with a different topic for a total of 6 hours credit. Lecture 3 hours. Prerequisites: SOCI 1113 and junior standing.

4903* SOCIOLOGY CAPSTONE, 3 hours credit
This course provides an overview of the major concepts in sociology with an emphasis on the integration of these concepts at an advanced level. This course will also cover career options and graduate education in sociology. Sociology program assessment is a component of the course. Sociology majors are required to take this course during their Senior year. Capstone 3 hours. Prerequisites: Student must be a sociology major, have taken SOCI 1113, SOCI 2013, SOCI 2223, and completed at least 18 credit hours of sociology coursework.

DEPARTMENT OF
ENGLISH AND FOREIGN LANGUAGES

Chair ~ John Hodgson, Associate Professor
Professors: Kingsley, Lubrano, Morris, Thomlinson, Underwood
Associate Professors: Carney, Jones
Assistant Professors: Baillargeon, Godsave, Hall, Liu, McCormick, Monassar, Tyrell
Instructors: Godwin, Garrett, Grooms, Honeycutt, King, McGrath, Rudolph, Santiago, Younger
Assistant Director, Language Learning Center: Carter

The Department of English and Foreign Languages offers programs leading to a Bachelor of Arts degree with a major in English, a Bachelor of Arts degree with a major in English Education, a Bachelor of Arts degree with a major in International Languages, and a Bachelor of Arts degree with a major in Romance Languages Education. The department also offers minors in English, Professional Writing, Foreign Languages, French, German, Latin, and Spanish.

BACHELOR OF ARTS DEGREE
MAJOR IN ENGLISH (120)

This degree has two emphases: Literature and Creative Writing. The Literature emphasis is designed for students contemplating graduate work, including law school; for students desiring careers in technical writing, editing, public relations and the like; and for students desiring a broad general background in literature. The Creative Writing emphasis is designed for students who wish to become professional writers or to work in other capacities in the publishing industry.

I. GENERAL EDUCATION REQUIREMENTS .............................................................. 44 hours

II. UNIVERSITY REQUIREMENTS .............................................................................. 1-3 hours UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ....................................................................................... 45 hours
   A. Required Core Courses ...................................................................................... 21 hours
      PRWR 2013, ENGL 3003, ENGL 3113, ENGL 3303 or PRWR 3003,
      ENGL 3813, ENGL 4993 and one of the following: ENGL 3023,
      ENGL 3033, ENGL 3043, ENGL 3053, ENGL 3063 or ENGL 3073.
   B. Options .................................................................................................................. 24 hours
      All English majors must complete one of the following options:
      Literature Option
      Survey courses ......................................................................................................... 6 hours
      Choose from the following: ENGL 3023, ENGL 3033, ENGL 3043,
      ENGL 3053, ENGL 3063, or ENGL 3073
      Other required courses .......................................................................................... 9 hours
      ENGL 4023, and ENGL 4133 or ENGL 4143 or ENGL 4153, and
      ENGL 4613 or ENGL 4623 or ENGL 4633
      Electives .................................................................................................................. 9 hours
      9 hours with no more than 6 hours of 1000 or 2000 level courses.
      Creative Writing Option
      Required courses ..................................................................................................... 15 hours
      ENGL 2333, and PRWR 3003 or PRWR 3013, and
      PRWR 3103 or PRWR 3203 or PRWR 3403, and PRWR 3991-3,
      and PRWR 4961-3.
      Electives .................................................................................................................. 9 hours
      9 hours with no more than 6 hours of 1000 or 2000 level courses.

*Liberal arts and sciences course.
IV. MINOR REQUIREMENTS...................................................................................................... 18 hours

Cameron University/112

CPT Sentence Skills test. Individual conferences are arranged as needed. Does not satisfy degree requirement for any degree program at Cameron University. Lecture 3 hours.

0111 COLLEGE WRITING SKILLS, (Remedial/Developmental Course)

Supplemental instruction in college writing skills under direction of Writing Center staff. Students must be concurrently enrolled in ENGL 0103 Basic Composition Skills or ENGL 0113 Developmental Writing. Does not satisfy any degree requirement for any degree program at Cameron University. Lecture 1 hour.

0113 DEVELOPMENTAL WRITING, (Remedial/Developmental Course)

Provides practice in reading, writing and interpretation for students whose experiences as writers have not prepared them for ENGL 1113. Attention to the development of language skills is integrated into the course’s primary emphasis on essay writing. Required for entering students who score greater than 15 but less than 19 on the ACT English test and for adult students who score greater than 64 but less than 96 on the CPT Sentence Skills test. Individual conferences are arranged as needed. Does not satisfy any degree requirement for any degree program at Cameron University. Lecture 3 hours.

0403 ENGLISH FOR ACADEMIC PURPOSES I, (Remedial/Developmental Course)

This course is designed to prepare intermediate-level ESL students for academic reading/writing and listening/speaking tasks in college. Attention to the development of language skills is integrated into the course’s emphasis upon writing paragraphs and short essays. May be used as an alternative to ENGL 0103 by students for whom English is a foreign language and who score below a 16 on the ACT English test or above 15 but below 19 on the CPT Sentence Skills Test. Does not satisfy degree requirements for any degree program at Cameron University. Lecture 3 hours.

0413 ENGLISH FOR ACADEMIC PURPOSES II, (Remedial/Developmental Course)

This course is designed to prepare high-intermediate and advanced ESL students for higher level academic reading/writing and listening/speaking tasks in college. Attention to the development of language skills is integrated into the course’s emphasis upon essay writing. May be used as an alternative to ENGL 0113 by students for whom English is a foreign language and who score above 15 but below 19 on the English ACT test or above 64 but below 96 on the CPT Sentence Skills Test. Does not satisfy degree requirements for any degree program at Cameron University. Lecture 3 hours.

0512 SUPPLEMENTAL WRITING INSTRUCTION, (Remedial/Developmental Course)

Writing tutorial providing remediation and support for those students who are enrolled in ENGL 1113 who score less than 19 on the ACT English test or less than 96 on the CPT Sentence Skills Test. Does not satisfy degree requirements for any degree program at Cameron University. Lecture 2 hours. Co-requisite: ENGL 1113.

III. MAJOR REQUIREMENTS...................................................................................................... 74 hours

A. Required Core Courses .................................................................................................. 41 hours

ENGL 3003, ENGL 3023, ENGL 3033, ENGL 3043, ENGL 3053, ENGL 3063, ENGL 3073, ENGL 3113, ENGL 3003, ENGL 4613, ENGL 4623, ENGL 4773, and English electives (5 hours).

B. Required Education Courses ......................................................................................... 33 hours

EDUC 1800, EDUC 3003, EDUC 3612*, EDUC 3673, EDUC 3733, EDUC 3753(R), EDUC 4313(R), EDUC 4653(R), EDUC 4965*(R), EDUC 4975*(R), and SPED 3103.

*Should be taken in the professional semester

(R)Restricted to students admitted to Teacher Education

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

English Education candidates must achieve a grade of C or better in all major courses (required core courses and required education courses) to receive credit toward a degree. If a grade of D, F, or U is achieved, the course must be repeated.

English Education candidates must demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages by passing a Department of English and Foreign Languages proficiency test or by taking a foreign language course.

Teacher Licensure/Certification

Student who complete the requirements for this degree and pass the state tests for certification in English Education will be eligible to apply for a standard teaching license.

ENGLISH COURSES (ENGL)

0103 BASIC COMPOSITION SKILLS, (Remedial/Developmental Course)

Introduces students to and provides practice in reading, writing, and interpretation. Intended for students whose experiences as writers have not prepared them for ENGL 0113. Attention to the development of language skills is integrated into the course’s primary emphasis upon essay writing. Required for entering students who score below 16 on the ACT English test and for adult students who score below 65 on the CPT Sentence Skills test. Individual conferences are arranged as needed. Does not satisfy degree requirement for any degree program at Cameron University. Lecture 3 hours.

0111 COLLEGE WRITING SKILLS, (Remedial/Developmental Course)

Supplemental instruction in college writing skills under direction of Writing Center staff. Students must be concurrently enrolled in ENGL 0103 Basic Composition Skills or ENGL 0113 Developmental Writing. Does not satisfy any degree requirement for any degree program at Cameron University. Lecture 1 hour.

0113 DEVELOPMENTAL WRITING, (Remedial/Developmental Course)

Provides practice in reading, writing and interpretation for students whose experiences as writers have not prepared them for ENGL 1113. Attention to the development of language skills is integrated into the course’s primary emphasis on essay writing. Required for entering students who score greater than 15 but less than 19 on the ACT English test and for adult students who score greater than 64 but less than 96 on the CPT Sentence Skills test. Individual conferences are arranged as needed. Does not satisfy any degree requirement for any degree program at Cameron University. Lecture 3 hours.

0403 ENGLISH FOR ACADEMIC PURPOSES I, (Remedial/Developmental Course)

This course is designed to prepare intermediate-level ESL students for academic reading/writing and listening/speaking tasks in college. Attention to the development of language skills is integrated into the course’s emphasis upon writing paragraphs and short essays. May be used as an alternative to ENGL 0103 by students for whom English is a foreign language and who score below a 16 on the ACT English test or above 15 but below 19 on the English ACT test or above 64 but below 96 on the CPT Sentence Skills Test. Does not satisfy degree requirements for any degree program at Cameron University. Lecture 3 hours.

0413 ENGLISH FOR ACADEMIC PURPOSES II, (Remedial/Developmental Course)

This course is designed to prepare high-intermediate and advanced ESL students for higher level academic reading/writing and listening/speaking tasks in college. Attention to the development of language skills is integrated into the course’s emphasis upon essay writing. May be used as an alternative to ENGL 0113 by students for whom English is a foreign language and who score above 15 but below 19 on the English ACT test or above 64 but below 96 on the CPT Sentence Skills Test. Does not satisfy degree requirements for any degree program at Cameron University. Lecture 3 hours.

0512 SUPPLEMENTAL WRITING INSTRUCTION, (Remedial/Developmental Course)

Writing tutorial providing remediation and support for those students who are enrolled in ENGL 1113 who score less than 19 on the ACT English test or less than 96 on the CPT Sentence Skills Test. Does not satisfy degree requirements for any degree program at Cameron University. Lecture 2 hours. Co-requisite: ENGL 1113.

1113* ENGLISH COMPOSITION I, 3 hours credit

Regular practice in reading and interpreting college-level texts and in writing expository essays that synthesize, incorporate and document the use of those texts to develop proficiency in critical thinking, reading, and writing. Lecture 3 hours. General Education, Communication.

1123* HONORS COMPOSITION I, 3 hours credit

Reading and discussion of essays which serve as models of style, point of view, and logic. Emphasis on composition and rhetoric to develop written proficiency. An interdisciplinary approach to course content is included. Lecture 3 hours. Prerequisite: Instructor permission or English ACT score of 23 or higher. General Education, Communication.

1213* ENGLISH COMPOSITION II, 3 hours credit

Continued training and practice in composition with an emphasis on argumentation. Critical and logical thinking will be developed through the interpretation of a range of texts and through the composition of a series of argumentative essays, at least one of which will be a research paper that uses MLA style. Lecture 3 hours. Prerequisite: ENGL 1113 or ENGL 1123. General Education, Communication.
1223* HONORS COMPOSITION II, 3 hours credit
Reading and discussion of short stories, poetry, drama, and novels as an introduction to literary appreciation. Emphasis on written critical analysis of specific works. Lecture 3 hours. Prerequisite: ENGL 1123 or a grade of "A" in ENGL 1113 or instructor permission. General Education, Communication.

2013* POPULAR FICTION, 3 hours credit
Reading and discussion of twentieth-century short stories and novels. Lecture 3 hours. Prerequisite: ENGL 1213. General Education, Humanities – Aesthetics.

2053* FILM AS LITERATURE, 3 hours credit
The study of film as an educational, verbal, and visual medium for storytelling. Emphasis on literature adapted for film and on literary aspects of non-adapted great films. Lecture 3 hours. General Education, Humanities – Aesthetics.

2313* AFRICAN AMERICAN LITERATURE, 3 hours credit
A survey of writings by African American authors from Colonial times to the present. Lecture 3 hours. General Education, Humanities – Aesthetics and Humanities – Diversity.

2323* AMERICAN INDIAN LITERATURE, 3 hours credit
Examination of Native American literature, with emphasis on contemporary authors. Attention is directed to traditional myths and legends as they relate to contemporary themes. Lecture 3 hours. General Education, Humanities – Aesthetics and Humanities – Diversity.

2333 INTRODUCTION TO TECHNICAL WRITING, 3 hours credit
Introduces individual or group study of selected topics or problems in Language Arts. Areas of study will vary from semester to semester. The course may be repeated for additional credit with departmental permission. Independent study/directed readings 0-3 hours. Prerequisites: As listed for each separate offering, and/or department permission.

2980-3* SELECTED TOPICS IN LANGUAGE ARTS, 0-3 hours credit
Directed individual or group study of selected topics or problems in Language Arts. Areas of study will vary from semester to semester. The course may be repeated for additional credit with departmental permission. Independent study/directed readings 0-3 hours. Prerequisites: As listed for each separate offering, and/or department permission.

2413* THE BIBLE AS LITERATURE, 3 hours credit
A literary approach to the Old and New Testaments. Students analyze form, structure and influence of representative biblical literature. Lecture 3 hours. Prerequisite: ENGL 1213.

3023* SURVEY OF AMERICAN LITERATURE TO 1865, 3 hours credit
A survey of American literature from its beginning to Whitman. Lecture 3 hours. Prerequisite: ENGL 1213.

3033* SURVEY OF AMERICAN LITERATURE SINCE 1865, 3 hours credit
A survey of American literature from Whitman to the present. Lecture 3 hours. Prerequisite: ENGL 1213.

3043* SURVEY OF ENGLISH LITERATURE TO 1800, 3 hours credit
A survey of English literature from its beginning to the close of the eighteenth century. Lecture 3 hours. Prerequisite: ENGL 1213.

3053* SURVEY OF ENGLISH LITERATURE SINCE 1800, 3 hours credit
A survey of English literature from the beginning of the nineteenth century to the present. Lecture 3 hours. Prerequisite: ENGL 1213.

3063* SURVEY OF WORLD LITERATURE THROUGH THE RENAISSANCE, 3 hours credit
Readings in world literature from classical antiquity to 1700, with emphasis on major authors. Lecture 3 hours. Prerequisite: ENGL 1213.

3073* SURVEY OF WORLD LITERATURE SINCE THE RENAISSANCE, 3 hours credit
Reading of major works in world literature from the post-Renaissance period to the present. Lecture 3 hours. Prerequisite: ENGL 1213.

3113* SHAKESPEARE, 3 hours credit
Interpretation and criticism of selected works of Shakespeare. Lecture 3 hours.

3303* ADVANCED COMPOSITION, 3 hours credit
Critical scrutiny of the structure and style of prose. Study of how rhetorical principles are used and can be taught. Frequent papers. Lecture 3 hours.

3813* LITERARY THEORY, 3 hours credit
An examination of the concepts that guide evaluation, interpretation, and appreciation of literature. Students will acquaint themselves with different theoretical approaches to literature and apply those approaches to specific texts so as to better understand the role of literary theory in the study of literature. Lecture 3 hours. Prerequisite: ENGL 3003.

3881-3* WORKSHOP, 1-3 hours credit
Designed to emphasize special topics in English and the Language Arts. May be repeated with department permission. Workshop 1-3 hours.

4013* MAJOR AUTHORS, 3 hours credit
Intensive study of one or more major authors. Topics may include Chaucer, Milton, Wordsworth, Hawthorne, Dickinson, Hemingway, Morrison, Chekov, Dostoevsky, and others. May be repeated to a total of 6 hours. Lecture 3 hours.

4023* STUDIES IN GENRE, 3 hours credit
Intensive study of a literary genre, with particular attention to formal characteristics and conventions and how they change over time. Topics may include the English novel, the modern English novel, the American novel, the contemporary American novel, modern American and British poetry, contemporary poetry, American drama, and others. May be repeated to a total of 6 hours. Lecture 3 hours.

4053* SEMINAR IN LITERATURE, 3 hours credit
Investigation of one or more authors or a topic of special interest such as a literary theme, movement or form. The topic varies from semester to semester. Students may repeat ENGL 4053 once for credit but may not elect the same topic. Seminar 3 hours. Prerequisite: Departmental approval.

4133* STUDIES IN AMERICAN LITERARY HISTORY, 3 hours credit
Intensive study of a period in American literary history, with particular attention to the relationship between literature and cultural context. Topics may include colonial literature, the American Renaissance, realism and naturalism, American modernism, and American post-modernism. May be repeated to a total of 6 hours. Lecture 3 hours.

4143* STUDIES IN BRITISH LITERARY HISTORY, 3 hours credit
Intensive study of a period in British literary history, with particular attention to the relationship between literature and cultural context. Topics may include British medieval literature, British renaissance literature,
British literature of the Restoration and 18th century, British romanticism, Victorian literature, British modernism, and British post-modernism. May be repeated to a total of 6 hours. Lecture 3 hours.

4153 *STUDIES IN WORLD LITERATURE, 3 hours credit
Intensive study of a topic in world literature. Material studied may include Caribbean literature, European literature, African literature, Asian literature, Central and South American literature, literature of the Indian subcontinent, and others, and may be organized geographically, historically, or thematically. May be repeated to a total of 6 hours. Lecture 3 hours.

4613* ENGLISH LINGUISTICS, 3 hours credit
A linguistic approach to the phonology, morphology, and syntax of the English language, with attention given to semantics and to the origins and development of the language. Lecture 3 hours.

4623* ADVANCED GRAMMAR AND USAGE, 3 hours credit
A review of formal English grammar; improvement and practice in functional grammar and usage. Lecture 3 hours.

4633* RHETORIC: THEORY AND APPLICATION, 3 hours credit
A study of traditional and current rhetorical theories with applications for teachers and writers. Consideration is given to discovery of ideas, organization of materials, style, rhetorical stance, and audience analysis. Lecture 3 hours.

4643* OLD AND MIDDLE ENGLISH, 3 hours credit
A study of Old and Middle English, with readings in prose and poetry. Lecture 3 hours. Prerequisite: ENGL 4613 or permission of the department.

4773 TEACHING OF ENGLISH, 3 hours credit
An introduction to methods and materials in teaching high school English. Teacher Certification students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours, laboratory 2 hours. Prerequisite: department permission.

4961-3* DIRECTED READINGS IN ENGLISH, 1-3 hours credit
Intensive independent reading and research on a selected topic, writer, or movement in literature or language, under the supervision of a qualified member of the faculty. May be repeated to a total of 6 hours. Independent study/directed readings 1-3 hours. Prerequisite: permission of the Chair.

4983 WRITING INTERNSHIP, 3 hours credit
Field experience in writing under close supervision of a field-based supervisor and professor. May be repeated once. Internship/field experience 3 hours. Prerequisites: 12 hours of writing courses not including ENGL 1113 or 1213 and permission of the chair.

4993* ENGLISH CAPSTONE, 3 hours credit
Relevant reading and discussion assists graduating English majors in reflecting on their own growth as readers and writers of text over their undergraduate careers and in synthesizing material from various individual courses into a more meaningful understanding of the discipline as a whole. The course also helps prepare students for the workplace and/or graduate school. To be taken in the student’s final semester. Lecture 3 hours.

PROFESSIONAL WRITING COURSES (PRWR)

2013* INTRODUCTION TO CREATIVE WRITING, 3 hours credit
A beginning level course for persons interested in writing literary fiction and/or poetry. Lecture 3 hours. Prerequisite: ENGL 1213 or department permission.
BACHELOR OF ARTS DEGREE
MAJOR IN INTERNATIONAL LANGUAGES (185)

This degree provides students the opportunity to develop language combinations tailored to their interests and career goals. Students choose both a primary language from options that include Arabic, French, German, Latin, or Spanish and a secondary language from options that include Arabic, Chinese, French, German, Italian, Latin, Russian, or Spanish. Language electives may be selected from approximately 50 world languages. All course work emphasizes the development of both written and oral language proficiency.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ..............................................................................1-3 hours
    UNIV 1001 or 1113

III. MAJOR REQUIREMENTS* ..................................................................................... 45 hours
    *21 hours must be upper division.
    A. Primary Language ......................................................................................... 24 hours
       Arabic, French, German, Latin or Spanish
    B. Secondary Language ....................................................................................... 12 hours
       Arabic, Chinese, French, German, Italian, Latin, Russian, or Spanish
    C. Language Electives .......................................................................................... 6 hours
       Choose from courses in the following prefixes: ALBN, ARBC, CHNS, CLSC, CMCH, CELN, DARI, DTCH, FREN, GERM, ITAL, LANG, LATIN, PHTO, PORT, PRSN, PLSH, ROMN, RUSN, SPAN, SMLI, SWLL, or TURK
    D. Linguistics .......................................................................................................... 3 hours
       LING 4113

IV. MINOR REQUIREMENTS ....................................................................................... 18 hours
    International Languages majors are strongly urged to consider English, Geography, Political Science, Economics, Marketing, or Management as minors.

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

BACHELOR OF ARTS DEGREE
MAJOR IN ROMANCE LANGUAGES EDUCATION (186)

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
    The Romance Languages Education program requires specific courses for meeting General Education requirements in behavioral science and humanities as follows:
    Behavioral Science – PSY 1113
    Humanities – 3 hours chosen from: HIST 2113 or 2223 or PHIL 1113 and 3 hours chosen from: ART 1013, ART 2613, ART 2623, THTR 1103, FNAR 1013, MUSC 1013, MUSC 1023, MUSC 1033, or MUSC 1413

II. UNIVERSITY REQUIREMENTS ..............................................................................1-3 hours
    UNIV 1001 or 1113

III. MAJOR REQUIREMENTS......................................................................................... 74 hours
    A. Option ................................................................................................................ 74 hours
       Romance Languages Education majors must complete one of the following options:
       FRENCH
       Required Courses ............................................................................................... 27 hours
       FREN 1113, FREN 1223, FREN 2113, FREN 2223, FREN 3113, FREN 3123, FREN 3133, FREN 3143, LING 4173

        *21 hours must be upper division.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
    The Romance Languages Education program requires specific courses for meeting General Education requirements in behavioral science and humanities as follows:
    Behavioral Science – PSY 1113
    Humanities – 3 hours chosen from: HIST 2113 or 2223 or PHIL 1113 and 3 hours chosen from: ART 1013, ART 2613, ART 2623, THTR 1103, FNAR 1013, MUSC 1013, MUSC 1023, MUSC 1033, or MUSC 1413

II. UNIVERSITY REQUIREMENTS ..............................................................................1-3 hours
    UNIV 1001 or 1113

III. MAJOR REQUIREMENTS......................................................................................... 74 hours
    A. Option ................................................................................................................ 74 hours
       Romance Languages Education majors must complete one of the following options:
       FRENCH
       Required Courses ............................................................................................... 27 hours
       FREN 1113, FREN 1223, FREN 2113, FREN 2223, FREN 3113, FREN 3123, FREN 3133, FREN 3143, LING 4173

        *21 hours must be upper division.

II. UNIVERSITY REQUIREMENTS ..............................................................................1-3 hours
    UNIV 1001 or 1113

III. MAJOR REQUIREMENTS......................................................................................... 45 hours
    A. Option ................................................................................................................ 41 hours
       Romance Languages Education majors must complete one of the following options:
       FRENCH
       Required Courses ............................................................................................... 27 hours
       FREN 1113, FREN 1223, FREN 2113, FREN 2223, FREN 3113, FREN 3123, FREN 3133, FREN 3143, LING 4173

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

SPANISH
Required Courses ................................................................................................. 33 hours
SPAN 1113, SPAN 1223, SPAN 2113, SPAN 2223, SPAN 3113, SPAN 3123, SPAN 3213, SPAN 3223, SPAN 3133, SPAN 3143, LING 4173
Electives ................................................................................................................. 8 hours
8 hours of 4000-level Spanish courses; one course in literature required.

B. Required Education Courses ..............................................................................33 hours
    EDUC 1800, EDUC 3003, EDUC 3612*, EDUC 3673, EDUC 3733, EDUC 3753(R), EDUC 4313(R), EDUC 4653(R), EDUC 4955*(R), EDUC 4985*(R), SPED 3103
    *Should be taken in the professional semester
    R:Restricted to students admitted to Teacher Education

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

Romance Languages Education candidates must achieve a grade of C or better in all required education courses to receive credit toward a degree. If a grade of D, F, or U is achieved, the course must be repeated.

Teacher Licensure/Certification
Students who complete the requirements for this degree and pass the state tests for certification in Spanish or French will be eligible to apply for a standard teaching license.

ALBANIAN COURSE (ALBN)

4153* INTENSIVE STUDIES IN ALBANIAN, 3 hours credit
An intensive introductory study of Albanian combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another foreign language or permission of the department.

ARABIC COURSES (ARBC)

1113* BEGINNING MODERN STANDARD ARABIC I, 3 hours credit
An introductory course in the language and culture of Arabic-speaking countries. Lecture 3 hours. General Education, Humanities – Diversity.

1223* BEGINNING MODERN STANDARD ARABIC II, 3 hours credit
Continuation of ARBC 1113. Lecture 3 hours. Prerequisite: ARBC 1113 or equivalent. General Education, Humanities – Diversity.

2113* INTERMEDIATE MODERN STANDARD ARABIC I, 3 hours credit
An intermediate course in the language and culture of the Arabic-speaking countries. Lecture 3 hours. Prerequisite: ARBC 1223 or equivalent.

2223* INTERMEDIATE MODERN STANDARD ARABIC II, 3 hours credit
Continuation of ARBC 2113. Lecture 3 hours. Prerequisite: ARBC 2113 or the equivalent.

3113* ADVANCED MODERN STANDARD ARABIC I, 3 hours credit
An advanced course in the language and culture of the Arabic-speaking countries. Lecture 3 hours. Prerequisite: ARBC 2223 or the equivalent.

3223* ADVANCED MODERN STANDARD ARABIC II, 3 hours credit
A continuation of ARBC 3113. Lecture 3 hours. Prerequisite: ARBC 3113 or equivalent.
4961-3* DIRECTED READINGS IN MODERN STANDARD ARABIC, 1-3 hours credit
This course provides an opportunity for students to work on individualized topics in Arabic language, linguistics, and literature. Course may be repeated to a total of six hours with departmental permission. Independent study/directed readings 1-3 hours. Prerequisite: ARBC 3223 or equivalent.

CATALAN COURSE (CTLN)
4153* INTENSIVE STUDIES IN CATALAN, 3 hours credit
An intensive study of Catalan, with the goal of reaching near-native fluency in reading and writing the language. Some conversational practice. Two hours independent study, one hour lab. Prerequisite: Study of another Romance language or department permission.

CHINESE COURSES (CHNS)
1113* BEGINNING CHINESE (MANDARIN) I, 3 hours credit
1223* BEGINNING CHINESE (MANDARIN) II, 3 hours credit
Continuation of Chinese (Mandarin) CHNS 1113. Lecture 3 hours. Prerequisite: CHNS 1113. General Education, Humanities – Diversity.
2113* INTERMEDIATE CHINESE I, 3 hours credit
An intermediate-level course in Chinese (Mandarin). Lecture 3 hours. Prerequisite: CHNS 1223 or equivalent.
2223* INTERMEDIATE CHINESE II, 3 hours credit
Continuation of CHNS 2113. Lecture 3 hours. Prerequisite: CHNS 2113 or equivalent.

CLASSICS COURSES (CLSC)
4153* WOMEN IN ANCIENT ROME, 3 hours credit
This course provides an introduction to the lives of women and the roles that women played in everyday life both in ancient Rome and in the Roman provinces. Texts studied will provide insight into the attitudes of early Roman writers towards women and women's roles. Lecture 3 hours.
4153* ROMAN MYTHOLOGY, 3 hours credit
This course provides an introduction to the content of Roman mythology, to the role of myths in literature and art, and to modern ways of interpreting and using myths. Lecture 3 hours.
4171-3* SPECIAL TOPICS IN CLASSICS, 1-3 hours credit
Directed individual or group study of selected topics or problems in Classics. Areas of study will vary from semester to semester. The course may be repeated for a total of 6 hours with departmental permission. Independent study/directed readings 1-3 hours.

COMANCHE LANGUAGE COURSES (CMCH)
1113* COMANCHE LANGUAGE I, 3 hours credit
An introductory course in the language and culture of the Comanche people. Lecture 3 hours.
1223* COMANCHE LANGUAGE II, 3 hours credit
Continuation of CMCH 1113. Lecture 3 hours. Prerequisite: CMCH 1113 or equivalent.

DARI COURSES (DARI)
4153* INTENSIVE STUDIES IN DARI I, 3 hours credit
An intensive introductory study of Dari combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours of study of another foreign language or permission of the department.
4163* INTENSIVE STUDIES IN DARI II, 3 hours credit
Continuation of DARI 4153. Two hours independent study, one hour lab. Prerequisite: DARI 4153.

DUTCH COURSE (DITCH)
4153* INTENSIVE STUDIES IN DUTCH, 3 hours credit
An intensive introductory study of Dutch combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours of study of another Germanic language or permission of the department.

FRENCH COURSES (FREN)
1113* BEGINNING FRENCH I, 3 hours credit
1223* BEGINNING FRENCH II, 3 hours credit
Continuation of FREN 1113. Lecture 3 hours. Prerequisite: FREN 1113 or equivalent. General Education, Humanities – Diversity.
2113* INTERMEDIATE FRENCH I, 3 hours credit
Emphasis is placed on active use of the spoken language. More complex syntactic and grammatical forms are presented. Course taught largely in French. Lecture 3 hours. Prerequisite: FREN 2223 or equivalent.
2223* INTERMEDIATE FRENCH II, 3 hours credit
Continuation of FREN 2113. Lecture 3 hours. Prerequisite: FREN 2113 or the equivalent.
3113* FRENCH GRAMMAR AND LINGUISTICS, 3 hours credit
A systematic review of French grammar and the cultivation of facility in reading French newspapers, magazines, and books, with additional emphasis on improving the student's control of spoken French. Lecture 3 hours. Prerequisites: FREN 2223 or equivalent.
3123* FRENCH CULTURE, 3 hours credit
A systematic review of French culture. Conducted in French. Lecture: 3 hours. Prerequisite: FREN 2223 or equivalent.
3133* FRENCH COMPOSITION, 3 hours credit
A systematic review of French grammar, with a view toward improving the student's control of written French. Conducted in French. Lecture 3 hours. Prerequisites: FREN 2213 and 2223.
3143* FRENCH CONVERSATION, 3 hours credit
Total emphasis on improving the student's control of spoken French, with a special emphasis on idiomatic French. Conducted in French. Lecture 3 hours. Prerequisites: FREN 2213 and 2223.
4113* L'HISTOIRE DE FRANCE, 3 hours credit
A survey of the important political, social, economic, diplomatic, intellectual, and religious developments in French history. Conducted in French. Lecture 3 hours. Prerequisite: FREN 3143 or equivalent.
4123* FRENCH ECRIVAINS PROSODIQUES, 3 hours credit
A course oriented toward the study of major French prose literary works, from the Middle Ages to the present. Relationships between literature and society will also be examined. Conducted in French. Lecture 3 hours. Prerequisite: FREN 4113 or equivalent.

4133* FRENCH POETS AND DRAMATISTS, 3 hours credit
A study of the various trends in French poetry and drama. Conducted in French. Lecture 3 hours. Prerequisite: FREN 4123 or equivalent.

