

McMURRY UNIVERSITY

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2014-2015 CATALOG

McMurry University is accredited by the
Southern Association of Colleges and Schools Commission
on Colleges to award baccalaureate and master's degrees.
Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097
or call 404-679-4500 for questions about the accreditation of McMurry University.

also accredited by
University Senate of the United Methodist Church
Texas Education Agency
Commission on Collegiate Nursing Education (BSN, MSN Programs)

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National Association of Schools and Colleges of the United
Methodist Church
Independent Colleges and Universities of Texas
Texas United Methodist College Association
National Collegiate Honors Council
Council of Independent Colleges
National Association of Independent Colleges & Universities
Council on Undergraduate Research
Association of Governing Boards

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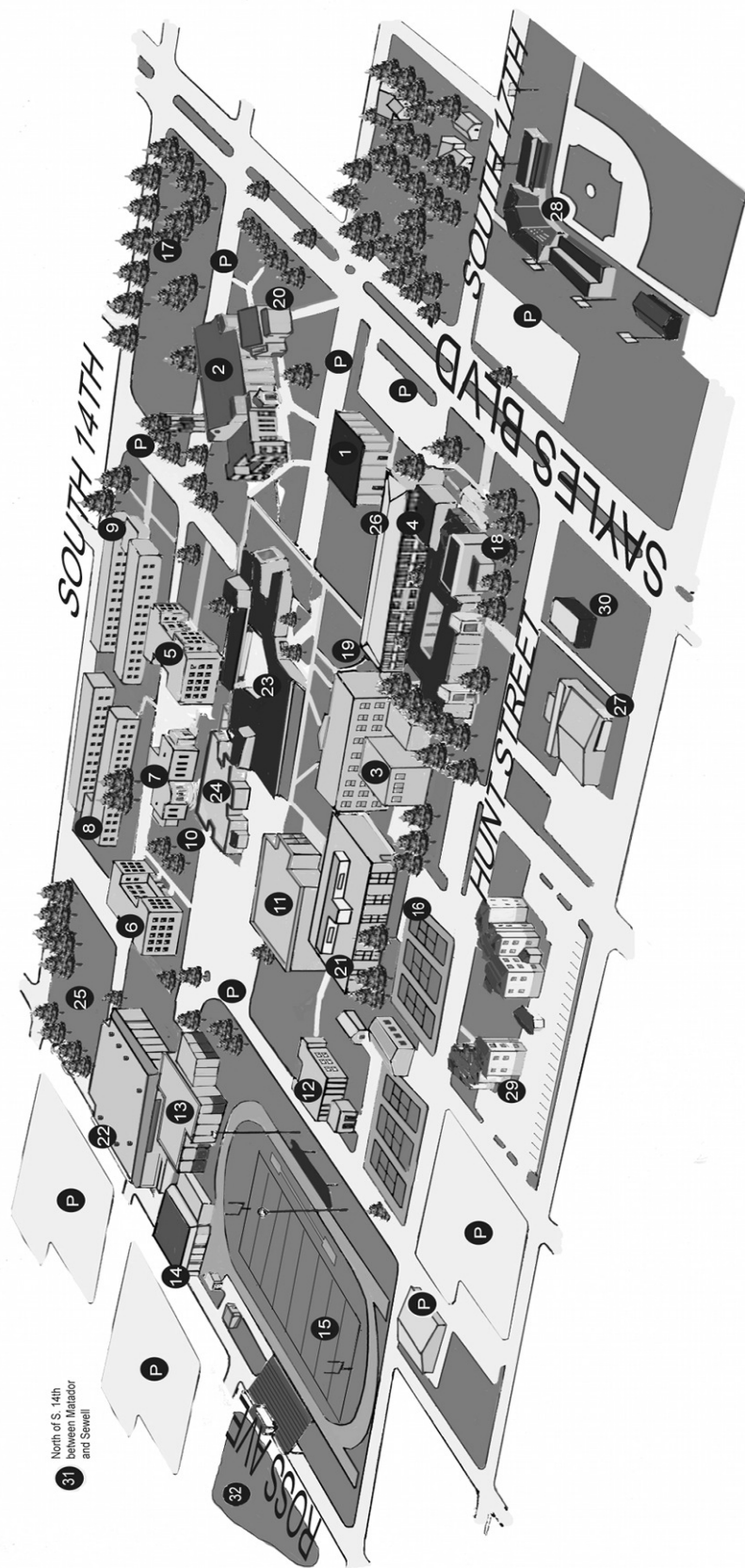
DISCLAIMER

While this catalog accurately reflects the programs, policies, and requirements at the time of printing, the University reserves the right to change or amend this catalog in any way as may be deemed necessary.

The Catalog of McMurry University is, in effect, an agreement between the student and the University. It contains information concerning the academic requirements and other regulations of the University.

Familiarizing yourself with its provisions will allow you to avoid many of the misunderstandings, delays, and difficulties which otherwise will confront you as you seek to meet the requirements for matriculation and graduation.

Cover By Le'ann Ardoyno



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|---|--|--|
| 1. C. E. Maedgen Administration Building | 12. Bynum Band Hall | 23. Shirley L. & Mildred Garrison United Methodist Campus Center |
| 2. Radford Memorial Auditorium | 13. Phillips Family Student Activity Center | 24. J. E. and L. E. Mabee Dining Hall |
| 3. Old Main Building | 14. R. M. Medley Field House | 25. Athletic Practice Field |
| 4. Harold Groves Cooke Liberal Arts Building | 15. Wilford Moore Stadium | 26. Ko Sari Oak Grove |
| 5. President Residence Hall | 16. Seidel-Swagerty Tennis Center | 27. Chapin Art Building |
| 6. Gold Star Memorial Residence Hall | 17. Wah Wahtaysee Park | 28. Walt Driggers Baseball Field |
| 7. Iris Graham Education Building | 18. Amy Graves Ryan Fine Arts Center | 29. Student Apartment Complex |
| 8. James Winford Hunt Memorial Residence Hall | 19. Sacred Wind Sculpture Garden | 30. Gypsy Ted Art Gallery |
| 9. Martin Residence Hall | 20. Furr Welcome Center | 31. Rigdon Edwards Soccer Field |
| 10. T.I.P. Anchor Garden | 21. Finch-Gray Science Center | 32. Bobby Carter Throws Complex |
| 11. Jay-Rollins Library | 22. J.W. Hunt Physical Education Center (Kimbrell arena) | P Parking |

**McMURRY UNIVERSITY ACADEMIC CALENDAR
2014 - 2015**

Fall 2014	August 25 - December 12	
Subterm 1	August 25 - October 15	
Subterm 2	October 16 - December 12	
August		
19	New Faculty Meeting	
20	Residence Halls Open for Freshmen	
20	Faculty Meeting	9:00 am
20-24	War Hawk Welcome Week	
21	Faculty Retreat	8:00 am - 5:00 pm
22	Academic Advising and late Registration	8:00 am