4143* FRENCH FOR BUSINESS AND INDUSTRY, 3 hours credit
The French language as a means of communication in the world of business; basic commercial and economic vocabulary; trade and advertisement practices. Conducted largely in French. Lecture 3 hours. Prerequisite: FREN 4133 or equivalent.

4961-3* DIRECTED READINGS IN FRENCH, 1-3 hours credit
Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Independent study/directed readings 1-3 hours. Prerequisite: FREN 4143 or equivalent.

GERMAN COURSES (GERM)

1113* BEGINNING GERMAN I, 3 hours credit
An introductory course in the language and culture of German-speaking countries. Lecture 3 hours. General Education, Humanities – Diversity.

1223* BEGINNING GERMAN II, 3 hours credit
Continuation of GERM 1113. Lecture 3 hours. Prerequisite: GERM 1113 or equivalent. General Education, Humanities – Diversity.

2213* INTERMEDIATE GERMAN I, 3 hours credit
An intermediate-level course in the German language, with emphasis on the more complex idiomatic, syntactic, and grammatical forms. Lecture 3 hours. Prerequisite: GERM 1223 or equivalent.

2223* INTERMEDIATE GERMAN II, 3 hours credit
Continuation of GERM 2213. Conducted largely in German. Lecture 3 hours. Prerequisite: GERM 2223 or equivalent.

3013* GERMAN GRAMMAR AND LINGUISTICS, 3 hours credit
A systematic review of German grammar; a study of the phonology, morphology, syntax, and semantics of modern Standard German. Lecture 3 hours. Prerequisite: GERM 2223 or equivalent.

3043* GERMAN CULTURE, 3 hours credit
A systematic review of German culture. Conducted in German. Lecture 3 hours. Prerequisite: GERM 3013 or equivalent.

3113* GERMAN COMPOSITION, 3 hours credit
Cultivation of the facility of writing in German. Conducted in German. Lecture 3 hours. Prerequisites: GERM 3013 and GERM 3043 or equivalent.

3123* GERMAN CONVERSATION, 3 hours credit
Cultivation of the facility of communicating in spoken German. Conducted in German. Lecture 3 hours. Prerequisites: GERM 3013 and GERM 3043 or equivalent.

4961-3* DIRECTED READINGS IN GERMAN, 1-3 hours credit
Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Independent study/directed readings 1-3 hours. Prerequisite: GERM 3123 or equivalent.

ITALIAN COURSES (ITAL)

1113* BEGINNING ITALIAN I, 3 hours credit
An introductory course in the language and culture of Italy and other Italian-speaking areas. Lecture 3 hours. General Education, Humanities – Diversity.

1223* BEGINNING ITALIAN II, 3 hours credit
Continuation of ITAL 1113. Lecture 3 hours. Prerequisite: ITAL 1113 or equivalent. General Education, Humanities – Diversity.

2113* INTERMEDIATE ITALIAN I, 3 hours credit

2223* INTERMEDIATE ITALIAN II, 3 hours credit
Continuation of ITAL 2113. Conducted in Italian. Lecture 3 hours. Prerequisite: ITAL 2113 or the equivalent.

4961-3* DIRECTED READINGS IN ITALIAN, 1-3 hours credit
Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 6 hours. Independent study/directed readings 1-3 hours. Prerequisite: ITAL 2223 or equivalent.

LANGUAGE COURSES (LANG)

1001-3* INTRODUCTORY LANGUAGE WORKSHOP, 1-3 hours credit
An introductory course that provides beginning study in a selected foreign language, often with a special focus such as survival Spanish or Arabic for military personnel. May be repeated to a total of six hours. Content varies. Lecture 1-3 hours.

3991-3* IMMERSION EXPERIENCE, 1-3 hours credit
Field experience under close supervision of a faculty member in which student gains language proficiency through an immersion in target language environment. Field experience 1-3 hours. Prerequisite: 12 hours study of target language or equivalent and department permission.

4181-3* SPECIAL TOPICS IN LANGUAGES, 1-3 hours credit
Directed individual or group study of selected topics in language. This course may be repeated up to a total of 6 hours credit with departmental permission. Independent study/directed readings 1-3 hours. Prerequisites: ENGL 1213 and 6 hours foreign language study or permission on instructor.

LATIN COURSES (LATN)

1113* BEGINNING LATIN I, 3 hours credit
An introductory course in understanding, speaking, reading, and writing Latin. Lecture 3 hours. General Education, Humanities – Diversity.

1223* BEGINNING LATIN II, 3 hours credit
Continuation of LATN 1113. Lecture 3 hours. Prerequisite: LATN 1113 or equivalent. General Education, Humanities – Diversity.

2113* INTERMEDIATE LATIN I, 3 hours credit
An intermediate-level course in Latin. A review of grammar, writing, and speaking. Lecture 3 hours. Prerequisite: LATN 1223 or equivalent.

2223* INTERMEDIATE LATIN II, 3 hours credit
Continuation of LATN 2113. Lecture 3 hours. Prerequisite: LATN 2113 or equivalent.
3113* ROMAN WRITERS I, 3 hours credit
Beginning study of various authors of Roman literature. Topics may include Roman prose, poetry, or drama. Lecture 3 hours. Prerequisite: LATN 2223 or equivalent.

3223* ROMAN WRITERS II, 3 hours credit
A continuation of LATN 3113. Topics may include Roman prose, poetry, or drama. Lecture 3 hours. Prerequisite: LATN 3113 or equivalent.

4961-3* DIRECTED READINGS IN LATIN, 1-3 hours credit
Intensive independent readings and research on a selected topic, writer, or movement in Latin literature or language under supervision of a faculty member. May be repeated to a total of 6 hours with departmental permission. Independent study/directed readings 1-3 hours. Prerequisite: LATN 3223 or equivalent.

LINGUISTICS COURSES (LING)

4113* GENERAL LINGUISTICS, 3 hours credit
A systematic review of linguistics to include grammar, phonology, morphology, syntax, and semantics of world languages. Lecture 3 hours. Prerequisites: Completion of primary and secondary language requirements or concurrent enrollment in final level.

4163 TEACHING ENGLISH AS A SECOND LANGUAGE: THEORY AND METHODS, 3 hours credit
Introduction to theories of language acquisition and methods of instruction; practicum in applications of theories and methods. Lecture 3 hours. Prerequisites: 6 hours English Composition, 3 hours foreign language or instructor permission.

4173 TEACHING FOREIGN LANGUAGES: THEORY AND METHODS, 3 hours credit
An introduction to methods and materials in teaching elementary and secondary foreign languages. Lecture 2 hours, laboratory 2 hours. Teacher Certification students must be admitted to teacher education prior to enrollment in this course.

PASHTO COURSES (PHTO)

4153* INTENSIVE STUDIES IN PASHTO I, 3 hours credit
An intensive introductory study of Pashto combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another foreign language or permission of the department.

4163* INTENSIVE STUDIES IN PASHTO II, 3 hours credit
Continuation of PHTO 4153. Two hours independent study, one hour lab. Prerequisite: PHTO 4153.

PERSIAN (FARSI) COURSES (PRSN)

1113* BEGINNING PERSIAN (FARSI) I, 3 hours credit
An introductory course in the language and culture of Iran and Afghanistan. Lecture 3 hours.

1223* BEGINNING PERSIAN (FARSI) II, 3 hours credit
Continuation of PRSN 1113. Lecture 3 hours. Prerequisite: PRSN 1113 or equivalent.

POLISH COURSE (PLSH)

4153* INTENSIVE STUDIES IN POLISH, 3 hours credit
An intensive introductory study of Polish combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another foreign language or permission of the department.

PORTUGUESE COURSES (PORT)

4153* INTENSIVE STUDIES IN PORTUGUESE, 3 hours credit
An intensive introductory study of Portuguese combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another Romance language or permission of the department.

4961-3* DIRECTED READINGS IN PORTUGUESE, 1-3 hours credit
Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Independent study/directed readings 1-3 hours. Prerequisite: PORT 4153.

ROMANIAN COURSES (ROMN)

4153* INTENSIVE STUDIES IN ROMANIAN, 3 hours credit
An intensive introductory study of Romanian combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another Romance language or permission of the department.

4961-3* DIRECTED READINGS IN ROMANIAN, 1-3 hours credit
Provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Independent study/directed readings 1-3 hours. Prerequisite: ROMN 4153.

RUSSIAN COURSES (RUSN)

1113* BEGINNING RUSSIAN I, 3 hours credit

1223* BEGINNING RUSSIAN II, 3 hours credit
Continuation of RUSN 1113. Lecture 3 hours. Prerequisite: RUSN 1113 or equivalent. General Education, Humanities – Diversity.

4961-3* DIRECTED READINGS IN RUSSIAN, 1-3 hours credit
This course provides an opportunity for gifted and qualified students of Russian to work with an instructor on individualized topics in Russian language, linguistics, and literature. Course may be repeated to a total of six hours with departmental permission. Independent study/directed readings 1-3 hours. Prerequisite: RUSN 1223 or equivalent.

SOMALI COURSES (SMLI)

4153* INTENSIVE STUDIES IN SOMALI I, 3 hours credit
An intensive introductory study of Somali combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another foreign language or permission of the department.

4163* INTENSIVE STUDIES IN SOMALI II, 3 hours credit
Continuation of SMLI 4153. Two hours independent study, one hour lab. Prerequisite: SMLI 4153.
SPANISH COURSES (SPAN)

1113* BEGINNING SPANISH I, 3 hours credit
An introductory course in the language and culture of Spanish-speaking countries. Lecture 3 hours. General Education, Humanities – Diversity.

1223* BEGINNING SPANISH II, 3 hours credit
Continuation of SPAN 1113. Lecture 3 hours. Prerequisite: SPAN 1113 or equivalent. General Education, Humanities – Diversity.

2113* INTERMEDIATE SPANISH I, 3 hours credit
An intermediate-level course in the Spanish language. A review of grammar, writing, and speaking. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 1223 or the equivalent.

2223* INTERMEDIATE SPANISH II, 3 hours credit
Continuation of SPAN 2113. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 2113.

3113* SPANISH GRAMMAR AND LINGUISTICS, 3 hours credit
A systematic review of Spanish grammar; a study of the phonology, morphology, syntax, and semantics of modern standard Spanish. Lecture 3 hours. Prerequisite: SPAN 2223 or equivalent.

3123* SPANISH CONVERSATION, 3 hours credit
Improving accent and rapidity of speech through speeches, presentations, impromptu dialogues. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 2223 or equivalent.

3133* SPANISH CULTURE, 3 hours credit
A systematic review of the cultures of the Spanish-speaking world, with additional emphasis on improving the student's control of spoken Spanish. Conducted in Spanish. Lecture 3 hours. Prerequisites: SPAN 3113 and SPAN 3123 or equivalent.

3143* SPANISH COMPOSITION, 3 hours credit
Cultivation of facility in writing Spanish. Planned and impromptu compositions. Lecture 3 hours. Prerequisites: SPAN 3113 and SPAN 3123 or equivalent.

3213* ADVANCED SPANISH GRAMMAR AND LINGUISTICS, 3 hours credit
An expansion and refinement of complex structures including nuances of the language not addressed in SPAN 3113 which may include archaic and literary tenses, special verb forms for indirect discourse, infrequently used compound tenses, advanced vocabulary, and expanded use of the subjunctive mood. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3113 or equivalent.

3223* ADVANCED SPANISH CONVERSATION, 3 hours credit
Provides additional training in oral mastery of the Spanish language. Focuses on the automation of spoken language in all tenses/moods. Aims to achieve command of idiomatic expressions and advanced vocabulary. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3113 or equivalent.

4113* LA HISTORIA DEL MUNDO HISPANICO, 3 hours credit
A survey of the important political, social, economic, diplomatic, intellectual, and religious developments in the Spanish speaking world. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3123 or equivalent.

4123* ESPANA EN SU LITERATURA I, 3 hours credit
The study of the major literary works of Spain from the Middle Ages through the 17th Century. Relationships between literature and society will also be examined. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3143.

4133* ESPANA EN SU LITERATURA II, 3 hours credit
The study of the major literary works of Spain from the 18th Century to the present. Relationships between literature and society will also be examined. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 4123 or equivalent.

4143* HISPANOAMERICA EN SU LITERATURA I, 3 hours credit
The study of the major literary works of Spanish America from pre-colonial literature to the first half of the 19th Century. Relationships between literature and society will be discussed. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3143.

4153* HISPANOAMERICA EN SU LITERATURA II, 3 hours credit
The study of the major literary works of Spanish America from the second half of the 19th Century to the present. Relationships between literature and society will be discussed. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 4143 or equivalent.

4163* SPANISH FOR BUSINESS AND INDUSTRY, 3 hours credit
The Spanish language as a means of communication in the world of business; basic commercial and economic vocabulary; trade and advertisement practices. Lecture 3 hours. Prerequisite: SPAN 3143.

4961-3* DIRECTED READING IN SPANISH, 1-3 hours credit
This course provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Independent study/directed readings 1-3 hours. Prerequisite: SPAN 4143 or equivalent.

SWAHILI COURSES (SWLI)

1113* BEGINNING SWAHILI I, 3 hours credit
An introductory course in the major language and the cultures of East Africa. Lecture 3 hours.

1223* BEGINNING SWAHILI II, 3 hours credit
Continuation of SWLI 1113. Lecture 3 hours. Prerequisite: SWLI 1113 or equivalent.

3133* SPANISH GRAMMAR AND LINGUISTICS, 3 hours credit
A systematic review of Spanish grammar; a study of the phonology, morphology, syntax, and semantics of modern standard Spanish. Lecture 3 hours. Prerequisite: SPAN 2223 or equivalent.

3123* SPANISH CONVERSATION, 3 hours credit
Improving accent and rapidity of speech through speeches, presentations, impromptu dialogues. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 2223 or equivalent.

3143* SPANISH COMPOSITION, 3 hours credit
Cultivation of facility in writing Spanish. Planned and impromptu compositions. Lecture 3 hours. Prerequisites: SPAN 3113 and SPAN 3123 or equivalent.

3213* ADVANCED SPANISH GRAMMAR AND LINGUISTICS, 3 hours credit
An expansion and refinement of complex structures including nuances of the language not addressed in SPAN 3113 which may include archaic and literary tenses, special verb forms for indirect discourse, infrequently used compound tenses, advanced vocabulary, and expanded use of the subjunctive mood. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3113 or equivalent.

3223* ADVANCED SPANISH CONVERSATION, 3 hours credit
Provides additional training in oral mastery of the Spanish language. Focuses on the automation of spoken language in all tenses/moods. Aims to achieve command of idiomatic expressions and advanced vocabulary. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3113 or equivalent.

4113* LA HISTORIA DEL MUNDO HISPANICO, 3 hours credit
A survey of the important political, social, economic, diplomatic, intellectual, and religious developments in the Spanish speaking world. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3123 or equivalent.

4123* ESPANA EN SU LITERATURA I, 3 hours credit
The study of the major literary works of Spain from the Middle Ages through the 17th Century. Relationships between literature and society will also be examined. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3143.

4133* ESPANA EN SU LITERATURA II, 3 hours credit
The study of the major literary works of Spain from the 18th Century to the present. Relationships between literature and society will also be examined. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 4123 or equivalent.

4143* HISPANOAMERICA EN SU LITERATURA I, 3 hours credit
The study of the major literary works of Spanish America from pre-colonial literature to the first half of the 19th Century. Relationships between literature and society will be discussed. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 3143.

4153* HISPANOAMERICA EN SU LITERATURA II, 3 hours credit
The study of the major literary works of Spanish America from the second half of the 19th Century to the present. Relationships between literature and society will be discussed. Conducted in Spanish. Lecture 3 hours. Prerequisite: SPAN 4143 or equivalent.

4163* SPANISH FOR BUSINESS AND INDUSTRY, 3 hours credit
The Spanish language as a means of communication in the world of business; basic commercial and economic vocabulary; trade and advertisement practices. Lecture 3 hours. Prerequisite: SPAN 3143.

4961-3* DIRECTED READING IN SPANISH, 1-3 hours credit
This course provides an opportunity for gifted and qualified students to work at a special project not offered in a regular course. May be repeated to a total of 3 hours. Independent study/directed readings 1-3 hours. Prerequisite: SPAN 4143 or equivalent.

SWAHILI COURSES (SWLI)

1113* BEGINNING SWAHILI I, 3 hours credit
An introductory course in the major language and the cultures of East Africa. Lecture 3 hours.

1223* BEGINNING SWAHILI II, 3 hours credit
Continuation of SWLI 1113. Lecture 3 hours. Prerequisite: SWLI 1113 or equivalent.

TURKISH COURSES (TURK)

4153* INTENSIVE STUDIES IN TURKISH I, 3 hours credit
An intensive introductory study of Turkish combining guided independent study of the written language with regular oral practice of the spoken language. Two hours independent study, one hour lab. Prerequisites: ENGL 1213 and six hours study of another foreign language or permission of the department.

4163* INTENSIVE STUDIES IN TURKISH II, 3 hours credit
Continuation of TURK 4153. Two hours independent study, one hour lab. Prerequisite: TURK 4153.

*Liberal arts and sciences course.
DEPARTMENT OF

HISTORY AND GOVERNMENT

Chair – Lance Janda, Professor
Professors: Crawford, S. Janda, Voeltz
Associate Professors: Catterall, Wohlers
Assistant Professors: Claridge, Cox, Longoria, Metzger, Montalvo, Whitman-Cobb
Instructor: Childs

The Department of History and Government offers Bachelor of Arts degrees in History, Political Science, and Social Studies Education and supports minors in history, political science, humanities, and geography. Department courses also support the university General Education mission and prepare students for graduate study and careers in teaching, law, military service, and other professions.

BACHELOR OF ARTS DEGREE
MAJOR IN HISTORY (130)

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ............................................................................ 1-3 hours

UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ..................................................................................... 42 hours

A. Required Courses .................................................................................................. 21 hours

HIST 1113, HIST 1123, HIST 1483 or HIST 1493*, HIST 2113, HIST 2223, HIST 2133,** and HIST 4793**
*Both must be taken, one for General Education and one for the major.
**A grade of C or better is required for graduation.

B. U.S. History Upper Division Electives ................................................................. 12 hours

1. U.S. History to 1865 ....................................................................................... 3 hours

HIST 4243, HIST 4253, HIST 4273, HIST 4283

2. U.S. History Since 1865 ................................................................................... 3 hours

HIST 4293, HIST 4313, HIST 4323, HIST 4383

3. U.S. History Surveys/Oklahoma History ......................................................... 3 hours

HIST 3333, HIST 3353, HIST 3013, HIST 4123, HIST 3113, HIST 3043, HIST 3133

4. Internship or Additional U.S. History ............................................................. 3 hours

HIST 3391-3, HIST 3483, HIST 4961-3, or One additional course from 1, 2, or 3 above.
(Note: HIST 4283 may only be counted once.)

C. Non U.S. History Upper Division Electives ....................................................... 9 hours

1. Pre-Modern Non-U.S. History ................................................................. 3 hours

HIST 4413, HIST 4403, HIST 3033, HIST 3213, HIST 3233, HIST 3363, HIST 4353, HIST 4963

2. Modern Non-U.S. History .............................................................................. 3 hours

HIST 3023, HIST 3243, HIST 4333, HIST 4373, HIST 4443, HIST 4473, HIST 4961-3

3. Additional Non-U.S. History ........................................................................... 3 hours

HIST 3391-3, HIST 4971-3 or One additional course from 1 or 2 above.

IV. MINOR REQUIREMENTS ...................................................................................... 18 hours

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

BACHELOR OF ARTS DEGREE
MAJOR IN POLITICAL SCIENCE (162)

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ............................................................................ 1-3 hours

UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ..................................................................................... 39 hours

A. Required Courses .............................................................................................. 9 hours

PS 2113 and PS 2793 and PS 4683

B. Electives ........................................................................................................... 30 hours

At least three hours must be taken in each of the following five areas; the remaining fifteen hours may be selected from any or all of the areas and may include:

PS 3721-3, Internship in Political Science

Political Theory
PS 2001-3*, PS 2613, PS 3613, PS 3633, PS 4491-3*, PS 4591-3*, Institutions and Processes
PS 2001-3*, PS 2023, PS 3003, PS 3483, PS 3513, PS 3813, PS 4253, PS 4491-3*, PS 4591-3*

Politics and Behavior
PS 2001-3*, PS 2713, PS 3013, PS 3023, PS 3043, PS 3113, PS 4491-3*, PS 4591-3*

Comparative Government
PS 2001-3*, PS 3313, PS 4023, PS 4043, PS 4491-3*, PS 4591-3*

International Relations
PS 2001-3*, PS 3213, PS 3223, PS 4053, PS 4491-3*, PS 4591-3*

*PS 2001-3, PS 4491-3, and PS 4591-3 may each be taken for a maximum of 6 hours.

IV. MINOR REQUIREMENTS ...................................................................................... 18 hours

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

BACHELOR OF ARTS DEGREE
MAJOR IN SOCIAL STUDIES EDUCATION (135)

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours

The Social Studies Education program requires specific courses for meeting General Education requirements in humanities, behavioral science, and economics as follows: Humanities – HIST 2113 and a Non-history humanities (3 hours)

Behavioral Science – PSY 1113

Economics – ECON 2013

II. UNIVERSITY REQUIREMENTS ............................................................................ 1-3 hours

UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ..................................................................................... 78 hours

A. History ............................................................................................................. 30 hours

HIST 1113, HIST 1123, HIST 1493, HIST 2113, HIST 2223, HIST 3043, HIST 4773, U.S. History Electives (6 hours at 3000+ level); Non-U.S. History Electives (3 hours at 3000+ level)

B. Political Science ............................................................................................... 3 hours

Political Science Elective (3 hours at 2000+ level)
C. Economics ............................................................................................................. 3 hours
   Economics Elective (select one): ECON 2023, GEOG 3023

D. Geography ........................................................................................................... 6 hours
   GEOG 2243 and GEOG 3213

E. Social Studies ...................................................................................................... 3 hours
   One 2000+ level course in PS, GEOG, ECON, HUM, or SOCI

IV. REQUIRED EDUCATION COURSES ........................................................................33 hours
   EDUC 1800, EDUC 3003, *EDUC 3612, EDUC 3673, EDUC 3733, EDUC 3753(R), EDU
   EDUC 4313(R), EDUC 4653(R), *EDUC 4965(R), and SPED 3103
   *Courses taken in the professional semester.
   (R) Restricted to students admitted to Teacher Education.

V. ELECTIVES TO COMPLETE 124 HOURS FOR GRADUATION

Social Studies Education candidates must achieve a grade of C or better in all major core courses and
tested education courses to receive credit toward a degree. If a grade of D, F, or U is achieved, the course
must be repeated.

Social Studies Education candidates must demonstrate foreign language proficiency (listening and
speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign
Languages proficiency test or by taking a foreign language course.

Teacher Licensure/Certification
   Student who complete the requirements for this degree and pass the state tests for certification in U.S.
   History/Oklahoma History/U.S. Government/Economics, World History/Geography, and/or Psychology/
   Sociology will be eligible to apply for a standard teaching license.

GEOGRAPHY COURSES (GEOG)

2013* PHYSICAL GEOGRAPHY, 3 hours credit
   A basic introduction to the physical elements of the earth as they relate to man. The influence of such
   factors as soils and minerals, landforms and hydrography, vegetation, weather, and climate are emphasized.
   Lecture 3 hours.

2243* HUMAN GEOGRAPHY, 3 hours credit
   The principles of geography in its human aspects and its relationship to the cultural patterns of the world.
   Lecture 3 hours.

3023* ECONOMIC GEOGRAPHY, 3 hours credit
   A study of the resource base and economic activities with emphasis on production, distribution, and
   consumption of various types of commodities of the world. Lecture 3 hours. General Education,
   Economics.

3033* HISTORICAL GEOGRAPHY OF THE UNITED STATES, 3 hours credit
   Geographical environment of America and its influence on the historical evolution of the United States.
   Lecture 3 hours.

3213* WORLD REGIONAL GEOGRAPHY, 3 hours credit
   Comparative study of the world's major geographic regions as defined by interrelated complexes of
   physiographic and cultural elements. Lecture 3 hours.

3243* ETHNIC GEOGRAPHY OF THE UNITED STATES, 3 hours credit
   A study of the geographic origins of individual groups and of the impact of migration upon their cultural
   traditions and ways of life. Lecture 3 hours.
3023* MODERN LATIN AMERICA, 3 hours credit
A historical analysis of the forces which have shaped Latin America from the early 19th century to the present. Special attention is devoted to the revolutionary process, with Mexico and Cuba as case studies. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

3033* THE ATLANTIC WORLD, 1400-1850, 3 hours credit
This course examines the relationships which developed among Africa, the Americas and Europe between 1400 and 1850. Students will examine European exploration and colonization, African state-building and the Atlantic slave trade, and the destruction of old and the creation of new American societies and cultures. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

3043* OKLAHOMA HISTORY, 3 hours credit
A survey of the development of Oklahoma from the time of the discovery of America to the present. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

3113* THE AMERICAN WEST, 3 hours credit
Development of the Trans-Mississippi and Far Western frontiers, with special attention to the Southwest, exploration, the fur trade, Indian relations, overland migration, transportation, territorial acquisitions, mining and cattle frontiers, and the agrarian revolt. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 or departmental permission.

3123* THE CRUSADES, 3 hours credit
From the middle of the 10th century C.E. through the early 16th century, Europeans and the peoples of North Africa and the Eastern Mediterranean interacted with a greater intensity than ever before, inauguraing a complex history of interaction that has been with us ever since. In origin a religiously motivated enterprise on the European side that aimed at nothing less than the reclamation of the Holy Land for Christianity, the Crusades rapidly became both more and less than this. Less in the sense that conflict did not always happen for religious reasons, more in that the practices of crusading spread far beyond the Holy Land to encompass the Iberian peninsula, Eastern Europe, and, perhaps most ironically of all, the Christian Byzantine empire. In this course we will address crusading in all of its forms form the High Middle Ages to the dawn of the Reformation. We will also seek to tell the stories of all involved to explore crusading as a cultural, economic, and social phenomenon as well as examining its more familiar military, religious, and political sides. In the process we will explore current controversies among scholars and in popular culture concerning what the Crusades were and what they mean to people today. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

3133* AMERICAN MILITARY HISTORY, 3 hours credit
A survey of American military history from American Revolution to the present. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or 1493.

3233* BRITAIN TO 1689, 3 hours credit
The British people in their political, social, and institutional development from earliest times through the Glorious Revolution. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

3243* BRITAIN SINCE 1689, 3 hours credit
Emergence of cabinet government, the Industrial Revolution, the Napoleonic era and empire problems, and the development of Britain to the present. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

3333* THE AMERICAN INDIAN, 3 hours credit
A history of Native American peoples from pre-Columbian times to the contemporary period. Emphasis on tribal culture, the impact of European contact, and the evolution of governmental Indian policy. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

3353* AFRICAN-AMERICAN HISTORY, 3 hours credit
A study of African-American history from the development of the slave trade through emancipation and up to the present time. Emphasis is placed upon the influence of African-Americans in the history of the United States. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

3363* PIRATES, DIPLOMATS, AND MERCHANTS IN THE MEDITERRANEAN, 1500-1750, 3 hours credit
During the period from 1500-1750, Europe and the Mediterranean shared in a variety of social, cultural, political, and economic exchanges. This course traces the development of these complex relationships with an emphasis on Southern Europe and its interactions with other Mediterranean societies. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

3391-3* INDEPENDENT STUDY, 1-3 hours credit
Intensive independent readings or study on definite problems or special historical subjects, based upon pre-approved outlines or plans, with regular conferences and with written and/or oral reports required. Independent study/directed readings 1-3 hours. Prerequisites: HIST 2133, 15 additional hours of history and permission of instructor. May be repeated with a different topic for a total of 6 hours credit.

3403* PUBLIC HISTORY INTERNSHIP, 3 hours credit
An intensive exposure to and involvement in work done by public historians at area museums. Students will work with primary sources, document collections, artifacts, public displays, educational and marketing publications, and make presentations to the public or to museum staff under the direction of a Cameron University faculty member in partnership with a supervising historian or other qualified professional at the museum. The student, the supervisor at the museum, and the directing Cameron faculty member will sign an agreement stipulating terms of the internship in advance. Internship 3 hours. Prerequisite: 3.0 Retention GPA, ENGL 1213, 18 hours of history, and the permission of the directing faculty member and the chair of the department. HIST 2133 strongly recommended.

4123* AMERICAN WOMEN, 1619-PRESENT, 3 hours credit
A survey of American women from the colonial period to present with emphasis on their changing socioeconomic and political roles. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4243* AMERICAN COLONIAL HISTORY, 3 hours credit
The political, economic, social, and cultural history of the colonies in North America from the earliest settlements to the preliminaries of the great war for empire. The modification of European institutions and ideals in the New World. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4253* THE AMERICAN REVOLUTION AND EARLY NATIONAL PERIOD, 3 hours credit
The French and Indian War; the British imperial system; the causes and immediate consequences of the War for American Independence; the drafting and adoption of the federal constitution and organization of a new national government; the origin and development of political parties; the conflict between nationalism and sectionalism; foreign policy, economic development, social change, and territorial expansion to 1824. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4273* THE AGE OF JACKSON AND AMERICAN EXPANSION, 1815-1848, 3 hours credit
A political history of the period between 1815 and 1848. The impact of nationalism, liberalism, and sectionalism upon American life in the middle period. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.
4283* THE CIVIL WAR AND RECONSTRUCTION, 1848-1877, 3 hours credit
The coming of the war; the political, military, diplomatic, economic, and social problems encountered by the Union and the Confederacy; leading personalities and events of the war between the states; and an intensive study of the major challenges facing the United States in the aftermath of the Civil War. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4293* THE GILDED AGE AND PROGRESSIVE ERA, 1877-1920, 3 hours credit
A study of the major events and movements in the United States between 1877 and approximately 1920. Special attention is given to the rise of modern industrialism and the organization of labor and farmers. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4313* WAR AND DEPRESSION, 1917-1945, 3 hours credit
The United States in the aftermath of World War I; the Roaring Twenties; the Great Depression; and World War II. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4323* AMERICA, 1945-PRESENT, 3 hours credit
A study of the political, economic, social, cultural and diplomatic changes in America since 1945. Topics include civil rights, the Cold War, consumerism, social change, and others. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1483 or HIST 1493. HIST 2133 strongly recommended.

4333* SOUTH AFRICAN HISTORY THROUGH FILM, 3 hours credit
Using a mediated/cinematic approach, this course will explore the political, social, and cultural history of South Africa and the development there of a new historical identity and national cinema. Lecture 3 hours. Prerequisites: ENGL 1213 and HIST 1113 or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

4353* NORTHERN EUROPE, 1300-1800, 3 hours credit
This course focuses on the major cultural, social, political and economic developments in those European cultures bordering on the Baltic Sea and the North Sea, with particular emphasis on the British Isles, northern Germany, Sweden, Poland, and the Low Countries. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

4373* EUROPE 1789-1914, 3 hours credit
Europe during the French Revolution and Napoleonic Era; the Congress of Vienna and the Congress system; the revolutions of 1830 and 1848; the unification of Italy and Germany; industrialism, social change, and the coming of World War I. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

4403* EUROPE’S ENLIGHTENMENTS, 1648-1789, 3 hours credit
The growth of divine-right monarchy in Europe and the balance of power; the rationalists and the age of Enlightenment. Lecture 3 hours. Prerequisites: ENGL 1213, and HIST 1113, or HIST 1123, or HIST 2113, or HIST 2223, or HUM 2713, or ENGL 3063, or ENGL 3073, or ART 2613, or ART 2623. HIST 2133 strongly recommended.

4413* RELIGION AND MAGIC IN EARLY MODERN EUROPE, 1400-1650, 3 hours credit
From the 15th to the mid-17th centuries, religious relationships changed dramatically within European societies. One path of change led to the Reformation, producing Protestant alternatives to what we now know as Catholicism. Another path led to bureaucratized and centralized power that tied community membership to shared religious outlooks. From care for the poor, the sick, and the elderly to marriage and tolerance of diversity, peoples’ lives were transformed, while politics took on a more religious and, often, deadly turn, culminating in the Thirty Years’ War. Perhaps the most dramatic path of all concerned the reform, even repression of popular religion as European societies attempted to root out witchcraft and newly vigilant and pious elites struggled to stamp out what they saw as superstition and worse. In this course, we explore these and other manifestations of the cataclysmic change that characterized this era.
PHILOSOPHY COURSES (PHIL)

1113* INTRODUCTION TO PHILOSOPHY, 3 hours credit
This class aims to introduce students to philosophy as an academic discipline and as a distinctive intellectual and moral attitude towards the world and oneself, one marked by the belief that the use of reason in the search for truth is the most important human activity. We will consider questions such as the relation between philosophy and society, the existence of God, the character of and grounds for human knowledge, and the nature and status of morality. Throughout we will concentrate on close readings of the texts under discussion. Representative readings: Plato, Aquinas, Descartes, Nietzsche. Lecture 3 hours. General Education, Humanities – Diversity.

2213* LOGIC, 3 hours credit
How to construct good arguments and avoid being taken in by bad ones. Lecture 3 hours.

3013* ETHICS, 3 hours credit
Critical study of important ethical theories and moral problems of contemporary interest (e.g., euthanasia, abortion, pornography, capital punishment, affirmative action). Lecture 3 hours. Prerequisite: PHIL 1113 or PHIL 2213 or instructor permission.

POLITICAL SCIENCE COURSES (PS)

1113* AMERICAN FEDERAL GOVERNMENT, 3 hours credit
A study of the American government system. The American experiment in federalism and democracy; origin and development of the United States Constitution; federal-state relations, civil liberties, the individual as a citizen; political parties; governmental services. Lecture 3 hours. Prerequisite: Students must be eligible for ENGL 1113. General Education, Political Science.

2001-3* SPECIAL PROBLEMS IN POLITICAL SCIENCE, 1-3 hours credit
An analysis of a selected problem or special topic in political science. May be repeated with different topics for a total of 6 hours credit. Lecture 1-3 hours. Prerequisites: Sophomore standing and department permission.

2023* STATE AND LOCAL GOVERNMENT, 3 hours credit
A study of the various political units in the United States with emphasis on states, counties, and municipalities. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

2113* CONCEPTS OF POLITICAL SCIENCE, 3 hours credit
An introduction to basic political concepts, institutions and processes, as well as a review of career opportunities for political scientists. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

2461* INTRODUCTION TO POLITICAL THOUGHT, 3 hours credit
Introduction to the philosophical analysis of politics through study of selected central questions of political thought (such as the nature of justice, power, liberty, or the best regime) in relation to the principles of classical liberalism. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

2713* PUBLIC ADMINISTRATION, 3 hours credit
An introductory course to acquaint students with the field of public administration. Topics include the development of public administration and its political setting, organization theory and behavior, administrative processes, and current issues in public administration. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

2793* RESEARCH METHODS IN POLITICAL SCIENCE, 3 hours credit
The study and application of empirical research methods in political science. The course will include an overview of research designs, the conduct of empirical research, and the organization and preparation of research papers. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.
363* AMERICAN POLITICAL THOUGHT, 3 hours credit
Main currents and cross-currents in American political thought from Puritanism to the present with emphasis on those concepts and ideas which have most decisively influenced the evolution of the federal system of government. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

3721-3 INTERNSHIP IN POLITICAL SCIENCE, 1-3 hours credit
Placement of advanced political science majors in applied job settings. Involves frequent contact with faculty supervisor and off-campus supervisor evaluation. May be repeated for a total of 6 hours credit. Internship 1-3 hours. Prerequisites: PS 1113 and ENGL 1213, Political Science major, junior standing, and instructor permission.

3813* CONSTITUTIONAL LAW AND GOVERNMENT: THE AMERICAN EXPERIENCE, 3 hours credit
A comprehensive analysis of American constitutionalism and constitutional law, to include development of governmental powers, federalism, and civil rights and civil liberties. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

4023* THE POLITICS OF DEVELOPING NATIONS, 3 hours credit
An analysis of political institutions and processes with emphasis on selected developing countries in Africa, Asia, Latin America and the Middle East. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

4043* EUROPEAN POLITICS, 3 hours credit
A comparative analysis of political processes and institutions of selected European countries. Topics include constitutional structure; legislative, executive, and judicial processes; political parties; electoral systems; public policy; and international relations. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

4053* U.S. FOREIGN POLICY, 3 hours credit
An examination of the content, formulation, and execution of U.S. foreign policy, with emphasis on the post-World War II period. The course also explores the relationship of U.S. foreign policy to its domestic foundations and to the larger international system. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

4253* THE JUDICIAL PROCESS, 3 hours credit
An analysis of the court system in the United States, focusing on the United States Supreme Court, lower federal courts, federal-state judicial relations, and the role of the judicial system in American policy processes. Lecture 3 hours. Prerequisites: PS 1113 and ENGL 1213.

4491-3* SELECTED TOPICS IN POLITICAL SCIENCE, 1-3 hours credit
An intensive analysis of a selected political problem or special topic in political science. May be repeated with a different topic for a total of 6 hours credit. Lecture 1-3 hours. Prerequisites: PS 1113 and ENGL 1213.

4591-3* INDEPENDENT STUDY IN POLITICAL SCIENCE, 1-3 hours credit
Intensive independent reading on or study of a specific problem or subject in political science, based on a pre-approved outline or plan, with regular conferences with the instructor and submission of extensive written work. May be repeated with different topics for a total of 6 hours credit. Independent study/directed readings 1-3 hours. Prerequisites: PS 1113 and ENGL 1213, Political Science major, junior standing, and instructor permission.

4683* POLITICAL SCIENCE CAPSTONE, 3 hours credit
This course consists of relevant readings and discussion to assist seniors majoring in Political Science with developing a more complete understanding of the discipline as a whole and in applying knowledge gained throughout their studies to create an original written thesis. The course also provides an opportunity for students to examine career opportunities and graduate education in political science and to complete a series of examinations designed to assess their overall knowledge of political science as well as their critical thinking and writing skills. The class should be taken during the final semester prior to graduation if possible. Capstone/lecture 3 hours. Prerequisite: ENGL 1213, PS 1113, and 18 hours of Political Science. PS 2113 and PS 2793 strongly recommended.

*Liberal arts and sciences course.
DEPARTMENT OF

MUSIC

Chair – James Lambert, Professor
Professors: Hoepfner, Labé, Whang
Associate Professors: Compton, Duckett
Assistant Professors: Scherler, K. Underwood

The Department of Music offers programs leading to a Bachelor of Arts degree with a major in Music, Bachelor of Music degree with a major/minor in Music, and a Bachelor of Music Education. All three music programs emphasize the development of musical knowledge and associated performance skills in all music students. The Department of Music has a three-fold mission of course-offerings including service to the music major, service to the non-music major (including the music minor), and service to the community. The Bachelor of Arts degree in Music provides a music degree which will be combined with a minor course study which will prepare the student for careers in music not including teaching or graduate music study. The Bachelor of Music degree is a professional degree which is a major/minor course study preparing the music graduate to be a music performer or to be prepared for further graduate music study. The Bachelor of Music Education degree prepares the music graduate to be certified as a music educator in either band, orchestra, or choir at the public school level. The Bachelor of Arts and Bachelor of Music Degrees have received full NASM Accreditation. The Bachelor of Music Education has attained NASM Final Plan Approval. The Department of Music also offers a defined minor in music for those students who already have a different degree major. The Department of Music additionally serves the non-music major through performance opportunities in its university ensembles, general education course offerings and individual skill development. Concert performances and recitals provide music students the opportunity to refine their performance skills as well as enabling the Department of Music the opportunity to fulfill its outreach mission to its constituents in the surrounding area.

BACHELOR OF ARTS DEGREE

MAJOR IN MUSIC (160)

I. GENERAL EDUCATION REQUIREMENTS .................................................................................. 44 hours
The BA in Music program requires specific courses for meeting General Education requirements in humanities:
Humanities – MUSC 1413

II. UNIVERSITY REQUIREMENTS ........................................................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .................................................................................................... 44 hours
MUSC 1000 Concert/Recital Attendance (7 semesters);
Band/Choir/Accomp./Orch. Guitar Ens (8 semesters);
MUSC 1413, MUSC 1423, MUSC 2312, MUSC 2332, MUSC 3313, MUSC 3333, MUSC 3513, MUSC 3523, MUSC 3612;
Major Lesson Field 8 hours (minimum 2 hours at 4000 level);
Piano (4 hours) (unless Proficiency is met); MUSC 4900.
(All music majors (B.A. Degree) must pass a junior standing examination and a keyboard proficiency examination before their junior year.)

IV. MINOR REQUIREMENTS ..................................................................................................... 8 hours

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

BACHELOR OF MUSIC EDUCATION

MAJOR IN MUSIC (681)

I. GENERAL EDUCATION REQUIREMENTS .................................................................................. 44 hours
The Music Education program requires specific courses for meeting General Education requirements in humanities:
Humanities – MUSC 1413

II. UNIVERSITY REQUIREMENTS ........................................................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR/MINOR REQUIREMENTS ........................................................................................ 78 hours
A. Required Core Courses ....................................................................................................... 41 hours
MUSC 1000 Concert/Recital Attendance (7 semesters);
Band/Choir/Accomp./Orch. Guitar Ens (8 semesters);
MUSC 1413, MUSC 1423, MUSC 2312, MUSC 2321, MUSC 2332, MUSC 2341, MUSC 3313, MUSC 3321, MUSC 3333, MUSC 3341, MUSC 3513, MUSC 3523, MUSC 3612, MUSC 3622, MUSC 4322, MUSC 4332, MUSC 4900, MUSC 4990

B. Concentration: Major Lesson Field .................................................................................... 37 hours
Select one of the following:
Vocal Performance
MUSC 3761 (3 hours): French, German, and Italian Diction; MUSC 3990, Major Lesson Field (16 hours, minimum 8 hours at 4000 level); Piano (6 hours);
Instrumental Performance
MUSC 3990, MUSC 4312, MUSC 4343, MUSC 4743, MUSC 4981;
Major Lesson Field (16 hours, minimum 8 hours at 4000 level); Piano (4 hours);
Private Lessons in Secondary Instruments (6 hours); Electives (5 hours).
Piano Performance
MUSC 3990, MUSC 4312, MUSC 4343, MUSC 4743, MUSC 4981,
Major Lesson Field (16 hours, minimum 8 hours at 4000 level); Piano (4 hours);
Private Lessons in Secondary Instruments (6 hours); Electives (5 hours).

Composition
MUSC 3351-3 (6 hours); MUSC 3990, MUSC 4312, MUSC 4343, MUSC 4743, MUSC 4981,
Major Lesson Field (16 hours, minimum 8 hours at 4000 level); Minor Lesson Field (6 hours); Electives (6 hours).

All Music Majors (B.M. Degree) must pass an entrance examination, a junior standing examination, and a keyboard proficiency examination. A music major is required to enroll in the major ensemble of the student’s area of concentration for 8 semesters.

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.
III. MAJOR/MINOR REQUIREMENTS .................................................. 60 hours

A. Required Core Courses ................................................................. 30 hours

MUSC 1000 Concert/Recital Attendance (7 semesters);
MUSC Band/Cchoir/Accomp/Ocla/Guitar Ens (8 semesters);
MUSC 1413, MUSC 1423, MUSC 2312, MUSC 2321, MUSC 2332, MUSC 2341,
MUSC 3313, MUSC 3321, MUSC 3333, MUSC 3341, MUSC 3513, MUSC 3523,
MUSC 3612, MUSC 3622, MUSC 4900, MUSC 4990

B. Concentration: Major Lesson Field ............................................. 30 hours

Select one of the following:

1. Instrumental/General
   - MUSC 1201 or MUSC 3801; MUSC 3642, MUSC 3652, MUSC 3662,
   - MUSC 3672, MUSC 4343, MUSC 4712, MUSC 4722;
   - Major Lesson Field (10 hours): MUSC 3802 (8 hours) and MUSC 4802 (2 hours);
   - Piano (4 hours);

2. Vocal/General
   - MUSC 3642, or MUSC 3652, or MUSC 3662, or MUSC 3672 or MUSC 3812;
   - MUSC 4343, MUSC 4712, MUSC 4732;
   - Major Lesson Field – Voice or Keyboard (10 hours): MUSC 3802 (8 hours) and
   - MUSC 4802 (2 hours);
   - MUSC 3761 (3 hours): French, German, and Italian Diction;
   - MUSC 4753; Piano (4 hours); Guided Elective (1 hour).

IV. REQUIRED EDUCATION COURSES .............................................. 33 hours

EDUC 1800, EDUC 3003, SPED 3103, EDUC 3612*, EDUC 3673, EDUC 3733,
EDUC 3753(R), EDUC 4313(R), EDUC 4653(R), EDUC 4955*(R), EDUC 4985*(R)

*R: Courses taken during professional semester.
(R): Restricted to those students who have been admitted to Teacher Education. See the undergraduate education advisor for admission requirements.

V. ADDITIONAL REQUIREMENTS

Music Education candidates must achieve a grade of C or better in selected general education and
education courses to receive credit toward a degree. If a grade of D, F, or U is achieved, the course
must be repeated.

Music Education candidates must demonstrate foreign language proficiency (listening and
speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign
Languages by passing a Department of English and Foreign Languages proficiency test or by
taking a foreign language course.

VI. ELECTIVES TO COMPLETE 143 HOURS REQUIRED FOR GRADUATION

Teacher Licensure/Certification

Students who complete the requirements for this degree and pass the state tests for certification in Music
will be eligible to apply for a standard teaching license.

MUSIC COURSES (MUSC)

1000 CONCERT AND RECITAL ATTENDANCE, 0 hours credit

Each semester the music faculty will compile a list of concerts and recitals occurring in the Lawton area.
To qualify for graduation, music majors must complete seven satisfactory semesters. Concert/recital 0
hours.

1013* AMERICAN POPULAR MUSIC, 3 hours credit

The study of the various styles in American popular music. An introduction to jazz, country-western, folk,
musical, theater, blues, rock, electronics, etc. Intended for the non-music major. Lecture 3 hours. General
Education, Humanities – Aesthetics.

1023* MUSIC APPRECIATION, 3 hours credit

Study of our cultural heritage through an acquaintance with the elements of music and a variety of musical
styles. The course includes listening to recorded music and live performance. Lecture 3 hours. General
Education, Humanities – Aesthetics.

1033* WORLD MUSIC IN CULTURE, 3 hours credit

The study of world music in various cultural contexts. An exploration of the relationships between world
music and identity, everyday life, worship and belief, dance, memory, migration, and politics. Fieldwork
and written reports emphasize the application of course content. Lecture 3 hours. General Education,
Humanities – Aesthetics and Humanities – Diversity.

1110-1 BAND, 0-1 hour credit

Performance ensemble open to all University students. Rehearsal 3-5 hours per week. Prerequisite:
Permission of Director. May be repeated for credit or non-credit.

1120-1 ORCHESTRA, 0-1 hour credit

Performance ensemble open to all University students. Rehearsal 3-5 hours per week. Prerequisite:
Permission of Director. May be repeated for credit or non-credit.

1130-1 JAZZ ENSEMBLE, 0-1 hour credit

Performance ensemble open to all University students. Rehearsal 3-5 hours per week. Prerequisite:
Permission of Director. May be repeated for credit or non-credit.

1140-1 CHOIR, 0-1 hour credit

Performance ensemble open to all University students. Rehearsal 3-5 hours per week. Prerequisite:
Permission of Director. May be repeated for credit or non-credit.

1201 CLASS LESSONS, 1 hour credit

Class instruction in an orchestral instrument, keyboard, voice or guitar. Laboratory 2 hours. Requires 5
hours practice per week. May be repeated for credit.

1413* MUSIC LITERATURE I, 3 hours credit

The study of the development of musical styles from antiquity to the Classical period and the associated
techniques of listening to music. Lecture 3 hours. General Education, Humanities – Aesthetics.

1423* MUSIC LITERATURE II, 3 hours credit

The study of the development of musical styles from the Classical period to the present and the associated
techniques of listening to music. Lecture 3 hours. Prerequisite: MUSC 1413.

2201-2 PRIVATE LESSONS, 1-2 hours credit

Private instruction in an orchestral instrument, keyboard, voice or guitar. One half-hour lesson per week per
credit enrolled, maximum one hour lesson per week. Requires minimum 5 hours per week of practice per
hour enrolled. May be repeated to a maximum 12 hours per instrument. Private lessons 1-2 hours.
Prerequisite: Department permission.

2301* MUSIC FUNDAMENTALS, 1 hour credit

An introduction to the basic signs and symbols and the theory of music. Lecture 1 hour, laboratory 1 hour.

2312* HARMONY AND STRUCTURE I, 2 hours credit

The study of the harmony and structure of music through music analysis, composition and the development
of associated functional keyboard skills. Lecture 1 hour, laboratory 2 hours. Recommended for music
majors only.

2321* SIGHT-SINGING AND EAR TRAINING I, 1 hour credit

The study and development of sight singing and ear training skills through the mastery of written, visual,
singing and aural techniques. Laboratory 2 hours. Concurrent enrollment with MUSC 2312 recommended.
2332* HARMONY AND STRUCTURE II, 2 hours credit
A continuation of MUSC 2312. Lecture 1 hour, laboratory 2 hours. Prerequisite: MUSC 2312.

2341* SIGHT-SINGING AND EAR TRAINING II, 1 hour credit
A continuation of MUSC 2321. Laboratory 2 hours. Prerequisite: MUSC 2321. Concurrent enrollment with MUSC 2332 recommended.

3160-1 SMALL ENSEMBLE, 0-1 hour credit
Participation in instrumental, keyboard, vocal or guitar ensemble. Rehearsal 2-4 hours plus practice each week. Prerequisite: Departmental permission. May be repeated for credit or non-credit.

3171 ACCOMPANYING, 1 hour credit
Piano performance experience through accompanying soloists, small and large ensembles and musical/opera productions. Rehearsal 2-4 hours plus practice each week. Prerequisite: Departmental permission. May be repeated for credit.

3313* HARMONY AND STRUCTURE III, 3 hours credit
A continuation of MUSC 2332. Lecture 3 hours. Prerequisite: MUSC 2332.

3321* SIGHT-SINGING AND EAR TRAINING III, 1 hour credit
A continuation of MUSC 2341. Laboratory 2 hours. Prerequisite: MUSC 2341. Concurrent enrollment with MUSC 3313 recommended.

3333* HARMONY AND STRUCTURE IV, 3 hours credit
A continuation of MUSC 3313. Lecture 3 hours. Prerequisite: MUSC 3313.

3351-3 COMPOSITION, 1-3 hours credit
An exploration of various compositional styles and techniques. One half-hour lesson per week per credit hour enrolled. Prerequisite: MUSC 2312.

3513* MUSIC HISTORY I, 3 hours credit
A general study of music development from antiquity through the Baroque era. Lecture 3 hours. Prerequisite: MUSC 1423.

3523* MUSIC HISTORY II, 3 hours credit
A continuation of MUSC 3513 from Classical through Contemporary music. Lecture 3 hours. Prerequisite: MUSC 3513.

3612* FUNDAMENTALS OF CONDUCTING, 2 hours credit
A beginning course in the principles of both choral and instrumental conducting. Lecture 1 hour, laboratory 2 hours.

3622 ADVANCED CONDUCTING, 2 hours credit
The techniques of reading scores, use of the baton and interpretation. Practical experience in conducting. Lecture 1 hour, laboratory 2 hours. Prerequisite: MUSC 3612.

3642 WOODWIND METHODS, 2 hours credit
The study of flute, oboe, clarinet, bassoon, and saxophone. Basic concepts of playing and teaching woodwind instruments; survey of methods, materials and field experience. Lecture 1 hour, laboratory 2 hours.

3652 BRASS METHODS, 2 hours credit
Study of trumpet, French horn, euphonium, trombone and tuba. Basic concepts of playing and teaching brass instruments; survey of methods, materials and field experience. Lecture 1 hour, laboratory 2 hours.

3662 STRING METHODS, 2 hours credit
The study of the violin, viola, violoncello, double bass and guitar. Basic concepts of playing and teaching string instruments; survey of methods, materials and field experiences. Lecture 1 hour, laboratory 2 hours.

3672 PERCUSSION METHODS, 2 hours credit
Study of fundamentals of all percussion instruments. Basic concepts of playing and teaching percussion instruments; survey of methods, materials and field experiences. Lecture 1 hour, laboratory 2 hours.

3683 MUSIC FOR THE ELEMENTARY TEACHER, 3 hours credit
Rudiments for the general teacher. Functional approach to theory, singing, rhythm and piano. Materials and methods for the classroom. Lecture 3 hours.

3761* ITALIAN, FRENCH, GERMAN DICTION, 1 hour credit
An introduction to diction in Italian, German, and French based on the song literature and using the International Phonetic Alphabet. Each language offered separately. Laboratory 2 hours.

3801-4 PRIVATE LESSONS, 1-4 hours credit
Private instruction in an orchestral instrument, keyboard, voice or guitar. One half-hour lesson per week per credit hour enrolled, maximum one hour lesson per week. Requires minimum 5 hours per week of practice per hour enrolled. May be repeated to a maximum of 12 hours per instrument. Private lessons 1-4 hours. Prerequisite: Departmental permission. Open to music majors only.

3812 INSTRUMENTAL METHODS FOR VOCAL AND KEYBOARD EDUCATION, 2 hours credit
A study of brass, woodwind, stringed, fretted and percussion instruments for Vocal Music Education and Keyboard Music Education majors. Students will learn basic techniques, performance skills, and methodology for all instrumental families. Lecture 1 hour, laboratory 2 hours.

3981-3 SEMINAR, 1-3 hours credit
A course designed to give students the opportunity to study a subject not covered in the regular course offerings or not covered in sufficient depth for their needs. Seminar 1-3 hours. Prerequisite: Departmental permission.

3990 JUNIOR RECITAL, 0 hours credit
A pre-senior performance in the student's major area of study, normally one half-hour in length. Performance 0 hours. Prerequisite: Permission of the Chair.

4312* COUNTERPOINT, 2 hours credit
A study of Eighteenth Century species counterpoint through analysis and composition. Lecture 2 hours. Prerequisite: MUSC 3333.

4322* TWENTIETH CENTURY TECHNIQUES, 2 hours credit
A study of 20th Century harmonic and melodic techniques approached through original composition, analysis and performance. Lecture 2 hours. Prerequisite: MUSC 3333.

4332* FORM AND ANALYSIS, 2 hours credit
A study of the standard polyphonic and homophonic forms of the 18th and 19th centuries. Lecture 2 hours. Prerequisite: MUSC 3333.

4343* ARRANGING, 3 hours credit
The study of the art of arranging for instrumental and vocal ensembles. Lecture 3 hours. Prerequisite: MUSC 3333.

4513-1 COMPOSITION, 1-3 hours credit
An exploration of various compositional styles and techniques. One half-hour lesson per week per credit hour enrolled. Lecture 1-3 hours. Prerequisite: Junior standing in composition. May be repeated for credit. Open to music composition majors only.
4362 COMPUTER MUSIC, 2 hours credit
An introduction to the literature, equipment and techniques of computer music. This course is designed to provide the student with practical experience in the manipulation of sound in a computerized music studio. Lecture 1 hour, laboratory 2 hours. Prerequisite: Department permission.

4702 MARCHING BAND TECHNIQUES, 2 hours credit
The study of marching band drill design, show concepts and marching pedagogy. Lecture 1 hour, laboratory 2 hours.

4712 ELEMENTARY METHODS, 2 hours credit
A professional training course for students preparing to teach elementary school music. Includes philosophies and practices of current leading music educators with classroom experience relating to conceptual approach. Teacher Certification students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours. Prerequisite: Restricted to students admitted to teacher education.

4722 SECONDARY INSTRUMENTAL METHODS, 2 hours credit
A professional training course for students preparing to teach secondary school instrumental music. Study of philosophy, psychology and pedagogy as applied to the teaching of instruments. Teacher Certification students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours. Prerequisite: Restricted to students admitted to teacher education.

4732 SECONDARY VOCAL METHODS, 2 hours credit
A professional training course for students preparing to teach secondary school vocal music. Study of philosophy and pedagogy as applied to the teaching of vocal music. Teacher Certification students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours. Prerequisite: Restricted to students admitted to teacher education.

4733* KEYBOARD LITERATURE, 3 hours credit
Survey of keyboard literature. Lecture 3 hours.

4743 KEYBOARD PEDAGOGY, 3 hours credit
The study of teaching techniques and materials for class and private instruction. Lecture 3 hours. Prerequisite: department permission.

4753 VOCAL PEDAGOGY, 3 hours credit
The study of vocal training techniques including anatomy of vocal tract, physiological process and acoustical properties, methods and materials. Lecture 3 hours. Prerequisite: Department permission.

4801-4 PRIVATE LESSONS, 1-4 hours credit
Private instruction in an orchestral instrument, keyboard, voice or guitar. One half-hour lesson per week per credit hour enrolled, maximum one hour lesson per week. Requires minimum 5 hours per week of practice per hour enrolled. May be repeated to a maximum 16 hours per instrument. Private lessons 1-4 hours. Prerequisite: Junior standing. Open to music majors only.

4900 SENIOR MUSIC CAPSTONE, 0 hours credit
A composite synthesis of focused topics including the music department's internal music examination, the Educational Testing Service online exit examination for music, the Collegiate Assessment of Academic Proficiency (university writing and critical thinking exit examination), and the strengthening of the individual student portfolio for potential career advancement and/or entry into graduate studies. Required of all music degrees (B.A., B.M., and B.M.E.) Capstone/lecture 0 hours.

4910-4 WORKSHOP, 0-4 hours credit
A concentrated specific activity utilizing lectures and practical application exercises. May be repeated for credit to a maximum of 8 hours credit. Lecture 0-4 hours.

4981-3 INDEPENDENT STUDY, 1-3 hours credit
A special study based on the needs of the individual student directly related to the student’s major.

*Liberal arts and sciences course.
DEPARTMENT OF
THEATRE ARTS

Chair—Scott Richard Klein, Professor
Assistant Professors: Abbott, Onishi, Vermillion

The Bachelor of Arts degree with a Major in Theatre provides a program of study focusing on opportunities for personal and artistic development and growth, as well as opportunities to develop collaboration, communication, reasoning and leadership skills required for professional careers in theatre or related areas. Students pursuing the program in Theatre Arts should achieve a level of competence in performance, technical theatre, and the academic areas of theatre history, literature and criticism/analysis. They acquire skills in each of these areas through the department’s course offerings, as well as through its production program. The production aspect of the program also provides an important community outreach opportunity. Non-majors may select Theatre Arts courses to fulfill humanities requirements or as electives.

BACHELOR OF ARTS DEGREE
MAJOR IN THEATRE (170)

I. GENERAL EDUCATION REQUIREMENTS .......................................................... 44 hours
II. UNIVERSITY REQUIREMENTS ................................................................. 1-3 hours
    UNIV 1001 or 1113
III. MAJOR REQUIREMENTS ............................................................................. 56 hours
    All Theatre majors are required to keep a portfolio of their work and complete a final project. (See advisor for details.)
A. Required Core Courses ............................................................................. 38 hours
    THTR 1001 (8 semesters); THTR 1103, THTR 1203, THTR 2403, THTR 2603,
    THTR 3403, THTR 3803, THTR 3813, THTR 3823, THTR 3833, THTR 4993
B. Option ........................................................................................................ 15 hours
    Select one of the following options:
    Performance
    THTR 1133, THTR 1503, THTR 1603, THTR 3603, THTR 4603
    Technical
    THTR 1503 or THTR 3703, THTR 2203, THTR 2503, THTR 3303, and either
    THTR 4203, THTR 4303, or THTR 4503
C. Electives in Theatre .................................................................................... 3 hours
    May include the following: THTR 1901-3, THTR 3901-3, THTR 4901-3,
    THTR 4911-3, THTR 4921-6
IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

THEATRE ARTS COURSES (THTR)

1001 THEATRE PRACTICUM, 1 hour credit
A required course open only to theatre majors. Each theatre major, while in residence, must contribute a minimum of three hours per week per semester to assignments in one or more of the following areas: Box Office, Costuming, Promotion, and Scenery Construction. These three hours are independent of and in addition to any other course, work-study, or laboratory assignments. Practicum 1 hour.

1103* INTRODUCTION TO THEATRE, 3 hours credit
An exploration of the theatre as an art form including forms of drama, styles of production, relationship of performer to audience, basic acting/directing techniques and theories, technical theatre, responsibilities of personnel and performers and how to view a play. Primarily a discussion and observation course with emphasis on building a vocabulary of theatre terms. Lecture 3 hours. General Education, Humanities – Aesthetics.

1133* VOICE AND DICTION, 3 hours credit
A general study of the structure of the vocal mechanism; principles of vocal quality, articulation, and pronunciation. Lecture 3 hours.

1203* TECHNICAL PRODUCTION, 3 hours credit
An introduction to technical theatre: stage management, scenery, and lighting. Responsibilities and procedures of the stage manager; methods and materials used in construction and rigging of stage scenery; lighting techniques, instruments and principles; stage terminology. Lecture 3 hours. Prerequisite: THTR 1103 or concurrently enrolled in THTR 1103.

1503* MAKE-UP, 3 hours credit
Principles and practice of application of stage make-up; corrective, character, old age, likeness, and fantasy. Lecture 2 hours, laboratory 2 hours.

1603 STAGE MOVEMENT, 3 hours credit
A general understanding of the use and connection of the body and mind as an expressive instrument. Through various theories and techniques to be introduced, a student will develop physically and mentally in strength, agility, flexibility, coordination, flow and balance. The student will also be introduced to current movement theories used in actor training. Lecture 1 hour, laboratory 2 hours.

1901-3 THEATRE LAB, 1-3 hours credit
Open to all University students. Laboratory experience in performance, technical production, and management. Arranged around the student's schedule. May be repeated for credit. Laboratory 1-3 hours. Permission of instructor.

2203* STAGECRAFT, 3 hours credit
Intensive study and practice in planning, layout, construction, and painting of the stage setting. Tools, materials, and resources used by the stage technician. Lecture 2 hours, laboratory 2 hours. Prerequisite: THTR 1203 or permission of instructor.

2403 STAGE MANAGEMENT, 3 hours credit
The techniques of production stage management, including preparing the prompt script, rehearsal procedures, organizing the technical elements, cueing and running the performance. Lecture 3 hours. Prerequisite: THTR 1203 or permission of instructor.

2503* COSTUME TECHNIQUES, 3 hours credit
Basic costume skills and sewing techniques will be studied. Various types of sewing and construction will be explored along with work in pattern development. Other costume skills which include script analysis, costume plots, renderings and presentation of costume designs will be studied. Lecture 2 hours, laboratory 2 hours.

2603* ACTING I, 3 hours credit
Development of basic acting skills including self-awareness, movement, verbal and non-verbal communication, improvisation and working within an ensemble. Lecture 2 hours, laboratory 2 hours. Prerequisite: THTR 1103 or concurrently enrolled in THTR 1103.

3303* LIGHTING, 3 hours credit
Mechanics of stage lighting: instrumentation, basic electricity, control systems, color mixing, and graphic presentation. Involves participation in preparing lighting for major productions. Lecture 2 hours, laboratory 2 hours. Prerequisite: THTR 1203 or permission of instructor.
3403* DIRECTING, 3 hours credit
A study of directing fundamentals including script selection and analysis, concept development, casting, rehearsing, and staging a production. Lecture 2 hours, laboratory 2 hours. Prerequisites: THTR 1203 and THTR 2603 or permission of instructor.

3603* ACTING II, 3 hours credit
Basic acting skills applied to memorized scene work. Techniques of character development and script analysis using scenes from contemporary scripts. Scene study. Lecture 2 hours, laboratory 2 hours. Prerequisite: THTR 2603.

3703* AUDIO, 3 hours credit
The nature of sound; operating principles and choice of equipment; design of reinforcement, effects and communications systems. Aesthetic use of sound and role of the sound designer. Projects in practical application. Lecture 3 hours.

3803* THEATRE AND DRAMA: THE BEGINNINGS, 3 hours credit
A study of the evolution of drama, theatre architecture, technical theatre, acting and directing from the beginnings of theatre and drama to the Italian Renaissance. Lecture 3 hours.

3813* THEATRE AND DRAMA: THE RENAISSANCE AND JAPAN, 3 hours credit
A study of the evolution of drama, theatre architecture, technical theatre, acting, and directing during the Renaissance (1400-1700) and an overview of Japanese theatre history and drama. Lecture 3 hours.

3823* THEATRE AND DRAMA: THE EIGHTEENTH AND NINETEENTH CENTURIES, 3 hours credit
A study of the evolution of drama, theatre architecture, technical theatre, acting, and directing from 1660 England to the birth of realism. Lecture 3 hours.

3833* THEATRE AND DRAMA: THE TWENTIETH CENTURY AND CHINA, 3 hours credit
A study of the evolution of drama, theatre architecture, technical theatre, acting, and directing during the 20th Century and including an overview of Chinese theatre. Lecture 3 hours.

3901-3 WORKSHOP, 1-3 hours credit
Experimentation, reading, research, lecture and/or discussion in various areas of theatre history, technology, performance and practice. Designed to give intensive emphasis to a specific area of theatre including improvisation, directing projects, designs, original scripts, etc. Laboratory 2-6 hours. Prerequisite: Permission of the department. May be repeated for credit.

4203* SCENE DESIGN, 3 hours credit
Theories and principles of design for the stage. History, styles, and aesthetics of scenic elements. Projects in analysis, research, and communication of a concept through graphic means. Lecture 3 hours. Prerequisite: THTR 2203.

4303* LIGHTING DESIGN, 3 hours credit
Investigation and evaluation of lighting practice and artistry. Creation of the design concept, light plots, and schemes of execution. The role of the lighting designer in the contemporary theatre. Lecture 3 hours. Prerequisite: THTR 3303.

4503* COSTUME DESIGN, 3 hours credit
Principles of costume design for the stage: development and rendering of design concepts; use of historic, stylistic and fantasy elements in stage realization. Lecture 3 hours. Prerequisite: THTR 2503.

4603* ACTING III: PERIOD STYLES, 3 hours credit
Lecture, monologue, and scene work in period acting styles with a concentration on the works of William Shakespeare in order to develop an appreciation and understanding of the different acting styles from antiquity to the present day. Lecture 2 hours, laboratory 2 hours. Prerequisite: THTR 3603.

4901-3 INDEPENDENT STUDY, 1-3 hours credit
An individual study course of advanced nature. Subject matters vary with background and interest of student. Independent study 1-3 hours. Prerequisite: Permission of department. May be repeated for credit.

4911-3 SEMINAR, 1-3 hours credit
Concentrated investigation of specific problems and/or areas in theatre. Seminar 1-3 hours. Prerequisite: Permission of department. May be repeated for credit.

4921-8 INTERNSHIP, 1-8 hours credit
Off-campus work with regional or national theatre companies and firms specializing in theatrical goods and services. Open only to juniors and seniors with permission of the department. May be repeated for credit. Internship 1-8 hours.

4993 THEATRE ARTS CAPSTONE, 3 hours credit
A reflection on the skills and knowledge at the culmination of Theatre Arts studies. The student will complete in-depth research and analysis in order to realize a project in the production program. In addition, the student will document their progress of collaboration and artistic choices. As part of this process, the student will finalize their portfolio(s) which should be at the level to be submitted to graduate school and/or as a working professional. The student will also make an oral presentation of their portfolio and an oral defense of their project. Capstone/lecture 3 hours. Prerequisite: Senior standing.

FINE ARTS COURSE (FNAR)

1013* EXPLORING MULTICULTURALISM THROUGH THE ARTS, 3 hours credit
An interdisciplinary course which presents a cross-cultural exploration of the world through a study of representative art forms - art, communications, dance, music, and theatre. Lecture 3 hours. General Education, Humanities – Aesthetics and Humanities – Diversity.

*Liberal arts and sciences course.
DEPARTMENT OF AGRICULTURE

Chair – Leon Fischer, Professor

The Agriculture Department offers the Bachelor of Science Degree with a major in Agriculture. Students majoring in Agriculture must choose a concentration in Agronomy, Animal Science or Environmental Science. Majors may also elect the Agricultural Business Management option with any concentration or the Environmental Science option. Courses required of the agriculture major are chosen to achieve breadth of coverage of the agricultural and environmental sciences. The major is designed to prepare the graduate for careers in business, service, and agricultural production. Graduates are employed by government agencies such as the Natural Resources Conservation Service and the Farm Services Administration, in commercial banking institutions and with cooperative lenders such as Production Credit Associations or Federal Land Banks. Graduates may find employment as technical representatives for firms that manufacture and/or distribute seed, fertilizer, and agrichemicals. Nationwide, many graduates are employed in the agricultural industries which process and market food. Those with agriculture degrees will also find opportunities as managers of production agriculture firms or they may establish and own farms and ranches. The agriculture major includes many courses that satisfy requirements for entry into schools of veterinary medicine. The program also prepares graduates for entry into Masters' degree programs in the agricultural, environmental and natural resource sciences.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ............................................................................ 1-3 hours

   UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ...................................................................................... 42-71 hours

   A. Required Core Courses .................................................................................. 30 hours

      AGRC 2423, AGRC 4572, AGRC 1124, AGRC 1214, AGRC 1334,
      AGRC 2124, ENSC 2004, ESCI 1135

   B. Recommended Support Courses ................................................................... 18-21 hours

      CHEM 1364/1361, CHEM 1474/1471*, CHEM 3345 or
      CHEM 3314 and 3324, STAT 2013

      *Required for CHEM 3113, CHEM 3334, CHEM 3314, CHEM 3324

   C. Concentrations and Options

      Majors must select from one of the following concentrations or options:

      Animal Science Concentration ........................................................................ 18 hours

         Required Courses ......................................................................................... 4 hours

         AGRC 1124

         Elective Courses ........................................................................................... 14 hours

         Choose 14 hours from the following:

         ANIM 3102, ANIM 3112, ANIM 3133, ANIM 3653, ANIM 4113,
         ANIM 4123, ANIM 4133, ANIM 4333, ANIM 4423, ANIM 4434,
         other courses approved by the Chair.

      Agronomy Concentration .................................................................................. 22 hours

         Required Courses .......................................................................................... 8 hours

         AGRC 1214 and AGRC 2124
Election Courses .................................................. 14 hours
Choose 14 hours from the following: AGRN 3213, AGRN 3312,
AGRN 3434, AGRN 3513, AGRN 3683, AGRN 4123, AGRN 4223,
AGRN 4234, AGRN 4673, other courses approved by the Chair.

Agriculture Business Management Option* ..................................... 49-53 hours
Animal Science or Agronomy Concentration Courses ...18 or 22 hours

Required Courses ........................................................................... 22 hours
AGRC 1334, AGRC 3303, AGRC 3413, ACCT 2013,
BUS 3213, MGMT 3013, MKTG 3143

Electives .......................................................................................... 9 hours
Choose 9 hours from the following: FIN 3313, FIN 3603, FIN 3623,
MKTG 3433, MKTG 3533, other courses approved by the Chair.

Environmental Science Option* ..................................................... 41 hours

Required Courses .......................................................................... 22 hours
AGRC 1214, AGRC 2124, ENSC 2004, CHEM 1364/1361,

Electives .......................................................................................... 9 hours
Choose 9 hours from the following: AGRN 3434, AGRN 3683,
AGRN 4223, BIOL 2124, CHEM 3113, CHEM 3334, other

courses approved by the Chair.

*No minor is required for either the Agriculture Business Management or
the Environmental Science option.

IV. MINOR REQUIREMENTS ............................................................. 18 hours

V. ELECTIVES TO COMPLETE 124 SEMESTER HOURS REQUIRED FOR GRADUATION.

AGRONOMY COURSES (AGRN)

3213 FORAGE, RANGE, AND PASTURE CROPS, 3 hours credit
Principles of production management, utilization, and improvement of forages for livestock. Lecture 3 hours.
Prerequisites: AGRC 1214.

3312 CROP SCIENCE LABORATORY, 2 hours credit
Application of principles of field crop science in laboratory and field to include seed and plant
identification, implement calibration, and field research techniques. Laboratory 4 hours. Prerequisites:
Concurrent enrollment in AGRN 3213, AGRN 3523, AGRN 4123, or AGRN 4673.

3434* SOIL MORPHOLOGY, GENESIS, AND CLASSIFICATION, 4 hours credit
Taxonomy of Soils. A study of the internal differentiating characteristics of soils and their causal processes;
the U. S. comprehensive system of soil classification; soil survey techniques. Lecture 3 hours, laboratory 2 hours.
Prerequisite: AGRN 3213.

3513 FIBER AND OILSEED CROPS, 3 hours credit
Principles of Fiber and oilseed crop production, distribution, classification, and improvement. Lecture 3 hours.
Prerequisites: AGRC 1214.

3683 SOIL PHYSICAL PROPERTIES, MANAGEMENT, AND CONSERVATION, 3 hours credit
Identification, description, maintenance and management of soil physical properties. Management and
conservation of soil resources. Lecture 2 hours, laboratory 2 hours. Prerequisite: AGRN 2124.

4103 PRECISION AGRICULTURE, 3 hours credit
A course designed for students who desire to understand the acquisition and analysis of geographically
referenced data for the management of crop production systems. Topic include: mapping, map projections,
implementation of global positioning systems, data formats, geographic information systems, grid
sampling, soil fertility and physical properties, yield monitoring, variable-rate application, crop modeling
and economics. Lecture 3 hours.

4123* PRINCIPLES OF PLANT PHYSIOLOGY, 3 hours credit
Functions, nutrition, metabolism, and development of higher plants, including water relations,
photosynthesis, respiration and growth. Cross-listed as BIOL 4163. Lecture 3 hours. Prerequisite: AGRC
1214 or BIOL 1114.
4223 PESTICIDES, 3 hours credit
Identification, distribution, characteristics, and methods of controlling pests. Lecture 3 hours. Prerequisites: CHEM 1004 and AGRC 1214.

4234* SOIL FERTILITY AND MANAGEMENT, 4 hours credit
Mineral nutrition of plants grown in soil. Soil forms of elements essential for plant growth, factors affecting their availability to higher plants, and their chemical/biological transformations in the soil. Evaluation of soil fertility; fertilizer manufacture and use. Lecture 3 hours, laboratory 2 hours. Prerequisites: AGRC 2124.

4673 GRAIN CROPS, 3 hours credit
Principles of grain crop production, classification, and improvement. Lecture 3 hours. Prerequisites: AGRC 1214.

**ANIMAL SCIENCE COURSES (ANIM)**

3102 LIVESTOCK EVALUATION, 2 hours credit
Instruction in selection, evaluating, fitting, showing, and judging of livestock. Laboratory 4 hours.

3112 ADVANCED LIVESTOCK EVALUATION, 2 hours credit
This course is a continuation of ANIM 3102. Laboratory 4 hours. Prerequisite: ANIM 3102.

3133 BREEDS OF LIVESTOCK, 3 hours credit
Study of the origin, history, development and characteristics of livestock breeds and of the specific purposes of each breed. Lecture 3 hours. Prerequisite: AGRC 1124.

3143 EQUINE SCIENCE, 3 hours credit
Scientific principles of equine anatomy, physiology, genetics, reproduction, breeding, nutrition, and health; current management practices based on these principles. Overview of the equine industry including career choices. Lecture 3 hours.

3653 APPLIED NUTRITION, 3 hours credit
Basic principles of animal nutrition including composition, characteristics, digestion, absorption, and metabolism of various feedstuffs and ration additives, qualitative and quantitative nutrient requirements of each of the classes of livestock, formulation of rations for each of the classes of livestock. Lecture 2 hours, laboratory 2 hours. Prerequisites: AGRC 1124 and CHEM 1364/1361.

4113 BEEF CATTLE SCIENCE, 3 hours credit
Application of scientific principles and recent advances to the production, feeding, breeding, management, and marketing of commercial and purebred cattle. Lecture 2 hours, laboratory 2 hours. Prerequisites: ANIM 3653, 4434 and senior standing.

4123 SWINE SCIENCE, 3 hours credit
The application of genetics, physiological, nutritional and engineering principles to the efficient production of swine. Swine evaluation and marketing. Lecture 2 hours, laboratory 2 hours. Prerequisites ANIM 3653 and ANIM 4434.

4133 SHEEP SCIENCE, 3 hours credit
Breeding, feeding, management, and marketing of commercial and purebred sheep. Lecture 2 hours, laboratory 2 hours. Prerequisites: ANIM 3653 and ANIM 4434.

4333* PHYSIOLOGY OF DOMESTIC ANIMALS, 3 hours credit
The comparative physiology of digestion, circulation, production, reproduction and environment of farm animals. Lecture 3 hours. Prerequisites: CHEM 1004 and AGRC 1124.
DEPARTMENT OF BIOLOGICAL SCIENCES

Chair – Carla Guthridge, Professor
Professor – Conley
Associate Professors: Dunn, D. Frisby, Husak
Assistant Professors: T. Frisby, R. Games, Van Sant
Instructors: Brayfield, L. Gaines, McDonald, Stockman

The study of biology provides an understanding of living things in the world around us. Biologists examine life at the ecosystem, community, population, organisinal, cellular, and molecular levels in their attempt to understand the mechanisms involved in the development, evolution, and interrelationships between organisms at these various levels. The department offers the Bachelor of Science Degree in biology, biology education, and medical technology, the Associate of Science in allied health sciences, and the Associate in Applied Science in medical laboratory technology and respiratory care.

BACHELOR OF SCIENCE DEGREE
MAJOR IN BIOLOGY (310)

There are two areas of concentration within the biology program. Cell and molecular biology concentration provides introduction to exciting areas of modern biology and their importance in many facets of biological and biomedical research. This concentration is also recommended for those students interested in attending a professional school upon completion of their bachelors program to become physicians, or those interested in research careers in biomedical sciences. Organismal biology concentration focuses on animal and plant biology. These field-oriented areas are also for individuals interested in wildlife management, ecology, the environment, and related fields. Both areas of concentration prepare students for entry into master and doctoral graduate programs throughout the country.

Biology is also an appropriate major for those interested in allied health areas such as physical therapy, occupational therapy, physician assistant programs, etc. While these programs must be pursued elsewhere, Cameron University can provide the prerequisite course work.

I. GENERAL EDUCATION REQUIREMENTS ........................................................................ 44 hours
The Biology program requires specific courses for meeting General Education requirements in mathematics, biological science, and physical science as follows:

Mathematics – MATH 1513 or higher
Biological Science – BIOL 1364
Physical Science – CHEM 1361 and 1364

II. UNIVERSITY REQUIREMENTS .................................................................................. 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ............................................................................................. 80 hours
A. Required Core Courses ............................................................................................ 46 hours
   BIOL 1364, BIOL 1474, BIOL 2124, BIOL 2144, BIOL 2154, BIOL 2881, BIOL 3014, and BIOL 4901
B. Concentration ............................................................................................................ 20 hours
   Choose one of the following:
   Organismal Biology Concentration
   Required Courses ...................................................................................................... 7 hours
   BIOL 3043 and BIOL 3064

   Electives ...................................................................................................................... 13 hours
   Category A (Minimum 1 course): BIOL 3024, BIOL 3054, BIOL 3074, BIOL 3084, BIOL 3114, BIOL 4014, BIOL 4024, BIOL 4054, BIOL 4064,
   BIOL 4154, BIOL 4121-4 (Maximum 4 hours of upper level credit)
   Category B (Minimum 1 course): BIOL 2034, BIOL 3093, BIOL 3104, BIOL 3174, BIOL 4004, BIOL 4114, BIOL 4163

   Cell and Molecular Concentration
   Required Courses ...................................................................................................... 8 hours
   BIOL 3174 and BIOL 4174
   Electives ...................................................................................................................... 12 hours
   Category A (Minimum 2 courses): BIOL 2134 or 4004, BIOL 3093, BIOL 3124, BIOL 4114
   Category B (Minimum 1 course): BIOL 2034 or BIOL 3104, BIOL 3034, BIOL 3043, BIOL 4121-4 (Maximum 4 hours of upper level credit);
   BIOL 4154

IV. MINOR (CHEMISTRY) REQUIREMENTS ..................................................................... 18 hours
   CHEM 1364 and 1361, CHEM 1474 and 1471, CHEM 3314, CHEM 3324
If minor is not Chemistry, more than 124 hours will be required to graduate.

V. ADDITIONAL REQUIREMENTS .................................................................................. 16-22 hours
   MATH 1613 or higher; PHYS 1115 or PHYS 2015; PHYS 1215 or 2025;
   MIS 2113; CHEM 4403* and CHEM 4413* (*Cell and Molecular concentration only.)

VI. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

BACHELOR OF SCIENCE DEGREE
MAJOR IN BIOLOGY EDUCATION (315)

I. GENERAL EDUCATION REQUIREMENTS ...................................................................... 44 hours
The Biology Education program requires specific courses for meeting General Education requirements in mathematics, biological science, physical science, humanities, and behavioral science as follows:

Mathematics – MATH 1513, 1613, or 2215
Biological Science – BIOL 1364
Physical Science – CHEM 1361 and 1364
Humanities – 3 hours chosen from: ART 1013, ART 2613, ART 2623, THTR 1103, FNAR 1013, MUSC 1013, MUSC 1023, MUSC 1033, or MUSC 1413 and
3 hours chosen from: HIST 2113, HIST 2223, PHIL 1113
Behavioral Science – PSY 1113

II. UNIVERSITY REQUIREMENTS .................................................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ............................................................................................. 80 hours
A. Required Core Courses ............................................................................................ 44 hours
   BIOL 1474, BIOL 2034, BIOL 2124, BIOL 2134, BIOL 2144, BIOL 2154,
   BIOL 3014, BIOL 3043, BIOL 4122, BIOL 4772, CHEM 1474/1471,
   CHEM 3314

   B. Required Education Courses ................................................................................ 33 hours
   EDUC 1800, EDUC 2034, EDUC 3003, SPED 3103, EDUC 3774, EDUC 3783(R),
   EDUC 3673, EDUC 4654(R), EDUC 4313(R), EDUC 3612*, EDUC 4965*,
   EDUC 4975*
   *Courses taken during professional semester.
   (R) Restricted to those students who have been admitted to Teacher Education.
   C. Guided Electives ..................................................................................................... 3 hours
   ENGL 3003, ENGL 3063, ENGL 3073
IV. ADDITIONAL REQUIREMENTS
Biology Education candidates must achieve a grade of C or better in all major courses (required core courses and required education courses to receive credit toward a degree. If a grade of D, F, or U is achieved, the course must be repeated.

Biology Education candidates must demonstrate foreign language proficiency (listening and speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign Languages by passing a Department of English and Foreign Languages proficiency test or by taking a foreign language course.

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

Teacher Licensure/Certification
Student who complete the requirements for this degree and pass the state tests for certification in Biology will be eligible to apply for a standard teaching license.

BACHELOR OF SCIENCE DEGREE
MAJOR IN MEDICAL TECHNOLOGY (570)

Medical technologists work primarily in hospital laboratories (clinical chemistry, microbiology, blood banking, immunology, etc.). The bachelor’s program in medical technology consists of three academic years of course work at Cameron (see below) and a year of work under the direction of hospital personnel at any hospital approved by the National Accrediting Agency for Clinical Laboratory Science.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
The Medical Technology program requires specific courses for meeting General Education requirements in mathematics, biological science, and physical science as follows:
Mathematics – MATH 1513 or higher
Biological Science – BIOL 1364
Physical Science – CHEM 1361 and 1364

II. UNIVERSITY REQUIREMENTS ........................................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .................................................................................... 78 hours

Required Courses
BIOL 1474, BIOL 2124, BIOL 2134 or BIOL 4004, BIOL 2881, BIOL 3014,
BIOL 3093, BIOL 3174, BIOL 4174, BIOL 4901, CHEM 1474/1471, CHEM 3314,
CHEM 3324, CHEM 4403, CHEM 4413, MT 4117, MT 4125, MT 4236, MT 4246,
MT 4325, and MT 4351.

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

ASSOCIATE IN APPLIED SCIENCE DEGREE
MAJOR IN MEDICAL LABORATORY TECHNOLOGY (571)

This program is a collaborative offering between Cameron University and Great Plains Technology Center.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 20 hours
The Respiratory Care program requires specific courses for meeting General Education requirements as follows: ENGL 1113, ENGL 1213, MATH 1513,
HIST 1483 or HIST 1493, CHEM 1364 and 1361, PS 1113

II. UNIVERSITY REQUIREMENTS ........................................................................... 1-3 hours
UNIV 1001 or 1113

III. SUPPORT AND RELATED COURSE REQUIREMENTS .................................. 16 hours
BIOL 1364, BIOL 2034, BIOL 2124, BIOL 2134

IV. PROFESSIONAL COURSE REQUIREMENTS ...................................................... 34 hours
Great Plains Technology Center Medical Laboratory Technology Program

V. ELECTIVES TO COMPLETE 71-73 HOURS REQUIRED FOR GRADUATION

ASSOCIATE IN APPLIED SCIENCE DEGREE
MAJOR IN RESPIRATORY CARE (575)

This program is a collaborative offering between Cameron University and Great Plains Technology Center.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 15 hours
The Respiratory Care program requires specific courses for meeting General Education requirements as follows: ENGL 1113, HIST 1483 or HIST 1493,
PS 1113, MATH 1513, COMM 1113

II. SUPPORT AND RELATED COURSE REQUIREMENTS .................................. 16 hours
BIOL 1012, CHEM 1004, PHYS 1004, GUIDED ELECTIVE(S) (6 hours)

III. TECHNICAL OCCUPATIONAL SPECIALTY REQUIREMENTS .................... 32 hours
Great Plains Technology Center Respiratory Care Program

IV. ELECTIVES TO COMPLETE 63 HOURS REQUIRED FOR GRADUATION

ASSOCIATE IN APPLIED SCIENCE DEGREE
MAJOR IN ALLIED HEALTH SCIENCES (565)

The Allied Health Sciences program requires specific courses for meeting General Education requirements in mathematics, biological science, physical science, and behavioral science as follows:
Mathematics – MATH 1513
Biological Science – BIOL 1214
Physical Science – CHEM 1361 and 1364 or CHEM 1004 or PHYS 1004
Behavioral Science – PSY 1113

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours

II. UNIVERSITY REQUIREMENTS ........................................................................... 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS .................................................................................... 23-24 hours

A. Required Courses .................................................................................................. 11 hours
AHS 1003, BIOL 2034, BIOL 2134

B. Additional Requirements .................................................................................... 12-13 hours
Select from the following classes; consult advisor and appropriate catalogs:
BIOL 2013, BIOL 2124, HLTH 1063, HLTH 2213, PSY 3353,
STAT 1513, Approved elective (3 hours)

IV. ELECTIVES TO COMPLETE 68-71 HOURS REQUIRED FOR GRADUATION

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

MAJOR IN ALLIED HEALTH SCIENCES (565)
ASSOCIATE IN APPLIED SCIENCE NURSING DEGREE  
WESTERN OKLAHOMA STATE COLLEGE  
(In cooperation with Western Oklahoma State College)

This program is planned in cooperation with Western Oklahoma State College. To be eligible to apply for admission to the associate degree nursing program, the applicant for this program must have a minimum cumulative GPA of 2.0 on a 4.0 scale and must have a minimum grade of “C” in all Technical, Occupational Support and Related courses. NOTE: A student planning for admission to the nursing program at another college or university should consult an advisor at that institution each semester to get current requirements. Nursing courses cannot be used as a minor for degrees granted by Cameron University.

PREREQUISITE COURSES:
- MATH 1513 College Algebra
- BIOL 2034 Human Anatomy (with Lab)
- CHEM 1364 General Chemistry I
- CHEM 1361 General Chemistry I Lab
- BIOL 2134 Human Physiology (with Lab)
- CIS 1013 Introduction to Computer Information Systems
- PSYCH 1113 General Psychology
- ENGL 1113 English Composition I
- PS 1113 American Federal Government
- HIST 1483 U.S. History to 1865 OR
- HIST 1493 U.S. History Since 1865

ALLIED HEALTH SCIENCES COURSES (AHS)

1003 INTRODUCTION TO PUBLIC HEALTH, 3 hours credit
Introduction to Public Health introduces the major concepts and principles of public health and the options for intervention to promote health and prevent disease. It is not applicable to the Biology major or minor. Lecture 3 hours. Prerequisites: Must be MATH 1513 eligible.

BIOLOGY COURSES (Biol)

1004* GENERAL BIOLOGY, 4 hours credit
A life science laboratory course for non-science majors. Students should learn the principles of cell structure/function, genetics, evolution and organismal diversity, ecology, and the scientific method. Such principles will be applied in discussions of biotechnology, conservation of biodiversity and natural resources, human population growth, and global environmental changes. Not applicable to the Biology major or minor, Biology Education major, Medical Technology or Medical Laboratory Technology major, or Allied Health Science major. Lecture 3 hours, laboratory 2 hours. Prerequisites: Student must be eligible to take MATH 1413 or higher. General Education Laboratory Science, Biological Science.

1002 ESSENTIAL HUMAN ANATOMY & PHYSIOLOGY, 2 hours credit
Introductory one-semester survey of the structure and function of the human body, with emphasis on internal organs. Strongly recommended for students requiring math/English remediation before taking BIOL 2034 and BIOL 2134. Does not fulfill pre-health-career requirements (pre-nursing, pre-physical therapy, etc.) except for respiratory care. Lecture 2 hours.

1114* PLANTS AND CULTURE, 4 hours credit
A general education course that will explore the historical, social, and economic relationships between plants and people. Topics covered in class include a brief introduction to the plant kingdom and plant anatomy and morphology with more in depth coverage of human plant usage including foods, beverages, spices, fibers, and medicines. The lab portion of the course will in part involve hands-on production of plant products, and where appropriate (and legal) include sampling these products. Not applicable to biology major or minor or medical technology major. Lecture 3 hours, laboratory 2 hours. General Education Laboratory Science, Biological Science.

1214* HUMAN BIOLOGY, 4 hours credit
Human Biology is a general education science lab course that introduces the basic concepts of biology, using humans and society as a focus. After establishing the molecular and cellular basis of life, the course describes and investigates the structure and function of the human body with an emphasis on homeostasis. It concludes with an examination of the principles of evolution and ecology, again focusing on human impact on the environment. It is not applicable to the Biology major or minor. Lecture 3 hours, laboratory 3 hours. Prerequisites: Student must be eligible to take MATH 1513. General Education Laboratory Science, Biological Science.

1364* PRINCIPLES OF BIOLOGY I, 4 hours credit
An introduction to the physical, chemical and biological principles associated with life from the subcellular to ecosystem level. Lecture 3 hours, laboratory 3 hours. Prerequisites: Student must be eligible to take MATH 1513. General Education Laboratory Science, Biological Science.

1474* PRINCIPLES OF BIOLOGY II, 4 hours credit
A continuation of BIOL 1364. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 1364.

2013 MEDICAL TERMINOLOGY, 3 hours credit
An introduction to the prefixes, roots, and suffixes used to construct medical terms. A systems approach will be used to survey the basic anatomy and physiology of the human body, followed by selected terms defining the pathology, diagnostic procedures, and treatment procedures of each system. Emphasis will be on learning to pronounce, spell, and define all terms. Lecture 3 hours.

2034* HUMAN ANATOMY, 4 hours credit
Introductory anatomy with emphasis on histology and human gross anatomy. Will not satisfy General Education science credit. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 1004 or 1214. Student must be eligible to take MATH 1513.

2121-2 SPECIAL STUDIES, 1-2 hours credit
Selected topics in biology which may include lecture, laboratory and/or field trips. Will not satisfy General Education science requirements. May be repeated for a maximum of 3 credit hours. Lecture 1-2 hours.

2124* INTRODUCTION TO MICROBIOLOGY, 4 hours credit
A survey of the principles and techniques of microbiology with emphasis on disease prevention and health maintenance. Will not satisfy General Education science requirements. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 1004 or BIOL 1214 or BIOL 1364, CHEM 1364 and CHEM 1361, and MATH 1513.

2134* HUMAN PHYSIOLOGY, 4 hours credit
Emphasis is on concepts and principles that serve as a foundation for understanding human physiology. Laboratory experiences demonstrate physiological mechanisms and serve as a basis for understanding clinical applications of physiology. Lecture 3 hours, laboratory 3 hours. Prerequisites: CHEM 1364 and CHEM 1361, MATH 1513, and either BIOL 2034 or the combination of BIOL 1364 and BIOL 1474. Will not satisfy General Education science requirements.

2144* BOTANY, 4 hours credit
A survey of the plant kingdom stressing structure, function, life histories, and ecology. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 1474.

2154* ZOOLOGY, 4 hours credit
A phylogenetic and comparative survey of the animal kingdom that treats evolutionary, ecological, zoogeographical and morphological aspects of each phylum. Emphasis is on classification as it reflects evolutionary adaptation. Economic impact of wild animals on society and natural resource conservation are considered. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 1474.
2881 BIOLOGY SEMINAR, 1 hour credit
A general seminar course for biology majors. Seminar 1 hour. Prerequisite: 20 hours of biology core courses (BIOL 1364, BIOL 1474, BIOL 2124, BIOL 2144, BIOL 2154 or concurrent enrollment).

3004* PHYCOLOGY, 4 hours credit
Morphology, classification and ecology of the fresh water algae. Lecture 3 hours, laboratory 3 hours, field trips. Prerequisite: BIOL 2144.

3014* PRINCIPLES OF GENETICS, 4 hours credit
A general course in the cellular and molecular mechanisms of heredity. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2124.

3024* ENTOMOLOGY, 4 hours credit
Structure, life history, and recognition of common insects. Lecture 3 hours, laboratory 3 hours, field trips. Prerequisite: BIOL 2154.

3034* DEVELOPMENTAL BIOLOGY, 4 hours credit
The development of the vertebrate body from gametogenesis through early organ formation. Primary emphasis on development of fish, frog, chick and pig. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2154 and BIOL 3014.

3043* EVOLUTION, 3 hours credit
Historical development of evolutionary concepts, and current theories to account for speciation, evolutionary mechanisms, and phylogenetic relationships. Lecture 3 hours. Prerequisite: BIOL 2124 and BIOL 2144 or BIOL 2154.

3054* PLANT TAXONOMY, 4 hours credit
Classification of flowering plants with emphasis on the flora of the area. Lecture 3 hours, laboratory 3 hours, and field trips. Prerequisite: BIOL 2144.

3064* ECOLOGY, 4 hours credit
General principles of biotic and abiotic interrelationships including sampling techniques, productivity, energy flow, interspecific association and biomes. Field trips arranged. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2144 or BIOL 2154.

3074* NATURAL HISTORY OF THE VERTEBRATES, 4 hours credit
Ecology, taxonomy and life histories of vertebrates. Field trips arranged. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2154.

3084* ORNITHOLOGY, 4 hours credit
Identification, ecology, distribution and population dynamics of birds, with emphasis on locally occurring species. Family and ordinal characters are stressed. Lecture 3 hours, laboratory 3 hours, field trips arranged. Prerequisite: BIOL 2154.

3093* IMMUNOLOGY, 3 hours credit
Nature and mechanisms of natural and acquired resistance including humeral and cellular immunity. Characteristics of antigens and antibodies and of their interaction; transplantation reactions and hypersensitivities. Lecture 3 hours. Prerequisite: BIOL 2124.

3104* COMPARATIVE VERTEBRATE ANATOMY, 4 hours credit
Functional morphology and evolution of organ systems in representative chordates. This course emphasizes biomechanics and environmental adaptation, and fulfills the needs of pre-professionals and biology majors. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2154.

3114* MAMMALOGY, 4 hours credit
Classification, life histories, and distribution of mammals. Methods of collection and preservation. Lecture 3 hours, laboratory 3 hours, field trips arranged. Prerequisite: BIOL 2154.

3124* HISTOLOGY, 4 hours credit
Structure of animals at tissue and organ levels with emphasis on recognition and function of mammalian tissues and organs. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2034 or BIOL 2154.

3174* MOLECULAR CELL BIOLOGY, 4 hours credit
Structural and functional organization of cells in terms of their organelles, molecules, and control mechanisms. The cell cycle, cellular differentiation and cellular interactions are also considered. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2124 and CHEM 3314 or concurrent enrollment.

4004* PHYSIOLOGY, 4 hours credit
Homeostatic mechanisms of human organ systems are emphasized, including some aspects of comparative physiology. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 1474 and CHEM 3324 or concurrent enrollment. BIOL 3174 and CHEM 4403 are recommended.

4014* HERPETOLOGY, 4 hours credit
Taxonomy, distribution, natural history of amphibians and reptiles with emphasis on local forms. Techniques of collection and preservation. Field trips arranged. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2154.

4024* ICHTHYOLOGY, 4 hours credit
Taxonomy, morphology and ecology of fishes, with emphasis on local forms. Techniques of collection and preservation. Field trips arranged. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2144.

4054* VASCULAR PLANT MORPHOLOGY, 4 hours credit
Morphology, evolution and ecology of vascular plants. Field trips arranged. Lecture 3 hours, laboratory 3 hours. Prerequisite: BIOL 2154.

4064* ADVANCED ECOLOGY, 4 hours credit
Ecological principles as related to population dynamics, ecosystems, effects of radiation and pollution. Emphasis on production, energy flow, and cycling within ecosystems. Lecture 3 hours, laboratory 3 hours. Field trips arranged. Prerequisite: BIOL 3064.

4114* ADVANCED MICROBIOLOGY, 4 hours credit
This course will present a modern view of advanced topics in microbiology, such as advanced bacteriology, virology, and microbial genetics. This course is intended for biology majors. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2124 and CHEM 3314.

4124-4 SPECIAL STUDIES, 1-4 hours credit
Term paper and/or oral examination required. Independent study/directed readings 1-4 hours. Prerequisite: department permission.

4154* BIOMETRY, 4 hours credit
An introduction to the application of basic probability theory, descriptive statistics, and statistical inference, including estimation and hypothesis testing, to biological data. Analysis of variance and regression analysis of simple experimental designs are also considered. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 2144 and BIOL 2154.

4163* PRINCIPLES OF PLANT PHYSIOLOGY, 3 hours credit
Functions, nutrition, metabolism, and development of higher plants, including water relations, photosynthesis, respiration and growth. Cross-listed as AGRN 4123. Lecture 3 hours. Prerequisite: AGRC 1214 or BIOL 2144.

4174* CELL STRUCTURE AND FUNCTION, 4 hours credit
Structural and functional organization of cells in terms of their organelles, molecules, and control mechanism. The cell cycle, cellular differentiation and cellular interactions are also considered. Lecture 3 hours, laboratory 3 hours. Prerequisites: BIOL 3014 or BIOL 3174 and CHEM 3324 or concurrent enrollment. CHEM 4413 is recommended.
4772 TEACHING OF BIOLOGY, 2 hours credit
Methods and materials in secondary education. Taught during fall semester only. Teacher certification students must be admitted to teacher education prior to enrollment in this course. Lecture 2 hours.

4901* BIOLOGY CAPSTONE COURSE, 1 hours credit
Required of all biology majors for graduation. Course serves to integrate the biology curriculum, enhance critical analysis skills, promote leadership and an appreciation of ethical and philosophical considerations, and hone modern communication skills. Program assessment is also a component. Capstone/lecture 1 hour. Prerequisites: BIOL 2881, senior standing in biology, and department permission.

MEDICAL TECHNOLOGY COURSES (MT)

4117 CLINICAL MICROBIOLOGY, 7 hours credit
The theory and laboratory study of pathogenic bacteria, viruses, rickettsiae, fungi and parasites. Includes isolation, identification, antimicrobial susceptibility testing, and medical significance. Department permission required. Lecture/laboratory.

4125 CLINICAL CHEMISTRY, 5 hours credit
The theory and laboratory methodology of analytical biochemistry, clinical microscopy, routine and special procedures and medical significance. Department permission required. Lecture/laboratory.

4236 CLINICAL HEMATOLOGY, 6 hours credit
Systematized study of disease and abnormal derivation, maturation and function, principles of homeostasis; methodology used in routine and special hematology studies; and correlation of hematological findings with physiological conditions. Department permission required. Lecture/laboratory.

4246 CLINICAL IMMUNOLOGY, 6 hours credit
The theory of immunologic responses and procedures used in serological determinations; the study of immunohematology, fundamentals of antigen-antibody reactions, blood groups and types, compatibility testing, blood components, and the laboratory methods used as they relate to the medical significance of immunology and infectious disease. Department permission required. Lecture/laboratory.

4325 CLINICAL CHEMISTRY II, 5 hours credit
The theory and laboratory methodology of analytical biochemistry, instrumentation, and lab mathematics, routine and special procedures and medical significance. Department permission required. Lecture/laboratory.

4351 TOPICS IN MEDICAL TECHNOLOGY, 1 hour credit
Principles and practices of the medical laboratory including basic management, special education methodology, and special projects in selected areas. Department permission required. Lecture/laboratory.

*Liberals arts and sciences course.

DEPARTMENT OF

COMPUTING AND TECHNOLOGY

Chair — Johnny Carroll, Associate Professor
Professor: Johari
Associate Professors: Aguilar, Diaz-Gomez, Drissi, Estep, Moinian, Wright-Smith, Zhao
Instructors: Hickerson, Smith

The Department of Computing and Technology provides Associates in Applied Science degrees in Information Technology and Multimedia Design. Bachelor of Science Degrees are offered with studies in Computer Science, Information Technology, Multimedia Design, and Technology.

Students who have completed an Associate in Applied Science Degree from any regionally accredited college or university may use the technical specialty portion of that degree toward the MAJOR-MINOR requirement for the B.S. degree in Technology at Cameron.

BACHELOR OF SCIENCE DEGREE PROGRAMS

Baccalaureate degree programs are designed to provide students with advanced theoretical and/or technical expertise, prepare students for supervisory or managerial positions, and prepare students to be successful in graduate school. Program requirements are flexible to allow students to select courses to meet individual goals or respond to employment trends in emerging technology areas.

BACHELOR OF SCIENCE DEGREE

MAJOR IN COMPUTER SCIENCE (415)

Computer Science is the study of computer technology, including hardware and software. It includes the systematic study of computing systems and computation. The body of knowledge resulting from this discipline contains theories for understanding computing systems and methods; design methodology, algorithms, and tools; methods for the testing of concepts; methods of analysis and verification; and knowledge representation and implementation. A student graduating with this degree can easily move into industry or pursue graduate studies.

I. GENERAL EDUCATION REQUIREMENTS.---------------------------------44 hours

II. UNIVERSITY REQUIREMENTS ------------------------------------------1-3 hours UNIV 1001 or 1113

III. MAJOR REQUIREMENTS -----------------------------------------------70 hours
A. Required Courses -----------------------------------------------------57 hours
   CS 1113, CS 1313, CS 1513, CS 1523, CS 1733, CS 2333, CS 2413,
   CS 3013, CS 3183, CS 3203, CS 3513, CS 3713, CS 4001-3, CS 4203,
   CS 4233, IAS 2233, IT 1063, IT 1213, IT 2063

B. Additional Requirements -----------------------------------------------13 hours
   All computer science majors must complete three of the following courses:
   MATH 2215, MATH 2235, MATH 4433 OR STAT 213
   Some students may also need to take some or all of the following courses
   as prerequisites: MATH 0013, MATH 0103, MATH 0213, MATH 1513,
   MATH 1613, or MATH 1715.

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.
BACHELOR OF SCIENCE DEGREE
MAJOR IN INFORMATION TECHNOLOGY (414)

The Information Technology Bachelor Degree program builds upon knowledge gained in the Associate in Applied Science in Information Technology and provides new areas of study. Options are available in Computer Information Systems, Management Information Systems, and Cyber Security and Information Assurance. Important student outcomes for this program include significant communication and business skills required for success in industry careers.

I. GENERAL EDUCATION REQUIREMENTS............................................... 44 hours

II. UNIVERSITY REQUIREMENTS......................................................... 1-3 hours
   UNIV 1001 or 1113

III. MAJOR-MINOR REQUIREMENTS...................................................... 63-64 hours
   A. Core Courses.............................................................................. 42 hours
      CIS 1013, CIS 2033, CIS 3083, IAS 2233, IT 1063, IT 1213, IT 1413,
      IT 2063, IT 2413, IT 3603, IT 4342, IT 4444, STAT 2013, and TECH 3013
   B. Option.......................................................................................... 15-16 hours
      Choose one of the following options:
      Computer Information Systems Option (16 hours)
      CIS 2043, CIS 2083, CIS 3064, CIS 3183, CIS 4063
      Management Information Systems Option (15 hours)
      MIS 2113, MIS 3033, MIS 3083, MIS 4033, MIS 4533
      Cyber Security and Information Assurance Option (15 hours)
      IAS 2333, IAS 3063, IAS 3233, IAS 3263, IAS 4063
   C. Guided Electives........................................................................... 6 hours
      Choose 6 hours from the following: TECH 3000-3, TECH 4001-6,
      TECH 4033, TECH 4143, MGMT 4443, TECH 4491-3

IV. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION

BACHELOR OF SCIENCE DEGREE
MAJOR IN MULTIMEDIA DESIGN (420)

The purpose of this program is to prepare individuals with technical multimedia development and management skills. Graduates will be prepared to maximize the opportunities presented by the media explosion through the development of technical multimedia skills and through management training.

I. GENERAL EDUCATION REQUIREMENTS............................................. 44 hours

II. UNIVERSITY REQUIREMENTS ........................................................ 1-3 hours
   UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ................................................................. 75-81 hours
   A. Technical-Occupational Specialty Courses From A.A.S. ............... 27 hours
      MM 1013, MM 1133, MM 1143, MM 1154, MM 2023, MM 2033,
      MM 2123, MM 2132, MM 2803
   B. Technical-Occupational Support Courses.................................... 10 hours
      CIS 1013 or MIS 2113, ENGL 2333, RTV 2104
   C. Advanced Specialty Courses....................................................... 23 hours
      MM 3013, MM 3113, MM 3203, MM 4003, MM 4023, MM 4414,
      MM 4804
   D. Concentration............................................................................. 15-21 hours
      Choose one of the following concentrations:

ASSOCIATE IN APPLIED SCIENCE DEGREE

Associate Degree programs in Applied Science are designed to prepare students for employment requiring expertise in a technical specialty. Graduates of these programs have been successful in obtaining employment in a variety of positions in business, industry and government.

ASSOCIATE IN APPLIED SCIENCE DEGREE
MAJOR IN INFORMATION TECHNOLOGY (514)

The Information Technology program is designed to prepare for employment requiring expertise as an information technology specialist. Graduates of this program will be successful in obtaining employment in a variety of positions in business, industry and government.
I. GENERAL EDUCATION REQUIREMENTS ................................................................. 18 hours
   A. Required Courses .................................................................................. 12 hours
      ENGL 1113, ENGL 1213, PS 1113, HIST 1483 or HIST 1493
   B. Selected Electives .................................................................................. 6 hours
      Behavioral Science or Economics (3 hours)
      Humanities (3 hours)

II. MAJOR REQUIREMENTS .................................................................................. 45-46 hours
   A. Technical Specialty .............................................................................. 24 hours
      CIS 1013, CIS 2033, IAS 2233, IT 1063, IT 1213, IT 1413, IT 2063,
      IT 2413
   B. Option Specialty Courses ...................................................................... 9 hours
      Courses selected from Computer Information Systems, Management
      Information Systems, or Cyber Security and Information Assurance
      Specialty (Advisor Approved)
   C. Technical-Occupational Support Courses ............................................. 6 hours
      BUS 1113, MATH 1413 or MATH 1513
   D. Technical-Occupational Related Courses .............................................. 6 hours
      COMM 1113 and one additional course selected to complement the
      student’s goals and objectives (Advisor Approved)

III. ELECTIVES TO TOTAL 63-64 HOURS REQUIRED FOR GRADUATION

ASSOCIATE IN APPLIED SCIENCE (510)
MAJOR IN MULTIMEDIA DESIGN

The purpose of this program is to prepare individuals with technical multimedia development skills to
function as team members in the systematic design and development of technology based, interactive, user-
friendly instructional applications.

I. GENERAL EDUCATION REQUIREMENTS ....................................................... 18 hours
   ENGL 1113, ENGL 1213, PS 1113, HIST 1483 or HIST 1493, COMM 1113,
   MATH 1413 or MATH 1513

II. MAJOR REQUIREMENTS .................................................................................. 43 hours
   A. Technical-Occupational Specialty .......................................................... 27 hours
      MM 1013, MM 1133, MM 1143, MM 1154, MM 2023, MM 2033,
      MM 2123, MM 2132, MM 2803
   B. Technical-Occupational Support Courses .............................................. 10 hours
      CIS 1013 or MIS 2113, ENGL 2333, RTV 2104
   C. Technical-Occupational Related Course Work ...................................... 6 hours
      Courses to be selected by student with approval of academic advisor

III. ELECTIVES TO TOTAL 61 HOURS REQUIRED FOR GRADUATION

COMPUTER AIDED DRAFTING COURSES (CAD)

1001* COMPUTER AIDED DRAFTING, 3 hours credit
The use of computer systems to produce drawings in compliance with industrial standards. Emphasis on
computer terminology, drafting practices, procedures, and techniques. Lecture 2 hours, laboratory 2 hours.

1023 DESCRIPTIVE GEOMETRY, 3 hours credit
Two dimensional and three dimensional solutions to problems involving points, lines, planes, contoured
surfaces and developments. Problems are solved using 2D orthographic projection and 3D solids modeling
computer graphics. Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 1013 or equivalent.

1043 RESIDENTIAL ARCHITECTURE, 3 hours credit
The use of computer aided drafting systems to produce residential structure drawings in compliance with
industrial standards. Lecture 2 hours, laboratory 2 hours.

1073 DESIGNING FOR PRODUCTIVITY, 3 hours credit
Development of working drawings emphasizing the relationship between machine tool operation and
product design. An introduction to numerical control, shop practices, foundry procedures, and tool design.
Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 1013 or equivalent.

2023 DATA ACQUISITION AND ANALYSIS IN GIS, 3 hours credit
The topics covered in this course include GPS methods of collecting data, refinement, storage and
integration with GIS software. Lecture 2 hours, laboratory 2 hours.

2063 INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS AND GLOBAL
POSITIONING SYSTEMS, 3 hours credit
An introduction to the field of geographic information systems (GIS) and global positioning systems
(GPS). The topics covered include the fundamentals of GIS, its capabilities and applications along with
GPS theory and how data is collected, integrated using the GPS receiver. Lecture 2 hours, laboratory 2 hours.

2073 SOLIDS MODELING, 3 hours credit
A study of three dimensional drawing techniques on CAD systems and production of data structures used
for Computer Aided Manufacturing. Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 1023.

2093 ADVANCED SOLIDS MODELING, 3 hours credit
Design with 3D solid models. Topics covered will include solving design problems with solid models,
using solid models in technical illustrations, performing engineering analysis using solid models, advanced
assembly manipulation, and advanced surface creation. Lecture 2 hours, laboratory 2 hours. Prerequisite:
CAD 2073.

2123 SURVEYING, 3 hours credit
Introductory course in surveying and measurement oriented towards construction. Study will include
measurement of distance and angles using levels, transit and theodolite. Topics in topographic surveying,
property surveying, site layout and construction surveying will be covered. Lecture 2 hours, laboratory 2
hours. Prerequisite: MATH 1613 or concurrent enrollment.

2603 COMPUTER-AIDED DESIGN DRAFTING CAPSTONE, 3 hours credit
Capstone course which focuses on design projects developed independently and in consultation with the
Instructor. Possible topics covered but not limited to: jig and fixture design, manufacturing applications,
parametric modeling, mapping, GIS, and mechanical design. Capstone/lecture 3 hours. Prerequisite:
department permission.

COMPUTER INFORMATION SYSTEMS COURSES (CIS)

1013* INTRODUCTION TO COMPUTER INFORMATION SYSTEMS, 3 hours credit
This course is an overview of what students need to know to successfully navigate/adapt in the ever
changing landscape of computing and communications technologies. Lecture 3 hours. Prerequisite: None.

2001-3 SPECIAL PROBLEMS IN COMPUTER INFORMATION SYSTEMS, 1-3 hours credit
Assigned student projects which will include topics not covered in detail in the CIS curriculum and based
on study needs. Laboratory 3-9 hours. Prerequisite: Sophomore standing and departmental permission.

2013* VISUAL BASIC PROGRAMMING, 3 hours credit
Elements of VISUAL BASIC programming language. Lecture 3 hours. Prerequisite: IT 1213.
2023 BUSINESS APPLICATIONS OF C++, 3 hours credit
Elements of the C++ programming language with emphasis on business applications. Lecture 3 hours. Prerequisite: IT 1213.

2033* FUNDAMENTALS OF SYSTEMS ANALYSIS AND DESIGN, 3 hours credit
An in-depth study of the Systems Development Life Cycle (SDLC) to include study, design, development, and operation phases. A total quality management emphasis is stressed and computer assisted systems engineering (CASE) tools are introduced. Lecture 3 hours. Prerequisites: CIS 1013 and IT 1213.

2043 GRAPHIC DESIGN BASICS, 3 hours credit
Basic graphic design theory and development are studied through the use of elements of design and principles of composition as applied to information system processes. Study includes basic color theory with emphasis on using design techniques and software tools to develop graphic outputs for business. Lecture 3 hours.

2083 MANAGING THE INFORMATION TECHNOLOGY CENTER, 3 hours credit
Managing the resources of the modern Information Technology Center. Topics include: ethics, decision making control cycle, organizational structure, personnel issues, ADA, policies and procedures, and Technology Center evaluation. Lecture 3 hours. Prerequisite: CIS 2033.

3011-3 SOFTWARE APPLICATIONS, 1-3 hours credit
A study of selected commercial software. Emphasis is on implementation, equipment requirements, integration capabilities and limitations of each software application. Course may be repeated for credit with different software packages. Lecture 1-3 hours. Prerequisites: department permission.

3023 ADVANCED BUSINESS APPLICATIONS OF C++, 3 hours credit
Emphasizes classes, objects, object-oriented programming, arrays, string processing and file manipulation. Lecture 3 hours. Prerequisite: CIS 2023.

3064 COBOL PROGRAMMING, 4 hours credit
Elements of COBOL programming language applied to business systems emphasizing file processing, control breaks, interactive processing, sub-programs and data validation. Software quality, use of multi-dimension tables, sorting and interaction with databases are covered. Lecture 3 hours, laboratory 2 hours. Prerequisite: IT 2413.

3083 DATABASE DESIGN AND MANAGEMENT, 3 hours credit
Emphasis on design and use of database systems to include UML and CASE tools. Lecture 3 hours. Prerequisite: IT 2413.

3183 STRUCTURED QUERY LANGUAGE, 3 hours credit
An in-depth study of the Structured Query Language (SQL) and relational database processing. Topics will include general application development using basic and advanced select statements. Other topics include queries involving multiple tables. Lecture 3 hours. Prerequisite: CIS 3083.

4013 DATA WAREHOUSING, 3 hours credit
The strategies and processes for Data Warehousing of large relational databases. Topics include: understanding the role of data warehousing to businesses, understand data warehousing as a management tool, data warehousing as an emerging architecture and a data warehouse as it is designed to support the decision support system (DSS) function. Lecture 3 hours. Prerequisite: CIS 3183 or department permission.

4023 DATA MINING, 3 hours credit
The strategies and processes for Data Mining of large relational databases. The major focus of this course is data mining applications related to the corporate business world. Examples of discussion areas include banking and finance, retail, and heath care. Lecture 3 hours. Prerequisite: CIS 3183 or departmental permission.
3013 NETWORK PROGRAMMING, 3 hours credit
Concepts of multiprocessing and interprocess communication, networking protocol architecture, construction of client/server software using low and high level system calls. Lecture 3 hours. Prerequisite: CS 2413.

3100-6 COMPUTER SCIENCE INTERNSHIP, 0-6 hours credit
This course is designed to give students practical work experience and on-the-job training in the field of Computer Science. This course is offered on a SU basis only. A maximum of 6 credits may be taken. In addition to the satisfactory completion of the approved internship, a minimum of 50 hours' work per credit hour is required. Department permission is required to enroll in this course. Before the student can enroll in the course, he or she must ask the employer to issue a “Letter of Appointment” to the Department Coordinator of Computer Science regarding their intent to hire the student. The letter shall describe the conditions under which the employer will hire the intern and the nature of the internship project. Upon approval by the Computer Science Coordinator, the student will be able to enroll in this course. Internship 0-6 hours. Prerequisite: Departmental permission and completion of substantial course work in computer science.

3183 DATABASE DESIGN AND MANAGEMENT, 3 hours credit
This course introduces the basic theories, concepts, skills, and techniques of data and database systems. The course will primarily focus on database design and implementation. Lecture 3 hours. Prerequisite: CS 1513.

3203 SOFTWARE ENGINEERING I, 3 hours credit
This course emphasizes the software development life cycle. Topics will include: Uniform Modeling Language (UML), testing methods, and software correctness. Lecture 3 hours. Prerequisite: CS 2413.

3343 NUMERICAL ANALYSIS I, 3 hours credit
An introductory course in numerical analysis. Topics include: Accuracy in numerical calculations; evaluation of functions; numerical integration; solution of nonlinear equations; solution of systems of linear equations and interpolation. Lecture 3 hours. Prerequisites: MATH 2235 and CS 1313 or department permission.

3443 NUMERICAL ANALYSIS II, 3 hours credit
A continuation of CS 3343. Topics include: Additional topics in numerical integration; ordinary differential equations; interpolation and curve fitting. Optional topics may include partial differential equations. Lecture 3 hours. Prerequisite: CS 3343.

3513 OPERATING SYSTEMS, 3 hours credit
Overview of hardware and software, process management, storage management, processor management, and auxiliary storage management. Lecture 3 hours. Prerequisite: CS 2413.

3573 COMPUTER GRAPHICS, 3 hours credit
Computer representation, generation and display of images. Topics included are display of 2D and 3D images; color display; algorithms, and transformations for clipping, windowing, and perspective; survey of graphics display devices; and use of graphics packages. Lecture 3 hours. Prerequisite: CS 2413.

3713 ALGORITHM ANALYSIS, 3 hours credit
A mathematical analysis of common algorithms: common searches and sorting, graphs, and string matching. An introduction to the notion of complexity. Lecture 3 hours. Prerequisites: CS 2413 and MATH 2235.

3813 PARALLEL COMPUTING, 3 hours credit
Parallel algorithms and implementations for sorting, searching, matrix processing and other problems. Efficiency issues of parallel algorithms on different architectures. Lecture 3 hours. Prerequisite: CS 2413.

4001-3 SEMINAR IN COMPUTER SCIENCE, 1-3 hours credit
Advanced level current topics that are not part of a common core. Lecture 1-3 hours. Prerequisites: Announced prerequisites.

4013 FORMAL LANGUAGE THEORY, 3 hours credit
An introduction to grammars, finite state machines, push down automata, regular languages, parsing techniques and Turing machines. Lecture 3 hours. Prerequisites: CS 1523 and CS 2413.

4203 SOFTWARE ENGINEERING II, 3 hours credit
Acquisition of the skills necessary to control complex programming projects. Lecture 3 hours. Prerequisite: CS 3203.

4223 PROGRAMMING LANGUAGES AND Compilers, 3 hours credit
Coverage of the concepts and constructs of the major programming paradigms and an introduction to the theory and techniques of compiler construction. Lecture 3 hours. Prerequisite: CS 2413.

4233 CAPSTONE PROJECT, 3 hours credit
This course provides students the opportunity to complete a comprehensive software project. The project will be done through team effort, and may involve the use of multiple programming languages. Emphasis will be on professional communication, team work, and comprehensive utilization of computing knowledge obtained in previous courses. This is a hands-on and lecture combined course. Capstone/lecture 3 hours. Prerequisite: CS 4203.

4443 COMPUTER USAGE FOR ELEMENTARY TEACHERS, 3 hours credit
A course specifically designed to introduce the elementary teacher to micro-computers and programming concepts using a structured programming language (BASIC). The course includes construction of and evaluation of software suitable for use in the elementary school. Does not apply toward a major or minor in Computer Science. Lecture 3 hours. Prerequisite: MATH 3353, elementary teaching experience, or department permission.

4493-3 SPECIAL PROBLEMS IN COMPUTER SCIENCE, 1-3 hours credit
Individual and group projects in computer science based on proposals by students which are approved and supervised by faculty members. May be repeated as often as desired with permission of the department chairman. Independent study 1-3 hours. Prerequisite: Approval by department chairman and faculty member supervising the project.

ENGINEERING DESIGN TECHNOLOGY COURSES (EDT)

1053* INDUSTRIAL FLUID POWER, 3 hours credit
Applied fluid mechanics involving valves, cylinders, pumps, piping standards, fluid motors, basic circuits symbols, industrial components, and commercial systems. Lecture 2 hours, laboratory 2 hours.

2001-3 SPECIAL PROBLEMS IN DESIGN, 1-3 hours credit
Assigned study projects will include topics not covered in detail in the computer aided drafting curriculum and will be based on student needs. Laboratory 3-9 hours. Prerequisite: Sophomore standing or departmental permission.

2053 MANUFACTURING PROCESSES, 3 hours credit
An investigative study of materials that we use every day and the manufacturing processes which produce these materials. The application of these materials will also be studied. The materials to be included, but not limited to, are metals, plastics, ceramics, and composites. Lecture 3 hours.

2103 STATICS AND STRENGTH OF MATERIALS, 3 hours credit
Principles of statics, analysis of structures, and friction as applied to the incline plane and wedge. Simple direct and compound stresses, determination of structural sizes as a function of unit stress, and physical properties of the materials. Lecture 3 hours. Prerequisite: MATH 1613 or equivalent or concurrent enrollment.
2173 TOOL DESIGN, 3 hours credit
A study of machine shop practices as related to work holding devices. Design of specialized machining tools using standard industrial components is emphasized. Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 1073 or equivalent.

3013 GIS APPLICATIONS, 3 hours credit
A course designed to teach applications of GIS in various fields such as engineering design, business, and agriculture. The course emphasizes on the need and methods to choose the correct GIS model to develop a successful GIS application. Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 2023 or CAD 2063.

3033 MACHINE DESIGN, 3 hours credit
The design of power transmitting machinery composed of machine elements such as gears, pulleys, and cams. Lecture 2 hours, laboratory 2 hours. Prerequisite: EDT 2103 or concurrent enrollment.

4001-3 ENGINEERING SYSTEMS: (TOPICS) 1-3 hours credit
A study of current topics in technology. Areas may include but not be limited to system planning, design, development, implementation, and evaluation. Concept development will be focused on customer needs and quality programs. Lecture 1-3 hours.

4013 ENGINEERING DESIGN CAPSTONE, 3 hours credit
Capstone course which uses a combination of 2D and 3D drafting and mechanical design techniques to solve advanced engineering design problems. Capstone/laboratory 6 hours. Prerequisite: Department permission.

4023 GIS DESIGN, 3 hours credit
The course covers concepts in Geodatabase design, creation of data tables and spatial relationships of features. Various aspects of information management will be studied. Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 2023 or CAD 2063.

4033 CAD/CAM APPLICATIONS, 3 hours credit
A course designed to teach the use of computer aided designs and drawings to create programs for computer controlled manufacturing equipment such as lathes and milling machines. Lecture 2 hours, laboratory 2 hours. Prerequisite: CAD 2073.

4043 STRUCTURAL DESIGN, 3 hours credit
The analysis, design and detailing of structural components and systems in accordance with industry standards. Problems are solved analytically and graphically using computer based CAD systems. Lecture 2 hours, laboratory 2 hours. Prerequisites: CAD 1073 and EDT 2103.

CYBER SECURITY AND INFORMATION ASSURANCE COURSES (IAS)

2013* HISTORY OF INFORMATION ASSURANCE/SECURITY, 3 hours credit
The historical impact of viruses, Trojans, worms and other information security threats as well as anti-virus efforts will be examined. Students will exhibit a mastery of communication skills by writing several significant research papers and several significant oral presentations concerning the history of information assurance/security. Students will learn effective uses of technology for communicating. This is a communications intensive course. Lecture 3 hours. Prerequisites: CIS 1013 and ENG 1113.

2233* INTRODUCTION TO INFORMATION ASSURANCE/SECURITY, 3 hours credit
Best practices, basic policies and procedures, ethics, and fundamental legal issues will be explored. Risk Management and Disaster Recovery as applied to Information Assurance/Security will be investigated. Ethics and vulnerability issues will also be covered. Lecture 3 hours. Prerequisite: IT 1063.

2333 COMPUTER FORENSICS, 3 hours credit
Procedures for the identification, preservation, and extraction of electronic evidence. Modes of hidden data, cryptography, steganography, compression. Investigating Windows and Linux computers. Lecture 3 hours. Prerequisite: IAS 2233.

3063 INFORMATION ASSURANCE NETWORKING FUNDAMENTALS, 3 hours credit
Students will analyze and design a secure network. Intrusion Detection, fundamental forensics, incident handling and privacy issues will be examined. Lecture 3 hours. Prerequisite: IAS 2233.

3233* E-COMMERCE AND WEB SECURITY, 3 hours credit
Electronic commerce technology, standards and issues. Introduction to security architectures for electronic commerce: digital signatures, certificates, and public key infrastructure. Vulnerabilities in e-commerce and web applications will be studied as well as the security countermeasures. Lecture 3 hours. Prerequisite: IAS 2233.

3263 SECURITY ARCHITECTURE AND DESIGN, 3 hours credit
Students will configure a secure network and an intrusion detection system. Network monitoring plans and bandwidth management plans will be created. Policies and procedures will be created. A basic forensics data report will be designed. Lecture 3 hours. Prerequisite: IAS 3063.

3403* CURRENT TOPICS IN INFORMATION ASSURANCE AND NETWORK SECURITY, 3 hours credit
Students will research current literature and compare and summarize current Information Assurance Issues, legal issues, and events. A Disaster Recovery Plan and a Risk Assessment Plan will be created. Audit Plans will be created. Acceptable Use Policies will be assessed. Policies and procedures will be assessed. Lecture 3 hours. Prerequisite: IAS 3063.

INFORMATION TECHNOLOGY COURSES (IT)

1063 INTRODUCTION TO NETWORKING, 3 hours credit
An overview of computer networking. Topics include network topologies, network software, the client-server model, the OSI/ISO model, network components, TCP/IP, and network security. Lecture 3 hours.

1213 PROGRAMMING LOGIC, 3 hours credit
A basic introduction to the knowledge and skills that are used in computer programming. Topics include: the third generation programming environment, program design and pseudocode, coding, debugging, basic control structures, basic classes and objects, and methods. Lecture 3 hours.

1413 PROGRAMMING I, 3 hours credit
An introduction to programming using an object-oriented language and its use in solving simple problems. Topics include: pseudo-code, control structures, functions, arrays, simple searching and sorting techniques, basic classes. Lecture 3 hours. Prerequisites: IT 1213 and MATH 1513 or concurrent enrollment in MATH 1513.

2063 INTERNETWORKING TECHNOLOGIES, 3 hours credit
The installation, configuration, and administration of operating systems in a network of computers. Allocation of IP addresses and configuration of routers. Current and relevant software will be studied to include both server software and client software. Lecture 3 hours. Prerequisite: IT 1063.

2413 PROGRAMMING II, 3 hours credit
A continuation of programming using an object-oriented language. Topics include: searching, sorting, pointers, files, classes and object-oriented issues, recursion, and introduction to linked data structures. Lecture 3 hours. Prerequisite: CS 1313 or IT 1413.

3603 HUMAN COMPUTER INTERFACE DEVELOPMENT, 3 hours credit
An exploration of Graphical User Interface development and human computer interaction using a current RAD tool. Issues of good and bad design of both Web and Application GUIs. Lecture 3 hours. Prerequisite: IT 2413.

4342* LEGAL AND ETHICAL ISSUES FOR THE IT PROFESSIONAL, 2 hours credit
The course is designed to give students an ability to distinguish and analyze information systems legal, social and ethical issues. Through class lecture, case study analysis, class discussion, final project
preparation, and outside readings, students will become versed in the logical/critical thinking skills required to make ethical decisions as an information technology professional. Lecture 2 hours. Prerequisite: Senior standing.

4444 IT CAPSTONE, 4 hours credit
A comprehensive survey of current topics in the area of Information Technology and an integration of outcomes from earlier courses. The class will be a seminar where students will work in teams to research current issues and emerging technologies. Capstone/lecture 4 hours. Prerequisites: Senior level and advisor permission.

MANAGEMENT INFORMATION SYSTEMS COURSES (MIS)

2001-3 SPECIAL PROBLEMS IN MANAGEMENT INFORMATION SYSTEMS, 1-3 hours credit
Assigned student projects which will include topics not covered in detail in the MIS curriculum and based on study needs. Lecture 1-3 hours.

2013 PROGRAMMING I, 3 hours credit
Introduction to and use of application development tools for object-oriented programming. Emphasizes step-wise refinement of fourth generation computer languages (4GLs) and introduces CASE (Computer-Aided-Software Engineering) tools during the developmental process. Student designs elementary business solutions using general application development software, report generation, macro, query, and other application features. Lecture 3 hours.

2113 FUNDAMENTAL MIS TOOLS AND SKILLS, 3 hours credit
A study of major microcomputer application software packages, including operating systems, word processing, and spreadsheet software. The emphasis is on hands-on use of these packages to develop software applications for solving basic business problems. Lecture 3 hours.

3013 MANAGEMENT INFORMATION SYSTEMS, 3 hours credit
An overview of the current principles and practices of information systems and solving problems from a managerial perspective. Lecture 3 hours. Prerequisites: CIS 1013 or computer proficiency. Must have junior standing or permission of Chair.

3021-3 BUSINESS SOFTWARE APPLICATIONS, 1-3 hours credit
A study of selected software for microcomputer systems. Course may be repeated for credit with different software packages. Lecture 1-3 hours. Prerequisite: CIS 1013 or computer proficiency.

3033 APPLIED DATA MODELING, 3 hours credit
Theory and concepts of database design and management. Focuses primarily on relational database modeling. Topics include Entity Relationship Diagrams; Enterprise, Conceptual, Logical, and Physical models; normalization; usage maps; implementation; and a brief exposure of SQL for data manipulation, update, and retrieval. Students will design and implement a relational database for a business application using a CASE program. Lecture 3 hours. Prerequisite: CIS 3083 or MIS 3013.

3083 SYSTEMS ANALYSIS AND DESIGN, 3 hours credit
Systems development using modern methods and tools. Recent advances in software technologies such as distributed hypermedia systems (World Wide Web), CASE tools, GUI tools, DBMSs, 4GLs, and the Systems Development Life Cycle (SDLC). Study of object-oriented development and Web-based information systems development issues. Students write a business application program. Lecture 3 hours. Prerequisite: MIS 3033.

3123 ADVANCED BUSINESS APPLICATIONS OF MICROCOMPUTER SOFTWARE, 3 hours credit
Study of advanced features of major microcomputer application software packages, including word processing, spreadsheet, graphics, and database software. Emphasis on hands-on use of these packages to develop software applications for solving complex business problems. Lecture 3 hours. Prerequisite: MIS 2113.

3223 BUSINESS DATA COMMUNICATION/TELECOMMUNICATIONS, 3 hours credit
Introduction to data communications and networking in a business environment while emphasizing current advances in telecommunications technology, regulation, and international standards. Topics include TCP/IP and the OSI model; current data communications protocols; network architecture including client/server networks; and operating systems. Student becomes conversant in data communication terminology and concepts. Knowledge and skills gained will be applied in an end-of-course business scenario. Lecture 3 hours. Prerequisite: MIS 3013.

4033 ELECTRONIC COMMERCE, 3 hours credit
This course will involve a comprehensive look at electronic commerce. Students will gain theoretical exposure to the complex field as well as practical experience in basic web programming. Course topics include: business models, revenue models, e-commerce security, payment systems, as well as legal, social and ethical issues. Lecture 3 hours. Prerequisite: MIS 2113.

4433 PROJECT MANAGEMENT, 3 hours credit
The course presents basic principles of project management, tools of project management, and the role of project manager in the successful completion of a project. Lecture 3 hours. Prerequisite: Junior standing.

4471-3 SEMINAR IN MANAGEMENT INFORMATION SYSTEMS, 1-3 hours credit
Study of specified topics in Management Information Systems such as advanced telecommunications, advanced database, data warehousing, information security, web page design, decision support systems, and other topics. Can be repeated for maximum of nine (9) hours credit under different topic titles. Seminar 1-3 hours. Prerequisite: Permission of the Chair.

4491-3 INDEPENDENT STUDY IN MANAGEMENT INFORMATION SYSTEMS, 1-3 hours credit
Independent reading and/or study of specific problems or special subjects, based upon pre-approved outlines of plans, with conferences and/or written reports. Independent study/directed readings 1-3 hours. Prerequisites: 9 upper division hours in the discipline of the independent study and department permission. A proposal must accompany the request when submitted for approval.

4533 APPLIED PROBLEMS IN MANAGEMENT INFORMATION SYSTEMS, 3 hours credit
A capstone course designed to integrate course work in various functional areas of MIS applications. Emphasizes teamwork, analytical and critical thinking, technical and managerial skills in the creation and management of an information systems application. Lecture 3 hours. Prerequisite: MIS 3083.

MULTIMEDIA COURSES (MM)

1013 FUNDAMENTALS OF MULTIMEDIA DESIGN, 3 hours credit
An introduction to the study of multimedia design, including principles of graphic design; introduction to authoring; on-screen layout; and introduction to authoring tools. With a basic understanding of Instructional Systems Design, students will learn to create desktop and on-screen multimedia applications. This class will also include a brief introduction to authoring software. Lecture 2 hours, laboratory 2 hours. Prerequisite: CIS 1013 or concurrent enrollment.

1133 MULTIMEDIA PRODUCTION TECHNIQUES, 3 hours credit
This course familiarizes students with basic techniques, using hardware and software tools to create various media for multimedia productions. Students will learn basic techniques such as scanning and enhancing photographs, creating simple animations and incorporating graphics into presentations with an understanding of display color. Lecture 2 hours, laboratory 2 hours. Prerequisite: MM 1013.

1143 INSTRUCTIONAL DESIGN, 3 hours credit
Introduction to the systematic design of instruction that includes learner, task and content analysis, writing performance objectives, developing instructional strategies, materials and assessment instruments, and evaluating and revising instructional materials. Lecture 2 hours, lab 2 hours. Prerequisite: ENGL 1113 or concurrent enrollment.
1154 INTRODUCTION TO MULTIMEDIA AUTHORING, 4 hours credit
Introduction to program logic, problem solving techniques, scripting, and the design theories on which authoring is based within the context of an authoring tool. This course makes extensive use of structure charts, flow charts, and storyboarding to illustrate the logic necessary to create instructional materials using authoring software. Lecture 2 hours, lab 4 hours. Prerequisite: MM 1143 and completion or concurrent enrollment in MM 1133.

2023 CORPORATE MULTIMEDIA PRODUCTION I, 3 hours credit
Planning and development of modern interactive educational applications in a corporate environment using modern learning theory. Students will plan projects using industry best practices in a client-centered, corporate context. They will also produce educational programs conforming to e-learning principles based on cognitive learning theory. This course will incorporate a second authoring tool. Lecture 2 hours, lab 2 hours. Prerequisites: MM 1154; concurrent enrollment: RTV 2104.

2033 WEB COMMUNICATIONS AND DESIGN, 3 hours credit
This course introduces students to purpose-driven web browsing and web page creation. Students will incorporate multimedia components into created pages. Lecture 2 hours, lab 2 hours. Prerequisite: MM 2023.

2123 CORPORATE MULTIMEDIA PRODUCTION II, 3 hours credit
An advanced course emphasizing practice in the use of more advanced authoring and delivery techniques while studying current issues in corporate and government instructional media production. Lecture 2 hours, lab 2 hours. Prerequisite: MM 2123.

2123* LEGAL AND ETHICAL ISSUES, 2 hours credit
A survey of current ethical and legal issues, such as copyright, that impact the development and use of multimedia instructional material. Lecture 2 hours.

2191-3 SPECIAL PROBLEMS IN MULTIMEDIA, 1-3 hours credit
Individual and group projects in multimedia. May be repeated with permission of the department chairman. Independent study/directed readings 1-3 hours. Prerequisite: Permission of the department chair and faculty member supervising the project. May be taken for a maximum of 6 hours.

2803 CAPSTONE PROJECT, 3 hours credit
A reflection and expansion on the skills and knowledge gained from Technical-Occupational Specialty courses of the AAS in Multimedia Design program. Students' written and oral communication skills will be assessed and they will develop their first portfolio of Multimedia Design skills. Capstone/lecture 3 hours. Prerequisite: MM 2123 or concurrent enrollment.

3013* ADVANCED COMPUTER GRAPHICS, 3 hours credit
A study of artistic elements and software techniques used to create advanced 2D/3D computer graphics for multimedia products. Lecture 2 hours, laboratory 2 hours. Prerequisite: MM 1013.

3023 WEB PUBLISHING AND GRAPHICS, 3 hours credit
This course helps students develop the creative and critical thinking skills required in a web/animation design and development environment. Students learn to plan for and implement interactivity in their web and animation designs. They are required to incorporate a mixture of audio, video, graphics, and animation dependent on website objectives (e.g., marketing, instructing, or entertainment). Techniques for automating the design process will be covered. State-of-the-art web animation and web-development tools are introduced and used as the catalyst for learning. Lecture 2 hours, laboratory 2 hours. Prerequisite: Instructor permission.

3031 MOTION GRAPHICS I, 1 hour credit
Concepts and practice in developing motion graphics with special effects using a non-linear, 2D, layer-oriented editing system. Motion graphics will be combined with audio for use in 3D animation projects and displayed via electronic media. Students will animate, alter and composite media in 2D and 2.5D space with an editing system's built-in tools and third-party plug-ins. Special attention will be given to basic editing skills and motion curves. Lecture 1 hour. Prerequisite: Sophomore status and Department permission.

3041 MOTION GRAPHICS II, 1 hour credit
Refinement of concepts and skills learned in MM 3031 with an emphasis on the use of 3D animation, spatial effects and 2.5D camera angle adjustment. Lecture 1 hour. Prerequisite: MM 3031.

3051 MOTION GRAPHICS III, 1 hour credit
A Competency-Based Learning course emphasizing the completion of a major project involving 3D animation and a motion graphics editing system. The project will demonstrate students' readiness to pursue more advanced 3D animation and motion capture courses by demonstrating their motion graphic, modeling, and texturing skills. Lecture 1 hour. Prerequisite: MM 3041.

3063 3D ANIMATION AND MOTION CAPTURE I, 3 hours credit
Building on the skills from existing animation courses, students will be challenged to model objects (vehicles) with curved, aerodynamic features. Other areas of emphasis include modeling the human form and organic modeling techniques, modeling for motion, and the use of 3D geometry for accuracy of animation. Students will explore the capabilities of two or more motion capture systems. Lecture 2 hours, lab 2 hours. Prerequisite: Sophomore status, advisor permission, and either 1) AAS in an animation or motion graphics field or completion of a 2-year Great Plains Technology Center 3D Animation program, or 2) completion of MM 3051.

3073 3D ANIMATION AND MOTION CAPTURE II, 3 hours credit
Advanced animation post-production techniques and tools found in post-production software. Students will stitch together video clips, stills, and animations using editing, compositing, and composition techniques. Students will learn when it is appropriate to use 3D, video, still imagery, or motion graphics and in what combinations. In addition, basic theories and practices of post-production (including rendering solutions) and finalization of video and 3D animation will be covered. Lecture 2 hours, lab 2 hours. Prerequisite: MM 3063.

3113 DISTANCE LEARNING DEVELOPMENT, 3 hours credit
Development of multimedia instructional materials for distance learning using current technology. Lecture 2 hours, lab 2 hours. Prerequisites: MM 1143, MM 2033 or department permission.

3203 ADVANCED INSTRUCTIONAL DESIGN, 3 hours credit
An advanced course in instructional systems design (ISD) exploring the relationships between the ADDIE process and various ISD models. Also explored are learning theories underpinning ISD and their application in professional-level designs. Lecture 2 hours, laboratory 2 hours. Prerequisite: MM 1143.

3991-3 WORKSHOP, 1-3 hours credit
Multimedia workshops are designed to give intensive emphasis to a specific area of media design and development. Course may be repeated with a different topic for additional credit up to a maximum of 6 hours. Workshop 1-3 hours.

4003 ADVANCED AUTHORING, 3 hours credit
Advanced authoring using scripting languages. Lecture 2 hours, laboratory 2 hours. Prerequisites: MM 1154 and MM 3013 or concurrent enrollment.

4023 ADVANCED WEB COMMUNICATIONS, 3 hours credit
Advanced web authoring using programming languages. Lecture 2 hours, laboratory 2 hours. Prerequisite: MM 2033.

4191-3 ADVANCED PROBLEMS IN MULTIMEDIA, 1-3 hours credit
Individual and group projects in multimedia. May be repeated with permission of the department chair. Independent study/directed readings 1-3 hours. Prerequisite: Permission of the department chair and faculty member supervising the project. May be taken for a maximum of 6 hours.
4414 SIMULATION, 4 hours credit
Demonstration of effective methods for visualizing objects and data through designing and creating animations for use in video, multimedia and virtual environments. Lecture 2 hours, laboratory 4 hours. Prerequisite: MM 3013.

4804 CAPSTONE, 4 hours credit
A reflection on the skills and knowledge at the culmination of Multimedia Design studies. Students will work on teams to analyze requirements, design, implement, and test a large multimedia project suitable for publication. During the course, students will complete a portfolio demonstrating their multimedia design skills suitable for viewing by potential employers. In addition, students will work in and may manage a major project. They may complete a needs analysis, develop objectives and/or write specifications for an instructional, marketing, or entertainment product. They will also develop all or part of the product. Prerequisites: MM 4003 and completion or concurrent enrollment in MM 4414 and MM 4023.

TECHNOLOGY COURSES (TECH)

2033 QUALITY CONTROL, 3 hours credit
Introduction to quality concepts in manufacturing technology, including discussion of current business/industry standards. Lecture 3 hours. Prerequisite: MATH 1513 or equivalent.

3000-3 TECHNOLOGY WORKSHOP, 0-3 hours credit
Designed to give intensive emphasis to a specific area of technology. May be repeated with a change of content for a maximum of 6 hours credit. Lecture 0-3 hours. Prerequisite: Junior standing.

3013* TECHNICAL COMMUNICATIONS, 3 hours credit
Principles of organizing information into clear and concise audience centered technical reports and presentations. Writing as a process, collaboration, and presentations are emphasized. Lecture 3 hours. Prerequisite: Junior standing.

4016-6 SCIENCE AND TECHNOLOGY INTERNSHIP, 1-6 hours credit
Directed observation and on-the-job internship served in area directly related to the student's major in the School of Science and Technology. The job must be approved by the major advisor prior to starting the internship. Can be repeated for maximum of (6) hours credit. Internship 1-6 hours. Prerequisites: Major advisor permission.

4033 INDUSTRIAL MANAGEMENT SYSTEMS, 3 hours credit
Study of the interrelationship of machines and employees in the workplace. Topics include facilities, equipment, constraints, and personnel management systems. Lecture 3 hours. Prerequisite: Junior standing.

4143 WORKPLACE SAFETY, 3 hours credit
An in-depth study of the necessary skills for the improvement, expansion, and enrichment of employer health and safety policies to promote accident-free work experiences for American workers in various settings. Lecture 3 hours. Prerequisite: Junior standing.

4443 TECHNOLOGY CAPSTONE, 3 hours credit
A culminating experience based on previous required major TECH coursework. Students will work individually and in teams to analyze technology issues through research and application. Capstone/lecture 3 hours. Prerequisites: TECH 3013, TECH 4033, and TECH 4143.

4491-3 INDEPENDENT STUDY IN TECHNOLOGY, 1-3 hours credit
Assigned research, reading, and reports based on the needs of the individual student and directly related to the student's technical specialty. Individual guidance will be provided by a faculty member. Independent study/directed readings 1-3 hours. Prerequisite: Department permission. The total number of hours earned in Independent Study may not exceed four.

*Liberal arts and sciences course

DEPARTMENT OF

MATHEMATICAL SCIENCES

Chair – Gregory J. Herring, Associate Professor
Professors: Argyros, Jankovic, McArthur, Oty, Tabatabai
Assistant Professors: Dover, Easley, Kadel, Kengwoung-Keumo, Li, Ward
Instructors: Christensen, Corritte, Hasan, Meyers, Youngblood, Zhao

The Department of Mathematical Sciences offers programs in mathematics, one of the oldest academic disciplines, as well as in statistics. The Department offers programs leading to a Bachelor of Arts degree with a major in Mathematics and a Bachelor of Arts degree with a major in Mathematics Education. Minors are also offered in mathematics and statistics.

Mathematics and statistics are fundamental to a wide variety of fields and careers. Students who major or minor in mathematics have problem-solving and logic skills that are highly desired by employers in industry and government. Statistics is instrumental in the study of the behavioral and social sciences, the biological and physical sciences, and business. The Bachelor of Arts degree with a major in Mathematics Education will prepare students for a career in teaching secondary mathematics.

BACHELOR OF ARTS DEGREE

MAJOR IN MATHEMATICS (150)

I. UNIVERSITY REQUIREMENTS ....................................................................................................................... 44 hours
II. MAJOR REQUIREMENTS ................................................................................................................................. 39 hours
A. Required Core Courses ......................................................................................................................... 33 hours
MATH 2215, MATH 2235, MATH 2244, MATH 2613, MATH 3013, MATH 3213, MATH 3253, MATH 4483, MATH 4782, MATH 4792
B. Required Technology Courses ....................................................................................................................... 3 hours
MATH 1001, MATH 3001, and MATH 1001 or MATH 3001 (1 hour)
C. Electives ..................................................................................................................................................... 6 hours
Electives must be chosen from the following list:
MATH 3302, MATH 3333, MATH 3413, MATH 4113, MATH 4423, MATH 4433, MATH 4471-3, MATH 4491-3, STAT 3113, STAT 3123
D. Elective to complete 124 hours required for graduation

BACHELOR OF ARTS DEGREE

MAJOR IN MATHEMATICS EDUCATION (155)

I. UNIVERSITY REQUIREMENTS ....................................................................................................................... 44 hours
II. MAJOR REQUIREMENTS ......................................................................................................................................... 42 hours
A. Required Core Courses ................................................................................................................................. 33 hours
MATH 2215, MATH 2235, MATH 2244, MATH 2613, MATH 3013, MATH 3213, MATH 3253, MATH 4483, MATH 4782, MATH 4792
B. Required Technology Courses ....................................................................................................................... 3 hours
MATH 1001, MATH 3001, and MATH 1001 or MATH 3001 (1 hour)
C. Electives ..................................................................................................................................................... 6 hours
Electives must be chosen from the following list:
MATH 3302, MATH 3333, MATH 3413, MATH 4113, MATH 4423, MATH 4433, MATH 4471-3, MATH 4491-3, STAT 3113, STAT 3123
D. Elective to complete 124 hours required for graduation
HIST 2113, HIST 2223, PHIL 1113 (3 hours)
Behavioral Science – PSY 1113

II. UNIVERSITY REQUIREMENTS ................................................................. 1-3 hours
UNIV 1001 or 1113

III. MAJOR REQUIREMENTS ........................................................................... 79 hours
A. Required Core Courses ................................................................. 43 hours
MATH 1001, MATH 2235, MATH 2613, MATH 3001, MATH 3013,
MATH 3302, MATH 3333, MATH 3413, MATH 4423, MATH 4773,
STAT 2013 or 3113; MATH electives (13 hours) – chosen from the
following: MATH 1001, MATH 2244, MATH 3213, MATH 3253,
MATH 3373, MATH 3383, MATH 4113, MATH 4483
B. Required Education Courses ....................................................... 33 hours
EDUC 1800, EDUC 3003, SPED 3103, EDUC 3612*, EDUC 3673,
EDUC 3733, EDUC 3753(R), EDUC 4313(R), EDUC 4653(R), EDUC 4965*,
EDUC 4975*
*Restricted to students who have been admitted to Teacher Education. See
Teacher Education section or an undergraduate education advisor for admission
requirements.
C. Additional Requirements ................................................................. 3 hours
Select one of the following courses: ENGL 3003, ENGL 3063, ENGL 3073

IV. ADDITIONAL REQUIREMENTS
Mathematics Education candidates must achieve a grade of C or better in selected general
education (ENGL 1113, ENGL 1213, COMM 1113, MATH 1513 or higher, HIST 1483 or 1493,
PS 1113, and 2 humanities) and education courses to receive credit toward a degree. If a grade of
D, F, or U is achieved, the course must be repeated.

Mathematics Education candidates must demonstrate foreign language proficiency (listening and
speaking) at the novice-high level as defined by the American Council on the Teaching of Foreign
Languages by passing a Department of English and Foreign Languages proficiency test or by
taking a foreign language course.

V. ELECTIVES TO TOTAL 124 HOURS REQUIRED FOR GRADUATION

Teacher Licensure/Certification
Students who complete the requirements for this degree and pass the state tests for certification in
Mathematics will be eligible to apply for a standard teaching license.

MATHEMATICS COURSES (MATH)
Students with credit in mathematics courses numbered 2000 or above may not enroll in courses below 2000
without department approval.

0013 PRE-ALGEBRA, (Remedial/Developmental Course)
This course provides a solid foundation in whole and signed number operations, fractions, decimals and
percent. Does not satisfy any requirements for any degree program at Cameron University. Students who
have unsuccessfully attempted this course two or more times are required to co-enroll in MATH 0121.
Lecture 3 hours.

0103 BEGINNING ALGEBRA, (Remedial/Developmental Course)
This course is an introduction to algebra. Topics covered include introduction to the real number system,
solving and graphing linear equations and inequalities, arithmetic operations using polynomials, factoring,
and simplifying rational expressions. Does not satisfy any requirements for any degree program at Cameron
University. Students who have unsuccessfully attempted this course two or more times are required to co-enroll in MATH 0121. Lecture 3 hours. Prerequisite: MATH 0013 or satisfactory placement score.

0115 BEGINNING AND INTERMEDIATE ALGEBRA, (Remedial/Developmental Course)
A combined beginning and intermediate algebra course. This course is designed for students who are able
to cover the material in both beginning and intermediate algebra in one semester. Does not satisfy any
requirements for any degree program at Cameron University. Students who have unsuccessfully attempted
this course two or more times are required to co-enroll in MATH 0121. Lecture 5 hours. Prerequisite: MATH 0013 or satisfactory placement score.

0121 BASIC MATH SKILLS, (Remedial/Developmental Course)
This course is a supplemental developmental course providing an individualized plan of study to practice
mathematical skills under the direction of the Mathematics Laboratory staff. Students who are enrolled in
this course must be concurrently enrolled in MATH 0013, MATH 0103, MATH 0115, or MATH 0213.
Does not satisfy any degree requirements for any degree program at Cameron University. Lecture 1 hour.

0213 INTERMEDIATE ALGEBRA, (Remedial/Developmental Course)
This course is designed to help students develop the skills needed for general education courses. Topics
include radical and rational exponents, inequalities, quadratics, complex numbers, and an introduction to
functions. Does not satisfy any requirements for any degree program at Cameron University. Students who have unsuccessfully attempted this course two or more times are required to co-enroll in MATH 0211. Lecture 3 hours. Prerequisite: MATH 0103 or satisfactory placement score.

1001 TECHNOLOGY FOR MATHEMATICS, 1 hour credit
An introduction to technology used in the practice and teaching of mathematics. Topics will vary by
semester. Course may be repeated for credit for different topics. Lecture 1 hour. Prerequisite: MATH 0213 or
MATH 0115 or satisfactory placement score.

1413* SURVEY OF MATHEMATICS, 3 hours credit
A survey course in Mathematics designed to acquaint the student with the breadth and beauty of
mathematics. Topics to be selected from set theory, logic, functions and relations, abstract algebraic
systems, history of numerical systems, combinatorial analysis and probability, statistics, geometry and
topology. Does not apply toward a major or minor in mathematics or a major in mathematics education.
Lecture 3 hours. Prerequisite: MATH 0213 or MATH 0115 or equivalent. General Education, Mathematics.

1513* COLLEGE ALGEBRA, 3 hours credit
Topics covered are functions and graphs, including polynomial, rational, exponential and logarithmic;
linear systems; matrices, and elementary sequences and series. Does not apply toward a minor or major in
mathematics or a major in mathematics education. Lecture 3 hours. Prerequisite: MATH 0213 or MATH 0115 or equivalent. General Education, Mathematics.

1613* PLANE TRIGONOMETRY, 3 hours credit
The development, use and relations between circular and trigonometric functions; solutions of triangles;
and application to practical problems throughout the course. Does not apply toward a major or minor in
mathematics or a major in mathematics education. Lecture 3 hours. Prerequisite: MATH 0213 or MATH 0115 or equivalent. General Education, Mathematics.

1715* COLLEGE ALGEBRA AND TRIGONOMETRY, 5 hours credit
An integrated course in College Algebra and Trigonometry. This course is equivalent to the two courses
MATH 1513 and MATH 1613. Does not apply toward a major in or minor in mathematics or a major in
mathematics education. Lecture 5 hours. Prerequisite: MATH 0115 or 0213 or equivalent. General Education, Mathematics.

2115* CALCULUS AND ANALYTIC GEOMETRY I, 5 hours credit
Limits, derivatives with applications, the definite integral with applications. Lecture 5 hours. Prerequisites: MATH 1513 and 1613 or MATH 1715 or equivalent. General Education, Mathematics.
2235* CALCULUS AND ANALYTIC GEOMETRY II, 5 hours credit
Techniques of integration, applications of integration, polar coordinates, sequences and series, vectors. Lecture 5 hours. Prerequisite: MATH 2215.

2244* CALCULUS AND ANALYTIC GEOMETRY III, 4 hours credit
Solid analytic geometry, partial differentiation, multiple integrals, functions of several variables, vector calculus. Lecture 4 hours. Prerequisite: MATH 2235.

2353 MATHEMATICS FOR ELEMENTARY TEACHERS I, 3 hours credit
A basic course in mathematics for elementary education majors. An introduction to problem solving, numeration systems, whole number properties, and current technologies and manipulatives that relate to elementary mathematics. Additionally, operations with whole numbers are developed. Does not apply toward a major or minor in mathematics or a major in mathematics education. Lecture 3 hours. Prerequisite: Completion of one math general education course.

2363 MATHEMATICS FOR ELEMENTARY TEACHERS II, 3 hours credit
An introduction to the structure of the real number system, functions, and probability and statistics for elementary education majors. Various manipulatives are used as teaching tools. Does not apply toward a major or minor in mathematics or a major in mathematics education. Lecture 3 hours. Prerequisite: MATH 2353 or department permission.

2491-3 SELECTED TOPICS IN MATHEMATICS, 1-3 hours credit
A course designed to give non-mathematics majors the opportunity to study topics which are either not covered in the regular mathematics course offerings or not covered in sufficient depth for their needs. Topics considered appropriate for this course are those which require little or no calculus. May be repeated as often as desired with permission of the department chairman. Lecture 1-3 hours. Prerequisite: Permission of the department.

2613* FOUNDATIONS OF MATHEMATICS, 3 hours credit
This course is designed to facilitate the transition from calculus to advanced mathematics. Topics include logic, sets, relations, functions, properties of real numbers, cardinality, combinatorics and probability. Lecture 3 hours. Prerequisite: MATH 2215.

2713* ELEMENTARY CALCULUS, 3 hours credit
An introductory course in calculus for the non-mathematics major covering the following topics: limits, derivatives, and integration of functions of one or more variables. Applications will be related to Business, Economics, and the Social Sciences. Does not apply towards a major or minor in mathematics or a major in mathematics education. Lecture 3 hours. Prerequisite: MATH 1513 or equivalent. General Education, Mathematics.

3001 TECHNOLOGY FOR ADVANCED MATHEMATICS, 1 hour credit
An introduction to software packages used in the practice and teaching of advanced mathematics. Topics will vary by semester. Course may be repeated for credit for different topics. Prerequisite: MATH 2215.

3013 INTRODUCTORY LINEAR ALGEBRA, 3 hours credit
An introduction to the basic topics of linear algebra to include linear systems, matrices, vectors, and vector spaces, eigenvalues, and linear transformations. Lecture 3 hours. Prerequisite: MATH 2613.

3213* ABSTRACT ALGEBRA, 3 hours credit
The course emphasizes algebraic structures with particular emphasis on groups, rings, and fields. The fundamental theorems of group and ring theory are introduced and the beginning notions of field theory are presented. Lecture 3 hours. Prerequisite: MATH 2613.

3253 DIFFERENTIAL EQUATIONS, 3 hours credit
Ordinary differential equations with a brief introduction to solutions by series and Laplace transforms. Lecture 3 hours. Prerequisite: MATH 2235.

3302* HISTORY OF MATHEMATICS, 2 hours credit
The historical development of mathematics. Lecture 2 hours. Prerequisite: MATH 2215.

3333* COLLEGE GEOMETRY, 3 hours credit
A comprehensive course which includes topics from both Euclidean and non-Euclidean geometries. Lecture 3 hours. Prerequisite: MATH 2215.

3343* NUMERICAL ANALYSIS, 3 hours credit
An introduction to elementary numerical analysis. Topics include analysis of errors, approximation of solutions to equations and systems of equations, interpolation, approximation of functions, numerical differentiation and integration, and approximation of solutions to ordinary differential equations. Experience with computer programming is highly recommended, but not required. Lecture 3 hours. Prerequisites: MATH 3253 and either MATH 3013 or MATH 4433.

3373 ALGEBRA FOR TEACHERS, 3 hours credit
A course in algebra specifically designed for teachers. Topics include integers, equations, functions, graphing, and applications of algebra. Does not apply towards a major or minor in mathematics. Lecture 3 hours. Prerequisite: EDUC 3003 and either MATH 2215 or MATH 2363.

3383 GEOMETRY FOR TEACHERS, 3 hours credit
A course in geometry specifically designed for education majors. Topics include constructions and geometric proofs as well as the study of geometric objects in two and three dimensions. Does not apply towards a major in mathematics or minor in mathematics. Lecture 3 hours. Prerequisite: EDUC 3003 and either MATH 2215 or MATH 2363.

3413 DISCRETE MATHEMATICAL STRUCTURES, 3 hours credit
An introduction to discrete mathematical structures. Topics include combinatorics, recursion, recurrence relations, generating functions, and graph theory. Lecture 3 hours. Prerequisites: MATH 2235 and MATH 2613.

4113 INTRODUCTION TO OPERATIONS RESEARCH, 3 hours credit
An introductory treatment of some of the problems and techniques encountered in operations research. Topics include linear programming, network analysis, game theory, Markov chains, and analytical hierarchies. Lecture 3 hours. Prerequisite: MATH 2215 or 2713 or department permission.

4423* NUMBER THEORY, 3 hours credit
Divisibility of integers, congruencies, quadratic residues, mathematical induction, distribution of primes, diophantine equations, numerical functions and continued fractions. Lecture 3 hours. Prerequisite: MATH 2613 or department permission.

4433 MATRIX ALGEBRA, 3 hours credit
Elementary operations with matrix algebra, determinants, inverse of a matrix, rank and equivalence, linear dependence, vector spaces and linear transformations, characteristic equations of a matrix; bilinear, quadratic and Hermitian forms. Lecture 3 hours. Prerequisite: MATH 2215 or department permission.

4471-3 SEMINAR IN MATHEMATICS, 1-3 hours credit
Group projects designed to meet special needs. May be repeated as often as desired with permission of the department chairman. Seminar 1-3 hours. Prerequisite: Departmental approval. Will count on major or minor only with department permission.

4483 INTRODUCTION TO REAL ANALYSIS, 3 hours credit
A study of the basic concepts of analysis, elementary set theory, the real numbers, sequences and series, functions of real variables, derivatives, and integrals. Lecture 3 hours. Prerequisites: MATH 2235 and 2613.
4491-3 INDEPENDENT STUDY IN MATHEMATICS, 1-3 hours credit
Assigned research, readings, and reports based on the needs of the individual student. May be taken only by juniors and seniors. May be repeated as often as desired with permission of the department chairman. Independent study/directed readings 1-3 hours. Prerequisite: Department permission.

4773 TEACHING OF SECONDARY MATHEMATICS, 3 hours credit
Various aspects of the pedagogy of teaching secondary mathematics courses will be explored. Lecture 3 hours. Prerequisite: Juniors or seniors who have been admitted to Teacher Education; MATH 2613, and one of MATH 3302, MATH 3333, MATH 3413, or MATH 4423.

4782 MATHEMATICS CAPSTONE I, 2 hours credit
This course serves to integrate the mathematics curriculum through a comprehensive survey of significant theorems within the field covering a wide spectrum of topics. Students will also begin working on a project to be submitted and presented in MATH 4792. Capstone/lecture 2 hours. Prerequisite: Departmental permission.

4792 MATHEMATICS CAPSTONE II, 2 hours credit
This course serves to further the professional development of the student, including topics on careers and graduate school. Students will also submit and present their project started in MATH 4782. Program assessment is also a component. Capstone/lecture 2 hours. Prerequisite: MATH 4782.

STATISTICS COURSES (STAT)

1513* INTRODUCTION TO STATISTICS, 3 hours credit
An introductory course in the techniques of experimental statistics including estimation and hypothesis testing. Does not apply towards a major or minor in mathematics or a major in mathematics education. Lecture 3 hours. Prerequisite: MATH 0213 or 0115 or equivalent.

2013* INTRODUCTORY PROBABILITY AND STATISTICS I, 3 hours credit
Descriptive statistics including graphical representation of data, elementary probability and combinatorial methods, binomial and normal distributions, statistical inference including point estimates of mean, variance and proportion, confidence intervals, test of hypotheses. Lecture 3 hours. Prerequisite: MATH 1413 or 1513 or equivalent.

2023 INTRODUCTORY PROBABILITY AND STATISTICS II, 3 hours credit
A continuation of STAT 2013. Emphasis on various experimental designs - chi square tests, analysis of variance, regression and correlation, sampling, and introduction to nonparametric statistics. Lecture 3 hours. Prerequisite: STAT 2013 or departmental permission.

2613 BUSINESS STATISTICS, 3 hours credit
An introduction to quantitative tools used in business analysis. Measures of central tendency, distributions, regression and correlation, and statistical inference, including confidence intervals and test of hypothesis are covered. Business applications will be emphasized. Lecture 3 hours. Prerequisite: STAT 2013.

3113 MATHEMATICAL STATISTICS I, 3 hours credit
Introduction to combinatorial methods, probability random variables and expected value, discrete distributions, continuous probability functions, and moment generating functions. Lecture 3 hours. Prerequisite: MATH 2235.

3123 MATHEMATICAL STATISTICS II, 3 hours credit
A continuation of STAT 3113. Sampling, interval estimation, tests of hypotheses, and regression and correlation. Lecture 3 hours. Prerequisite: STAT 3113.

*Broad liberal arts and sciences course
Leadership laboratory is a weekly period emphasizing practical application of leadership and military skills. Activities include: rifle marksmanship, map reading and land navigation, team building exercises, physical conditioning and small unit tactics. The availability of an outdoor training area on campus and the proximity of Fort Sill allows students to get out of the classroom and apply the skills they have learned in fast-paced exercises. Participation in Leadership Lab and Physical Fitness training is optional for “Non-Contracted” cadets (but highly encouraged); mandatory for “Contracted” cadets. Laboratory 1 hour. Prerequisite: Basic Leadership (MSL 1022) or concurrent enrollment. MSL 1022 must be successfully completed before credit is given in this course.

2012 BASIC LEADERSHIP, 2 hours credit
Establishes foundation of basic leadership fundamentals such as problem solving, communications, briefings and effective writing, goal setting, techniques for improving listening and speaking skills and an introduction to counseling. Participation in Leadership Lab and Physical Fitness training is optional for “Non-Contracted” cadets (but highly encouraged); mandatory for “Contracted” cadets. Lecture 2 hours.

2002-8 LEADER’S TRAINING COURSE (BASIC CAMP), 2-8 hours credit
A four week opportunity to develop new skills, to grow personally and to qualify for enrollment in Army ROTC advanced courses. The Leader’s Training Course is a world-class leadership development program that will instill self-confidence and provide leadership skills for life. Prerequisite: Permission of the Professor of Military Science.

2011 INDIVIDUAL LEADERSHIP LAB, 1 hour credit
Leadership laboratory is a weekly period emphasizing practical application of leadership and military skills. Activities include: rifle marksmanship, map reading and land navigation, team building exercises, physical conditioning and small unit tactics. The availability of an outdoor training area on campus and the proximity of Fort Sill allows students to get out of the classroom and apply the skills they have learned in fast-paced exercises. Participation in Leadership Lab and Physical Fitness training is optional for “Non-Contracted” cadets (but highly encouraged); mandatory for “Contracted” cadets. Laboratory 1 hour. Prerequisite: Individual Leadership Studies (MSL 2012) or concurrent enrollment. MSL 2012 must be successfully completed before credit is given in this course.

2012 INDIVIDUAL LEADERSHIP STUDIES, 2 hours credit
Students identify successful leadership characteristics through observation of others and self through experimental learning exercises. Students record observed traits (good and bad) in a dimensional leadership inventory book. Completion of the Basic Course, Leader’s Training Course or placement credit for the Basic Course and approval from the Professor of Military Science are prerequisites for the Advanced Course. Candidates for a commission must also complete classes in U.S. Military History, Communication Skills, and Computer Literacy in addition to the University’s General Education requirement.

Scholarships

Scholarships are available for two, three and four year periods. Refer to the Financial Assistance section of the catalog or contact the Military Science Department for more information.

MILITARY SCIENCE AND LEADERSHIP COURSES (MSL)

Basic Course

The ROTC Basic Course provides an introduction to the purpose and history of the United States Army, training in fundamental military skills, principles of instructional techniques, classroom and practical training in leadership. Enrollment in Basic Course classes is open to all full-time students, male and female, regardless of intentions to continue in ROTC or to pursue a commission. There is no military obligation incurred for Basic Course attendance by non-ROTC scholarship students. Full academic credit is given for all ROTC basic courses. To qualify for enrollment in the Advanced Course, a student must complete 8 hours of Basic Course credit, through any of the following combinations: completion of all 1000 and 2000 level courses, placement credit received from the Professor of Military Science for prior military service or JROTC leadership experience, or completion of MSL 2002-8, Leader’s Training Course. Students receive a subsistence allowance while attending the Leader’s Training course (MSL 2002-8).

1011 FOUNDATIONS OF OFFICERSHIP LAB, 1 hour credit
Leadership laboratory is a weekly period emphasizing practical application of leadership and military skills. Activities include: rifle marksmanship, map reading and land navigation, team building exercises, physical conditioning and small unit tactics. The availability of an outdoor training area on campus and the proximity of Fort Sill allows students to get out of the classroom and apply the skills they have learned in fast-paced exercises. Participation in Leadership Lab and Physical Fitness training is optional for “Non-Contracted” cadets (but highly encouraged); mandatory for “Contracted” cadets. Laboratory 1 hour. Prerequisite: Foundations of Officerhip (MSL 1012) or concurrent enrollment. MSL 1012 must be successfully completed before credit is given in this course.

1012 FOUNDATIONS OF OFFICERSHIP, 2 hours credit
Introduces students to issues and competencies that are central to a commissioned officer’s responsibilities. Establish framework for understanding officerhip, leadership and Army values followed and “life skills” such as physical fitness and time management. Participation in Leadership Lab and Physical Fitness training is optional for “Non-Contracted” cadets (but highly encouraged); Mandatory for “Contracted” cadets. Lecture 2 hours.
Leadership Lab and Physical Fitness training is optional for “Non-Contracted” cadets (but highly encouraged); mandatory for “Contracted” cadets. Lecture 2 hours.

**2004 LEADER DEVELOPMENT AND ASSESSMENT COURSE (LDAC), 4 hours credit**

This course is available only to students with scheduling conflicts which prevent their completion of another lower division Military Science course. Content will duplicate the content of the course it replaces. Lecture 2 hours. Laboratory required if student is a contracted cadet.

**Advanced Course**

The Advanced Course, consists of MSL 3013, 3023, 4004, 4013 and 4023. Cadets normally attend Leader Development and Assessment Course (LDAC) (MSL 4004) during the summer between their junior and senior years. It is open only to students who have completed the Basic Course, Leader’s Training Course or for whom the Professor of Military Science has approved placement credit based on prior military service. The Advanced Course is designed to qualify a student for a commission as an officer in the United States Army. Students must qualify physically, mentally and morally prior to enrollment. They must complete all courses in sequence unless otherwise approved by the Professor of Military Science. Students receive full academic credit, to include 4 credits for the Leader Development and Assessment Course, and may declare a minor in Military Science (as approved by the Professor of Military Science). Students receive a stipend during the school year and veterans may draw the ROTC stipend and VA educational benefits concurrently. The Advanced Course emphasizes practical exercises in leadership.

**3001 LEADERSHIP AND PROBLEM SOLVING LAB, 1 hour credit**

Leadership laboratory is a weekly period emphasizing practical application of leadership and military skills. Activities include: rifle marksmanship, map reading and land navigation, team building exercises, physical conditioning and small unit tactics. The availability of an outdoor training area on campus and the proximity of Fort Sill allows students to get out of the classroom and apply the skills they have learned in fast-paced exercises. Attendance is mandatory for Juniors and Seniors. Laboratory 1 hour. Prerequisite: MSL 3013 or concurrent enrollment. MSL 3013 must be successfully completed before credit is given in this course.

**3003 LEADERSHIP AND PROBLEM SOLVING, 3 hours credit**

Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities. Participation in Physical Fitness training, Leadership Lab, and one weekend Field Training Exercise is required. Lecture 3 hours. Prerequisite: Completion of Military Science Basic Courses or placement credit for the Basic Courses and permission of the Professor of Military Science.

**3021 LEADERSHIP AND ETHICS LAB, 1 hour credit**

Leadership laboratory is a weekly period emphasizing practical application of leadership and military skills. Activities include: rifle marksmanship, map reading and land navigation, team building exercises, physical conditioning and small unit tactics. The availability of an outdoor training area on campus and the proximity of Fort Sill allows students to get out of the classroom and apply the skills they have learned in fast-paced exercises. Mandatory attendance for Juniors and Seniors. Laboratory 1 hour. Prerequisite: Leadership and Ethics (MSL 3023) or concurrent enrollment. MSL 3023 must be successfully completed before credit is given in this course.

**3023 LEADERSHIP AND ETHICS, 3 hours credit**

Examines the role communications, values and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey Army leadership doctrine. Emphasis on improving oral and written communication abilities. Participation in Physical Fitness training, Leadership Lab, and one weekend Field Training Exercise is required. Lecture 3 hours. Prerequisite: Completion of Military Science Basic Courses or placement credit for the Basic Courses and permission of the Professor of Military Science.
The Department of Physical Sciences offers programs leading to the Bachelor of Science degree with majors in Chemistry or Physics, and the Associate in Applied Science degree with a major in Electronics Engineering Technology.

BACHELOR OF SCIENCE DEGREE
MAJOR IN CHEMISTRY (340)

Chemistry is central to the study of all modern sciences and is therefore prerequisite to and required by many separate disciplines, even for their introductory courses. Since chemistry as a discipline is designed and structured as a vertical hierarchy (each course follows another and the preceding course is a required prerequisite) it is important to start the study of chemistry early in your college career. A basic year to two years of chemistry are required for entry into most allied health programs such as pharmacy, medical technology, physical and occupational therapy, radiological technology, biotechnology, and environmental sciences. A Bachelor’s degree in chemistry may be used to enter industry, teach, fulfill requirements for pre-professional programs such as medicine, dentistry, veterinary medicine, optometry, chemical engineering, and to enter graduate school for the further study of forensic science, chemistry, biochemistry, molecular biology, environmental science and other advanced programs.

At Cameron University there are three options to select from within the chemistry program. The selected option should be based upon the student’s long-term occupational goal. The American Chemical Society (ACS) Certified Chemistry Degree Option is recommended for students considering a career in chemistry, especially those considering graduate study in any field of chemistry including engineering. Our non-ACS Chemistry Degree Option requires fewer upper-level chemistry courses, and the student must select a minor, usually biology or mathematics. This course of study is recommended for those wishing to prepare for industry, engineering, and graduate study. For graduate study in most areas, the ACS Certified Chemistry Degree Option is probably the better program, although both chemistry degree programs have been well received by graduate institutions. The Health Profession Chemistry Degree Option is a non-traditional approach. This course of study is recommended for those wishing to prepare for careers in the health industries (medicine, osteopathy, optometry, dentistry, veterinary medicine) because it overlaps and fulfills almost all pre-professional admission requirements as part of the degree plan. Please note that all chemistry degree programs require Physics I and Physics II in addition to the minimum chemistry requirements. There are several possible goals not addressed here that should be discussed further with an advisor.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
II. UNIVERSITY REQUIREMENTS ............................................................................. 1-3 hours
    UNIV 1001 or 1113
III. MAJOR REQUIREMENTS* .................................................................................. 75-85 hours
    *Students must maintain an overall 2.0 GPA for all Major courses.
    A. Required Core Courses .................................................................................. 25 hours
        CHEM 1361/1364, CHEM 1471/1474, CHEM 3113, CHEM 3232,
        CHEM 3314, CHEM 3324, PSCI 4442

IV. ADDITIONAL REQUIREMENTS ............................................................................ 10 hours
    PHYS 1115 or PHYS 2015 (preferred) and PHYS 1215 or PHYS 2025 (preferred)

V. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.
BACHELOR OF SCIENCE DEGREE
MAJOR IN PHYSICS (385)

Physics is one of the basic sciences required by many disciplines. The Physics program at Cameron University emphasizes the multi-disciplinary approach and meets the needs of most pre-engineering programs. Graduates of the program generally enter industry (aerospace and defense industries are most common) or go on to graduate studies in physics, mathematics, computer science or other related areas. The Physics program requires that a minor in Mathematics be completed as fulfillment of the prerequisite courses for the upper division physics courses. Flexibility in the program is obtained by allowing the student to choose courses for study from the areas of chemistry, technology, and mathematics to fulfill degree requirements.

I. GENERAL EDUCATION REQUIREMENTS .............................................................. 44 hours
II. UNIVERSITY REQUIREMENTS ..............................................................................1-3 hours
UNIV 1001 or 1113
III. MAJOR REQUIREMENTS* ................................................................................... 40 hours
A. Required Courses ..................................................................................................28 hours
PHYS 1115 or PHYS 2015, PHYS 1215 or PHYS 2025, PHYS 3003, PHYS 3011, PHYS 3043, PHYS 3303, PHYS 3403, PHYS 4113, PSCI 4442
B. Course Options ...................................................................................................... 4-5 hours
Option A: Electronics (5 hours)
PHYS 3031 and PHYS 3043
Option B: Optics (4 hours)
PHYS 4403 and CHEM 4452
C. Other Elective Courses .......................................................................................... 7-8 hours
CHEM 4353, CHEM 4363, PHYS 3033, PHYS 4452, PHYS 4481-3, PHYS 4491-3
IV. ADDITIONAL REQUIREMENTS ........................................................................... 20 hours
CHEM 1474/1471, CIS 2133 (or similar), MATH 2235, MATH 2244, and MATH 3253.
Depending upon high school background, some students may also need: MATH 0013, MATH 0103, MATH 0213 and/or MATH 0115, MATH 1513, MATH 1613 and/or MATH 1715 as prerequisites. Some of these courses may be used to satisfy General Education requirements.
V. MINOR REQUIREMENTS ......................................................................................... 18 hours
(Mathematics or Chemistry minor strongly recommended.)
VI. ELECTIVES TO COMPLETE 124 HOURS REQUIRED FOR GRADUATION.

ASSOCIATE IN APPLIED SCIENCE DEGREE
MAJOR IN ELECTRONIC ENGINEERING TECHNOLOGY (540)

Electronic Engineering Technology concepts and applications with emphasis in developing circuitry and test equipment expertise. Electronic Engineering Technology graduates are entry level electronics applications specialists. Typical career paths include computers, telecommunications, electronic controls, manufacturing, and research and development.

I. GENERAL EDUCATION REQUIREMENTS ........................................................... 18 hours
A. Required Courses ..................................................................................................9 hours
ENGL 1113, PS 1113; HIST 1483 or HIST 1493

B. Selected Electives .................................................................................................. 9 hours
General Education Behavioral Science or Economics (3 hours) and ENGL 1213 or COMM 1113 and General Education Humanities (3 hours)

II. MAJOR REQUIREMENTS ...................................................................................... 43 hours
A. Technical Specialty (Electronics) ........................................................................... 27 hours
EET 1013, EET 1023, EET 1053, EET 2013, EET 2023, EET 2133, EET 2193, EET 2243, EET 2263
B. Technical-Occupational Support Courses ............................................................. 10 hours
CAD 1013, CIS 2133 or CIS 2134, PHYS 1004
C. Technical-Occupational Related Coursework ..................................................... 6 hours
MATH 1513, MATH 1613
( NOTE: MATH 1715 plus 1 hour elective will satisfy this requirement)

III. ELECTIVES TO COMPLETE 61 HOURS REQUIRED FOR GRADUATION.

COURSES

The course curricula to complete a degree in the Department of Physical Sciences is designed to be studied in a sequential manner. The prerequisites are advisory and reflect this sequence. These courses are taught using knowledge and skills that the student is expected to retain from previous studies. Taking Physical Sciences courses in an improper sequence, without the recommended prerequisites, and/or with an extended period of time between these courses will require significant additional effort by the student and increase the difficulty of the program.

ASTRONOMY COURSE (ASTR)

1104* CONTEMPORARY ASTRONOMY, 4 hours credit
A one-semester survey course in astronomy. Topics are developed around observational astronomy, how astronomers understand the universe using models, astronomical and physical concepts which provide a fundamental understanding. The course surveys the solar system, our galaxy and near stars, and stellar characteristics. Lecture 4 hours. Prerequisite: At least one year of high school algebra. General Education, Physical Science.

CHEMISTRY COURSES (CHEM)

1004* DESCRIPTIVE CHEMISTRY, 4 hours credit
A one-semester introductory course in chemistry. Principal concepts and theories of chemistry are examined from the layman’s point of view. This course is highly recommended for those planning to take CHEM 1364/1361 who have not had previous chemistry. Credit earned in this course cannot be counted towards a science major or minor. This course does not fulfill chemistry requirements for professional programs. Lecture 4 hours. General Education, Physical Science.

1361* GENERAL CHEMISTRY LABORATORY I, 1 hour credit
Selected laboratory experiences to test application of chemical theory. Laboratory 2 hours. Prerequisite: Successful completion of or concurrent enrollment in CHEM 1364. General Education Laboratory Science, Physical Science.

1364* GENERAL CHEMISTRY I, 4 hours credit
Principles of general chemistry, with emphasis on theory and its application to structure and reactions. Lecture 4 hours. Students are strongly recommended to take MATH 1513 (College Algebra) or higher as it is a prerequisite for CHEM 1474 (General Chemistry II), General Education, Physical Science.
4332* ADVANCED INORGANIC CHEMISTRY LAB, 2 hours credit
An introduction to classical inorganic chemical syntheses, purification methods and analyses. Techniques utilized in the identification of compounds include Fourier transform infrared, ultra-violet and visible, multinuclear magnetic resonance and mass spectrosocopies. Some synthetic procedures utilize an inert atmosphere approach. Laboratory 6 hours. Prerequisite: CHEM 4334 or concurrent enrollment.

4334* ADVANCED INORGANIC CHEMISTRY, 4 hours credit
An advanced study of the principles of inorganic chemistry. Theoretical concepts to be included in the study are chemical bonding, acid-base chemistry, coordination chemistry, crystal field theory, and molecular orbital theory. An investigation into periodicity of the elements in terms of the effect of atomic size, ionic size, and charge on various chemical properties will be pursued. Lecture 4 hours. Prerequisites: CHEM 3324, PHYS 1215, and MATH 2215.

4351* PHYSICAL CHEMISTRY LABORATORY I, 1 hour credit
Apparatus, method and calculations employed in physicochemical measurements. Laboratory 3 hours. Prerequisites: CHEM 4353 or concurrent enrollment and CHEM 3232.

4353* PHYSICAL CHEMISTRY I, 3 hours credit
The study of thermodynamics particularly as applied to chemical systems. Lecture 3 hours. Prerequisites: CHEM 1474/1471, MATH 2215 and PHYS 1215 or PHYS 2025.

4361* PHYSICAL CHEMISTRY LABORATORY II, 1 hour credit
A continuation of CHEM 4351. Laboratory 3 hours. Prerequisite: CHEM 4363 or concurrent enrollment.

4363* PHYSICAL CHEMISTRY II, 3 hours credit
A continuation of CHEM 4353. Study of kinetics, quantum mechanics, and statistical thermodynamics as related to chemical systems. Lecture 3 hours. Prerequisite: CHEM 4353.

4401* BIOCHEMISTRY I LABORATORY, 1 hour credit
Qualitative and quantitative examination of biochemical materials and reactions. Laboratory 3 hours. Prerequisite: CHEM 4403 or concurrent enrollment.

4403* BIOCHEMISTRY I, 3 hours credit
An introduction to the chemistry and metabolism of carbohydrates, lipids, and proteins. Basic concepts of biochemistry of vitamins and enzymes, biological oxidations, bioenergetics. Lecture 3 hours. Prerequisite: CHEM 3324 or CHEM 3345.

4411* BIOCHEMISTRY II LABORATORY, 1 hour credit
A continuation of Biochemistry Laboratory CHEM 4401. Laboratory 3 hours. Prerequisites: CHEM 4401, CHEM 4413 or concurrent enrollment.

4413* BIOCHEMISTRY II, 3 hours credit
A continuation of Biochemistry, CHEM 4403, with emphasis on the catabolic routes of metabolism. Lecture 3 hours. Prerequisite: CHEM 4403.

4472 METHODS OF TEACHING PHYSICAL SCIENCES, 2 hours credit
Methods in teaching the physical sciences for secondary school. Lecture and laboratory demonstrations, 2 hours. Prerequisite: CHEM 3324. Teacher Certification students should be admitted to teacher education prior to enrollment in this course.

4481-3 ADVANCED TOPICS IN CHEMISTRY, 1-3 hours credit
This lecture-based course will focus on a topic or topics of current interest to the chemical profession. Lecture 1-3 hours. Prerequisite: CHEM 3324 or CHEM 3345 or concurrent enrollment.

4491-4 SPECIAL PROBLEMS IN CHEMISTRY, 1-4 hours credit
Training in independent work. Experimental investigations of an assigned problem. Normally graded on S/U basis. Laboratory 3-12 hours. Prerequisite: Department approved application.
ELECTRONIC ENGINEERING TECHNOLOGY COURSES (EET)

1013* ELECTRICITY I, 3 hours credit
Electrical principles and applications are introduced. Topics include electrical parameters and units, direct and alternating current, series and parallel circuits, resistance, capacitance, inductance, and magnetism. Lecture 2 hours, laboratory 2 hours. Prerequisite: Understanding of algebraic principles.

1023 ELECTRICITY II, 3 hours credit
A continuation of EET 1013. Topics include equivalent circuits, reactance, impedance, and power factor. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 1013.

1053 ELECTRONICS I, 3 hours credit
Semiconductor electronic device characteristics, operation, and applications are introduced. Junction diodes, zener diodes, light emitting diodes, bipolar and field effect transistors, and operational amplifiers are covered. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 1013.

2001-3 SPECIAL PROBLEMS IN ELECTRONICS, 1-3 hours credit
Guidance in independent work. Assigned study projects to strengthen student understanding of electronic principles and applications. Lecture arranged, laboratory arranged. Prerequisites: Department permission.

2013 ELECTRONICS II, 3 hours credit
A study of single and multistage electronic analog circuits. Applications include amplifiers, operational amplifier applications, power supplies, oscillators, active filters, phase-locked loops, and thyristors. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 1053.

2023 DIGITAL COMPUTER ELECTRONICS, 3 hours credit
A study of logic circuitry including integrated circuit configurations. Course topics include number systems, simplification techniques, logic gates, combination logic, and memory. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 1053.

2133 MEASUREMENTS AND CONTROLS I, 3 hours credit
The study of electronic measurement and control interfaces including pressure, level, flow, temperature, and velocity. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 2013.

2193 CIRCUIT APPLICATIONS, 3 hours credit
A project oriented capstone course that involves applications of electronic principles included in previous 1000 and 2000 level EET courses. Lecture 2 hours, laboratory 2 hours. Prerequisite: 12 hours of EET credit or department permission.

2243 COMMUNICATIONS CIRCUITS, 3 hours credit
The study of electronic transmitting and receiving circuits. Topics include oscillators, tuned circuits, amplifiers, and filters. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 2013.

2263 TELECOMMUNICATION SYSTEMS, 3 hours credit
A study of electronic telecommunication systems. Topics include telephone equipment, networking, signal transmission codes, and protocols. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 1053.

3333 MICROPROCESSORS I, 3 hours credit
A study of microprocessors, including architecture, assembly language, programming and machine language programming. Lecture 2 hours, laboratory 2 hours. Prerequisites: EET 1013 and EET 1053.

3473 OPTOELECTRONICS, 3 hours credit
A study of the interactions and interfacing of electronic and optic systems and signals. Course emphasizes optoelectronic emitters, receptors, signal transmissions, and video devices. Lecture 2 hours, laboratory 2 hours. Prerequisite: EET 2013.

4233 NETWORK COMMUNICATIONS APPLICATIONS, 3 hours credit
Applications of network communications systems. Topics include hardware, software, interfacing, media, and system management. Lecture 2 hours, laboratory 2 hours. Prerequisites: EET 2243 and EET 2263.

4813 SYSTEM DESIGN AND ANALYSIS, 3 hours credit
A project-oriented capstone that includes applications from previous EET courses. Students design, construct, and demonstrate electronic systems. Lecture 2 hours, laboratory 2 hours. Prerequisite: 21 hours in EET or department permission.

GEOLOGY COURSES (GEOL)

1014* PHYSICAL GEOLOGY, 4 hours credit
Emphasis is on plate tectonics, the rock cycle, and the hydrologic cycle. Discussion involved igneous, sedimentary and metamorphic rocks; results of erosion of the earth's surface by streams, oceans, winds, glaciers; phenomena of mountains, volcanoes, earthquakes and interior of the earth. Available field trips. Lecture 3 hours, laboratory 2 hours. General Education Laboratory Science, Physical Science.

PHYSICS COURSES (PHYS)

1004* DESCRIPTIVE PHYSICS, 4 hours credit
A survey course in general physics. Topics include mechanics, heat, sound, electricity, magnetism, light, and modern physics. For students who wish only four semester hours of physics. Credit earned in this course cannot be counted towards a science major or minor. Lecture 4 hours. Prerequisite: At least one year of high school algebra. General Education, Physical Science.

1115* PHYSICS I, 5 hours credit
A beginning lecture and laboratory study of the fundamental principles of mechanics, heat, and sound. Lecture 4 hours, laboratory 2 hours. Prerequisite: MATH 1613 or MATH 1715. General Education Laboratory Science, Physical Science.

1215* PHYSICS II, 5 hours credit
A continuation of PHYS 1115. A lecture and laboratory study of the fundamental principles of electricity, magnetism, light, and modern physics. Lecture 4 hours, laboratory 2 hours. Prerequisite: PHYS 1115.

2015* PHYSICS I FOR SCIENCE AND ENGINEERING MAJORS, 5 hours credit
A lecture-laboratory course of general physics taught with calculus. Includes topics from mechanics, heat and sound. Lecture 5 hours, laboratory 2 hours. Prerequisite: MATH 2215 or concurrent enrollment.

2025* PHYSICS II FOR SCIENCE AND ENGINEERING MAJORS, 5 hours credit
A continuation of PHYS 2015. Includes topics from electricity, light, and modern physics. Lecture 5 hours, laboratory 2 hours. Prerequisite: PHYS 2015.

2213* SELECTED TOPICS IN GENERAL PHYSICS, 3 hours credit
A survey treatment of the basic topics in general physics using calculus. Designed for those students who have taken the non-calculus general physics sequence as preparation for the upper division physics courses. NOT open to students with credit in PHYS 2015 or PHYS 2025. Lecture 3 hours. Prerequisites: PHYS 1215 and MATH 2215.

3003* MODERN PHYSICS I, 3 hours credit
An introduction to the ideas and experiments of 20th Century physics. Topics include special relativity, particle properties of waves, wave properties of particles, the Bohr theory of the atom, and an introduction to quantum mechanics. Lecture 3 hours. Prerequisites: MATH 2215 or concurrent enrollment and PHYS 1215 or PHYS 2025.
3011* MODERN PHYSICS I LABORATORY, 1 hour credit
Selected experiments in modern physics, such as Bragg's Law experiment, Michelson's Interferometer, Gamma Ray Spectroscopy, Hall Effect, Statistics of Data. Laboratory 3 hours. Prerequisite: PHYS 3003 or concurrent enrollment.

3024 ELECTRICAL MEASUREMENTS AND ELECTRONICS, 4 hours credit
Principles and application of dc and ac circuits analysis, measuring instruments, operational amplifiers, and various solid state devices. The physics of solid state electronic devices and their applications. Lecture 4 hours. Prerequisites: PHYS 1215 or PHYS 2025 and MATH 2215.

3031 ELECTRICAL MEASUREMENTS AND ELECTRONICS LABORATORY, 1 hour credit
Construction and testing of electrical circuits which are applications of the devices studied in PHYS 3024. Laboratory 3 hours. Prerequisite: PHYS 3024 or concurrent enrollment.

3033* MODERN PHYSICS II, 3 hours credit
A review of the historical background of nuclear physics coupled with modern theories and concepts of the nucleus, elementary quantum mechanics, and an introduction to solid state theory and its applications. Lecture 3 hours. Prerequisite: PHYS 3003.

3043 INTRODUCTION TO QUANTUM MECHANICS, 3 hours credit
An introduction to quantum mechanics. Schrodinger equation, probabilities, Heisenberg uncertainty principle, and angular momentum. Applications to atomic physics, molecular physics, condensed matter and nuclear physics. Lecture 3 hours. Prerequisites: PHYS 1215 or 2025 and MATH 3253 or concurrent enrollment.

3030* CLASSICAL MECHANICS, 3 hours credit
A vector analytical approach to the mechanics of particles, systems of particles, and rigid bodies. Lecture 3 hours. Prerequisite: PHYS 1115 or PHYS 2015 and MATH 3253.

3043 THERMAL PHYSICS, 3 hours credit
An examination of the principles of energy transfer due to temperature differences. Topics include temperature and temperature scales, equations of state, the three laws of thermodynamics, entropy, thermodynamic potentials, and kinetic theory. Lecture 3 hours. Prerequisites: MATH 2235 and PHYS 1215 or PHYS 2025.

4491-3 SPECIAL PROBLEMS, 1-3 hours credit
An individual study course of advanced nature. Subject material varies with background and interests of the student, and may be either class work or laboratory. Laboratory work will be of research quality with individual guidance from a faculty member. Normally graded on S/U basis. Independent study 1-3 hours. Prerequisites: 10 hours of Physics and department permission.

PHYSICAL SCIENCE COURSES (PSCI)

1055* GENERAL PHYSICAL SCIENCE, 5 hours credit
A lecture-demonstration course designed for students with a non-scientific background. The course attempts to integrate the various areas of physical science (physics, chemistry, astronomy and geology) into a comprehensible whole. This course is designed for non-science majors. Lecture/demonstration 5 hours. Prerequisite: One year of high school algebra or equivalent. General Education, Physical Science.

*Liberal arts & sciences course.
HONORS PROGRAM

OFFICE OF ACADEMIC ENRICHMENT

Tony Wohlers – Director
Lani Malcolm – Academic Services Coordinator

The Office of Academic Enrichment provides quality opportunities to Cameron University students to take rigorous honors classes, engage in guided research and scholarly activities, and participate in academically-sound study abroad opportunities by creating synergies across Academic Research, the Honors Program, and Study Abroad.

HONORS PROGRAM

The Cameron University Honors Program offers students the opportunity to graduate with honors. Based on specified admissions requirements and a formal application process, attainment of this academic distinction is open to all Cameron University students seeking enriching, high impact, innovative, and experiential learning opportunities.

PROCEDURES

1. Contact the Office of Academic Enrichment to learn about the admissions requirements and the formal application process.
2. Each person admitted to the Cameron University Honors Program will receive additional advising support from the Office of Academic Enrichment staff to ensure successful honors program graduation.

REQUIREMENTS

A student may apply to join the Cameron University Honors Program at any time during the semester. A minimum of 24 semester hours must be completed after admission to the honors program. Students must take the honors program core requirements and a certain number of electives.

I. HONORS CORE REQUIREMENTS ........................................................................... 12 hours
   HON 1001 Introduction to Honors Studies ......................................................... 1 hour
   HON 1102 Foundations of Leadership............................................................... 2 hours
   HON 2113 Honors Colloquium: Great Works I .................................................. 3 hours
   HON 2123 Honors Colloquium: Great Works II .................................................. 3 hours
   HON 3003 Honors Seminar .............................................................................. 3 hours

II. HONORS ELECTIVE REQUIREMENTS ............................................................... 12 hours
    Electives as approved by the Honors Council

III. HONORS COMPONENT IN CAPSTONE OR SENIOR MAJOR COURSE ....0 hours

HONORS COURSES (HON)

1001 INTRODUCTION TO HONORS STUDIES, 1 hour credit
This course is designed to familiarize students with the educational and social environment of Cameron University, acquaint them with the expectation, standards, and opportunities associated with the Honors Program, and provide basic skill sets in the areas of decision making, time management, ethics in research, and other related academic activities in the honors program. Lecture 1 hour. Prerequisite: Permission of the Honors Director.

1102 FOUNDATIONS OF LEADERSHIP, 2 hours credit
This course is designed to familiarize students with the theoretical and practical underpinnings of transformative leadership within the public and private sectors. This course provides the knowledge, skills, and foundation in leadership necessary to be an effective leader in a variety of settings. Lecture 2 hours. Prerequisite: Permission of the Honors Director.

2113 HONORS COLLOQUIUM: GREAT WORKS I, 3 hours credit
This course is designed as a multi-disciplinary, team-taught colloquium and examines the great historical, cultural, scientific and mathematical achievements and discoveries of selected cultures before 1500. Seminar 3 hours. General Education, Humanities – Diversity.
2123 HONORS COLLOQUIUM: GREAT WORKS II, 3 hours credit
This course is designed as a multi-disciplinary, team-taught colloquium and examines the great historical, cultural, scientific and mathematical achievements and discoveries of selected cultures since 1500. Seminar 3 hours. General Education, Humanities – Diversity.

3003 HONORS SEMINAR, 3 hours credit
This course is designed as an intensive, interdisciplinary, team-taught seminar that focuses on how the contributions from several disciplines illustrate the study of the selected topic; intensive study will focus on historical, cultural, and scientific aspects of the topic. Seminar 3 hours.

UNIVERSITY COURSES (UNIV)

4211-5 SPECIAL STUDIES, 1-5 hours credit
An intensive study of special upper-division areas or problems. Individual course offerings will vary by department. Independent study/directed readings 1-5 hours.

ADULT AND CONTINUING EDUCATION
Sylvia Burgess – Associate Vice President for Academic Affairs

INTERDISCIPLINARY STUDIES – AS AND BS
Sylvia Burgess – Oversight
Academic Advising Center – Advisement and Enrollment
DISTANCE LEARNING
Lisa Restivo – Coordinator

CONTINUING EDUCATION AND OUTREACH
ORGANIZATIONAL LEADERSHIP, REACH HIGHER
Assistant Professors: Krystal Brue, Karen Hardin, Mary Penick
Lorie Garrison – Coordinator

SOUTHWEST OKLAHOMA AREA HEALTH EDUCATION CENTER
SwAHEC
Joe Langley – ImPACT Director
Jenny Breeden – Clinical and Geriatric Education Coordinator

The mission of Cameron University Adult and Continuing Education (ACE) is to promote lifelong learning, an organizational leadership program, health care recruitment and training, and distance education support, and is dedicated to helping individuals, businesses, and groups transform themselves through knowledge.
Cameron University offers the Bachelor of Science and the Associate in Science with a major in Interdisciplinary Studies. These programs are designed to serve active duty military personnel and goal directed students whose educational needs are not met by one of the University's present majors.

PROGRAM ADMISSION
Prospective students are required to submit an application consisting of a title page, a list of all courses/credits previously earned that the student proposes to be applied to the Interdisciplinary Studies degree, and a two-page rationale (essay). The rationale (essay) should contain a clear statement of the student's educational objectives, an explanation of how the selected concentrations are interdisciplinary in nature, what the student expects to be able to do as a result of his/her studies, and a statement explaining why the proposed program is worthy of a college degree.

PROCEDURES
1. Contact the Interdisciplinary Studies Advisor in the Academic Advising Center to make an appointment and create a plan of study. Plans must be approved by the academic department for each area of concentration and by the director.
2. Each person admitted to the program will be assigned an advisor and committee member (if needed) to (a) visit with the student to clarify goals and objectives and (b) develop a program of study.
3. Changes in the plan of study must be approved by the advisor and director.
4. Candidates for graduation must submit a copy of the approved plan of study to the Registrar two semesters prior to planned graduation date to check for compliance with graduation requirements.

BACHELOR OF SCIENCE DEGREE
INTERDISCIPLINARY STUDIES (360)
A student may apply for admission to this program during or after the semester in which 12 semester hours of credit are completed (including transfer and military credit). A minimum of 12 semester hours must be completed after admission to the degree program. Students must meet computer literacy requirements of at least one of their areas of concentration or complete CIS 1013. This degree may or may not prepare a student for a particular occupation or entry into a baccalaureate degree program.

I. GENERAL EDUCATION REQUIREMENTS ................................................................. 44 hours
II. UNIVERSITY REQUIREMENTS .............................................................................. 1-3 hours UNIV 1001 or 1113
III. CONCENTRATION REQUIREMENTS* ............................................................... 51 hours
    A. Required Course ......................................................................................... 3 hours
        UNIV 4543
    B. Courses Approved by Chair or Advisor ..................................................... 48 hours
        Primary Discipline ..................................................................................... 30 hours
        Secondary Discipline .............................................................................. 18 hours

IV. ELECTIVES TO TOTAL 66 HOURS REQUIRED FOR GRADUATION

BACHELOR OF SCIENCE DEGREE
ORGANIZATIONAL LEADERSHIP (775)
Students who successfully complete the program are granted a bachelor of science in organizational leadership. This degree prepares students for success in government, nonprofit, corporate or industrial careers. The curriculum consists of skills and theory regarding organizational behavior, ethics, interpersonal skills, management, finance and communication skills. State business and education leaders created the degree program so working Oklahomans can advance their careers, increase their incomes and build Oklahoma’s economy.

I. GENERAL EDUCATION REQUIREMENTS ............................................................. 44 hours
II. MAJOR/MINOR REQUIREMENTS ......................................................................... 42 hours
    A. Required Courses ..................................................................................... 27 hours
        ORGL 3113, ORGL 3223, ORGL 3333, ORGL 3443, ORGL 4113,
        ORGL 4223, ORGL 4333, ORGL 4443, ORGL 4553

*Courses selected from two disciplines which in their aggregate comprise a rational combination of skills and concepts. A minimum of 25 semester hours must be upper division courses, 12 of which must be obtained from Cameron.
B. Optional Courses .................................................................................................................. 3 hours
ORGL 4993

C. Option* .............................................................................................................................. 12-15 hours
*Students who complete ORGL 4993 will complete 12 hours in the option; students who do not complete ORGL 4993 will complete 15 hours in the option.

Choose one of the following options:
Communication
Students will select courses from the list below for a total of 12-15 hours.
COMM 3313, COMM 3353, COMM 3393, COMM 3633, COMM 3833,
COMM 4313, COMM 4623, COMM 4723, COMM 4673, JOUR 3043,
JOUR 3343, PBRL 3113

Business
Students will select courses from the list below for a total of 12-15 hours.
ECON 2023, ACCT 2031, ACCT 2023, BUS 2113, BUS 3213,
BUS 3223, FIN 2113, FIN 3603, MGMT 3013, MGMT 3513, MGMT 4013,
MKTG 3423, MKTG 3433, MKTG 3533

Technology
Students will complete the following required courses and select additional courses from the list below for a total of 12-15 hours.
Required Courses: TECH 3013, TECH 4143
Choose 6-9 hours from the following: TECH 3003, TECH 4003, TECH 4033,
TECH 4443, MIS 4433

Criminal Justice
Students will complete the following required courses and select additional courses from the list below for a total of 12-15 hours.
Required Course: CJ 1013
Choose 9-12 hours from the following: CJ 3103, CJ 3133, CJ 3013, CJ 4033,
CJ 4113, CJ 4493

Military Science
Contracted Cadets: At least 18 credit hours from the following list of courses:
MSL 3011, MSL 3013, MSL 3021, MSL 3023, MSL 4004, MSL 4011,
MSL 4013, MSL 4021, MSL 4023, HIST 3133
Active Duty Students: Students will complete the following required courses, and select additional courses from the list below for a total of 12-15 hours.
Required Courses: MSL 2022, HIST 3133
Choose 6-9 hours from the following: MSL 2021, CJ 4023, MGMT 4013,
COM 2313, COMM 3335, PBRL 3113, GEOG 3213

III. PROFESSIONAL AND FREE ELECTIVE REQUIREMENTS ................................................. 38 hours**
**Courses could include prior academic credit on transcript and/or up to
30 hours of extra institutional credit through CLEP, DSST, military or prior
learning assessment (maximum of 15 hours in this category).

IV. ELECTIVES TO TOTAL 124 HOURS REQUIRED FOR GRADUATION

ORGANIZATIONAL LEADERSHIP COURSES (ORGL)

3113 FOUNDATIONS OF ORGANIZATIONAL LEADERSHIP AND PERSONAL DEVELOPMENT, 3 hours credit
This course is an introduction to the Organizational Leadership Bachelor of Science Program. Essential components will include: overview of program expectations; principles of adult learning; resources for success including library, campus, online resources and mentoring relationships; personal ness/stress and time management techniques; study and test-taking skills; and basic computer skills for working in an online environment. Lecture 3 hours.
UNIVERSITY COURSES (UNIV)

1000 ORIENTATION, 0 hour credit
Designed to provide survival-level information to the new student. An overview of the physical facilities and organizations of the University, policy, procedures, student services, and the library are presented. Lecture 2 hours.

1011 CAREER DEVELOPMENT, 1 hour credit
Designed to encourage and assist students in the exploration of their interests, values, skills, personal assets, and life goals as they relate to general economic conditions and employment trends. Lecture 1 hour.

2211-5 SPECIAL STUDIES, 1-5 hours credit
A study of special lower-division areas or problems. Individual course offerings will vary from department to department. Independent study/directed readings 1-5 hours.

2543 IDS AS CAPSTONE EXPERIENCE, 3 hours credit
This course provides students with an opportunity to integrate concepts and theories learned through studies in their designated concentrations. Students will select a faculty advisor from each of the student's designated areas of concentration (approved by the chairs of each impacted department), and will work with the advisors to design and implement capstone projects related to the concentrations, culminating in written reports, oral presentations and a degree achievement portfolio. Emphasis is on critical thinking and analysis, and decision making in an interdisciplinary environment. This course normally must be taken in the student's final enrollment period. Independent study/directed readings 3 hours.

3001 JOB SEEKER SKILLS, 1 hour credit
Designed for students in their junior or senior year of the traditional four year degree program or the final semester of an associate degree program. Students explore career opportunities beyond graduation and develop a personal job search strategy. Correspondence, resume development, and interview techniques constitute a major portion of the course content. Lecture 1 hour. Prerequisite: Junior standing.

4543 IDS BS CAPSTONE EXPERIENCE, 3 hours credit
This course provides students with an opportunity to integrate concepts and theories learned through studies in their designated concentrations. Students will select a faculty advisor from each of the student's designated areas of concentration (approved by the chairs of each impacted department), and will work with the advisors to design and implement capstone projects related to the concentrations, culminating in written reports, oral presentations and a degree achievement portfolio. Emphasis is on critical thinking and analysis, and decision making in an interdisciplinary environment. This course normally must be taken in the student's final enrollment period. Independent study/directed readings 3 hours.

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ROBERT HANEFIELD ..................................................... Director of Physical Facilities
FACULTY AND ADMINISTRATIVE STAFF


ADAMS, STEPHEN M. (1987) Communication, B.S., M.S., Oklahoma State University


AHMAD, SAEED (2012) Physical Sciences, B.S., Punjab University (Pakistan); M.S., M.Ph., Quaid-i-Azam University (Pakistan); Ph.D., University of Virginia.

AHMED, SYED M. (2001) Business, B.A., M.A., University of Dhaka (Bangladesh); M.A., University of Manitoba; Ph.D., Simon Fraser University.


ARGYROS, IOANNIS K. (1990) Mathematical Sciences, B.S., University of Athens (Greece); M.Sc., Ph.D., University of Georgia.


BALMER, THOM (2012) Psychology, M.Div., Southern Seminary; M.A., Hardin-Simmons University; Ph.D., Capella University.

BAUSCH, ROBERT S. (1995) Criminal Justice and Sociology, B.A., M.A., California State University-Fullerton; Ph.D., Purdue University.


BELEW, BRANDY (2011) Academic Advising Center, Retention Counselor, B.A., Cameron University.

BEST, ANGELA (2011) Student Development, Coordinator, Career Services, B.B.A., Cameron University.


BILLINGS, DANIEL (2013) Admissions, Admissions Counselor, B.S., Cameron University.


BOSS, STEPHANIE (2012) Chair, Health and Physical Education, B.S., University of Central Oklahoma; B.A. Western Oklahoma State University; Ed.D. Candidate, Walden University.

BRADY, GERALDINE (2011) Information Technology Services, Technician, A.A.S., B.S., Cameron University.

BRAYFIELD, BRAD PAUL (2012) Biological Sciences, B.S., Kansas State University; M.S., University of Nebraska-Lincoln.

BREAZEALE, DONALD E. (2013) Agriculture, B.S., M.S., California State Polytechnic University; Ph.D., Texas A&M University.

BREDEN, JENNY (1997) Southwest Oklahoma Area Health Education Center, Clinical and Geriatric Education Coordinator, B.A., College of West Virginia.


BRYAN, CLINTON (1988) Physical Sciences, B.S., University of Arkansas; M.S., University of Kansas; Ph.D., University of Arkansas.

BRYAN, KERRY (2011) Student Housing, Hall Director, B.S., East Texas Baptist University.


BUCKLEY, GARY (1986) Physical Sciences, B.S., Northern Illinois University; M.S.; Ph.D., Texas A&M University.

BURGESS, SYLVIA (1995) Associate Vice President for Academic Affairs, B.A., Cameron University; J.D., University of Oklahoma School of Law; LL.M. (Taxation), Southern Methodist University.

CALIX, SHAUN (2013) Psychology, B.S., University of Alabama; M.S., University of Southern Mississippi; Ph.D., University of Missouri-Columbia.
DIAZ-GOMEZ, PEDRO (2007) Computing and Technology, B.S. and Specializations, Andes University (Columbia); M.S., Ph.D., University of Oklahoma.

DODD, JERROLD L. (2000) Agriculture, B.S., M.S., Fort Hays State University; Ph.D., North Dakota State University.


DRISI, JAWAD (2008) Computing and Technology, B.S., M.S., University of Grenoble, France; M.S., Ph.D., University of Montreal, Canada.


DUNN, MICHAEL T. (2003) Biological Sciences, B.S., M.S., Boise State University; Ph.D., Ohio University.

DURANT, ZOE (1988) Admissions, Director of Admissions, B.S., North Georgia College; M.B.S., Cameron University.

DZINDOLET, MARY (1993) Chair, Psychology, B.A., Skidmore College; M.A.S., Louisiana State University; Ph.D., University of Texas.


FISCHER, LEON (1991) Chair, Department of Agriculture, B.S., Cameron University; M.S., Ph.D., Oklahoma State University.


FRISBY, DENNIS L. (2004) Biological Sciences; B.S., Central State University; Ph.D., LSU Medical Center.

FRISBY, TAHZEEBA (2010) Biological Sciences, B.S., University of Central Oklahoma; Ph.D., University of Oklahoma.

GAINES, LOREE (2004) Biological Sciences, B.S., Kansas State University, M.P.H., University of Kansas Medical Center; D.V.M., Kansas State University.

GAINES, RONALD (2001) Biological Sciences, B.S., M.S., Kansas State University.


GARRETT, ASHIM (2012) Information Technology Services, Assistant UNIX Systems Administrator, B.S., Cameron University.

GLAZER, COURTNEY (2005) Education, Coordinator of Field Experiences, B.A., Emory University; M.A., Stanford University; Ph.D., The University of Texas at Austin.

GLOVER, JAMIE (2003) Associate Vice President of Enrollment Management, B.S., Oklahoma State University; M.B.A., Cameron University.

GOODWIN, RICK (2005) Athletics, Coordinator of Special Athletic Events; Head Women's Golf Coach, PGA Professional.


GRIFFIN, ASHRE (2011) Information Technology Services, A.A.S., Hocking College; B.S., Cameron University.

GROOMES, ELIZABETH (2010) English and Foreign Languages, B.A., Stetson University; M.A., University of South Florida.


GUTHRIDGE, CARLA (2002) Chair, Biological Sciences, B.S., Eastern Kentucky University; M.B.S., Cameron University.


HARDIN, KAREN (1996) Organizational Leadership, B.S., Dallas Baptist University; M.A., University of Dallas.


HAWKINS, JAMES (2005) Education, B.S., Southwestern Oklahoma State University; M.Ed., Educational Leadership, B.S., Ph.D., Oklahoma State University; M.A., Mississippi State University.

HEFLIN, JAMES L. (1985) Communication, B.A., Mississippi College; M.S., Ph.D., University of Southern Mississippi.

HELVEY, JAMES L., JR. (1993) Health and Physical Education, Athletics, Men's and Women's Tennis Head Coach, B.B.A., Texas Wesleyan University; M.S., Cameron University.

HENSON, VICKI (1986) Veterans Affairs, Coordinator of Veterans Affairs, A.S., Murray State College; B.S., Cameron University; Ph.D., University of Oklahoma.

HERRING, GREGORY J. (2007) Chair, Mathematical Sciences, B.S., Carroll College; Ph.D., University of Massachusetts-Amherst.


HITT, DWIGHT (2009) Business, B.S., Kansas State University; M.B.A., University of Texas at Arlington; Ph.D., University of North Texas.

HODGSON, JOHN (2000) Chair, English and Foreign Languages, B.A., The Citadel; M.A., Florida Atlantic University; Ph.D., University of Oklahoma.


HOLLAND, JENNIFER (2001) Vice President for Student Services, B.A., M.B.A., Cameron University.

HOLLAND, PAMELA (2009) Education (Reading Center), M.Ed., Southwestern Oklahoma State University.


HONG, MOONKI (2013) Criminal Justice and Sociology, B.A., Kyung Won University (Korea); M.A., Sam Houston State University; Ph.D. Candidate, Florida State University.

HOOLEY, ELLIS (2000) Teaching and Learning, Center for Writers, Assistant Director, B.A., Cameron University.


HUSAK, MANDY L. (2005) Academic Affairs, Academic Affairs Coordinator, B.S., Mississippi University for Women; M.S., Mississippi State University.

HUSAK, MICHAEL S. (2003) Biological Sciences, B.A., M.S., Angelo State University; Ph.D., Mississippi State University.


JACKSON, JAMES (2005) Athletics, Director of Athletics, B.A., Kansas Wesleyan University; M.S., University of North Texas.


JAVED, MUHAMMAD (2010) Computing and Technology, B.S., University of Engineering and Technology, Pakistan; M.B.A., Oklahoma City University; M.S., Ph.D., University of Oklahoma.

JENKINS, MATTISON (1995) Communication, B.S., Ohio University; M.S., Syracuse University; Ed.D., Delta State University.

JEREZ, RICARDO A. (1999) Psychology, B.S., M.S., Cameron University; Ph.D., University of Oklahoma.


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JONES, LISA (2012) Student Support Services, Academic Advisor/Tutor Coordinator, B.S., Cameron University.

JONES, HARDY, JR. (2008) English and Foreign Languages, B.A., Louisiana State University; M.F.A., University of Memphis; Ph.D., University of Louisiana at Lafayette.

JOUHEN, SUZY (2012) Business, Graduate Coordinator, B.B.A., Mississippi State University.

KADEL, GOKUL (2013) Mathematical Sciences, B.S., M.S., Tribhuvan University (Nepal); Ph.D. Candidate, Bowling Green State University.

KANE, LAURA (1990) Accountant, B.S., Cameron University.

KELLER, CHRIS (2000) Chair, Communication, B.A., M.A.T., Cameron University; Ph.D., University of Oklahoma.

KENGWOUNG-KUMO, JEAN-JACQUES (2012) Mathematical Sciences, B.S., University of Dchung (Cameroon); M.S., University of Yaounde (Cameroon); Ph.D., New Mexico State University.


KING, HEATHER (2011) English and Foreign Languages, B.A., Augusta State University; M.A., National University.

KINGSLEY, MARGERY A. (1994) Assistant Vice President for Academic Affairs, A.B., Princeton; M.A., Ph.D., University of California at Los Angeles.

KINSLOW, CAROLYN (1991) Teaching and Learning, Center for Writers, Director, B.A., University of Oklahoma; M.S., Cameron University; Ph.D., University of Oklahoma.


KREGER, CASEY (2012) Athletics, Head Men’s Cross Country Coach, Supervisor, Shepler Desk, B.S., Cameron University; M.S., East Central University.


LAMBERT, JAMES W. (1976) Chair, Music, B.M.E., Baylor University; M.M., University of North Carolina; D.M.A., University of Oklahoma.

LANGLEY, JOSEPH (2006) Southwest Area Health Education Center, ImpACT Director, B.A., University of Tulsa; M.Div., Southern Methodist University; M.S., Cameron University; D.Min., Phillips University.


LARSON, JEFF (2012) Communication, Video Production Manager, B.A., Menlo College; M.S., Valparaiso University.


LEI, MING (2013) Communication, B.A., Hunan Normal University (China); M.A., Ph.D. Candidate, Washington State University.

LEHMAN, JOSH (2009) Public Affairs, Senior Director, B.A., University of Northern Iowa; M.S., Marshall University.

LI, HONG (2009) Mathematical Sciences, B.S., Beijing Union University; M.S., Michigan Technological University; Ph.D., Bowling Green State University.


LIN, TACHUN (2011) Computing and Technology, B.S., M.S., National Chiao Tung University (Taiwan); Ph.D., University of Oklahoma.


LIU, YINGQIN (2008) English and Foreign Languages, B.A., Xi’an Foreign Languages University; M.A., Western Kentucky University; Ph.D., Texas Tech University.

LOCKE, WENDY (2009) Student Development, Employee Relations Coordinator.

LONGORIA, RICHARD (2011) History and Government, B.A., DePaul University; M.A., University of Chicago; Ph.D., University of Maryland College Park.


LOVE, INEZ KAY (1992) Student Support Services, Academic Counselor/Mentor Coordinator, B.S., Cameron University; M.S.W., University of Oklahoma.

LOWE, RICK (2013) Criminal Justice and Sociology, A.A.S., B.S., Cameron University; M.A., Oklahoma City University.


MASTERS, J. KEN (2006) Business, B.A., Louisiana State University; M.B.A., McNeese State University; Ph.D., University of North Texas.


MCCOMAS, RICHARD (1992) Business Office, Purchasing Agent, B.S., University of Central Oklahoma; B.S., M.S., Cameron University.


MCDONALD, BRANDON (2009) Biological Sciences, B.S., Cameron University; M.S., Midwestern State University.

MCGRAIL, JENNIFER (2007) Alumni Relations, Director, B.A., University of Tulsa; M.B.A., Cameron University.

MCGUIRE, DANNY (2001) Chair, Physical Sciences, B.S., Cameron University; B.S., University of Science and Arts of Oklahoma; M.Ed., Southwestern Oklahoma State University; Ph.D., University of Oklahoma.


MELROSE, JILL (2013) Director, Student Wellness Center, B.S., Cameron University; M.Ed., Southwestern Oklahoma State University.


METZGER, JEFFREY (2008) History and Government, B.A., University of Notre Dame; M.A., Ph.D. Candidate, University of Toronto.


MIAN, BOB (2012) Psychology, B.S., Metropolitan State University; M.S., University of Oklahoma.

MITCHELL, JOHNA (2005) Open Doors ( Talent Search), Academic Advisor, B.S., Tarleton State University; M.S., Cameron University; B.S., University of Oklahoma.


MONASSAR, HISHAM (2011) English and Foreign Languages, B.A., Sana’a University (Yemen); M.A., Ph.D., Ball State University.


MOORE, KYLE (2012) Physical Sciences, B.A., B.S., Southwestern Oklahoma State University; Ph.D., University of Wisconsin-Madison.


MUNIR, ISLAM (2011) Information Technology Services, Technician, B.S., Cameron University.

MYERS, FRANK (2006) Enrollment Management, Associate Director of Enrollment Management and New Student Programs, B.S. Cameron University; M.P.A., University of Oklahoma.

NAFEHI, ZEAK (2006) Student Activities, Director, B.S., East Central University; M.Ed., University of Arkansas.

NAGARAJ, NAGARAJ (2013) Physical Sciences, B.Sc., M.Sc., Osmania University, Hyderabad (India); Ph.D., University of North Texas.

NALLEY, ELIZABETH ANN (1969) Physical Sciences, B.S., Northeastern Oklahoma State University; M.S., Oklahoma State University; Ph.D., Texas Woman’s University.


NAKEDAR, ANKUR (2011) Business, B.S., Rajiv Gandhi University, India; M.S., The University of Texas-Pan American; Ph.D., The University of Texas-Pan American.


NEWMAN, COVA (1998) Teaching and Learning, Reading Center, Director, B.S., M.S., Cameron University.

ODO, JONATHAN (2007) Chair, Criminal Justice and Sociology, B.A., Arkansas State; M.A.J., Wichita State University; Ph.D., Florida State University.


OH, YOONSEI (2012) Health and Physical Education, B.A., Kyunghee University (Korea); M.S., Brigham Young University; Ph.D., University of Wisconsin-Madison.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution(s)</th>
</tr>
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<tbody>
<tr>
<td>SMITH, K. DAVID (2000)</td>
<td>Computing and Technology, B.S., University of Arizona; M.S., University of Southern California</td>
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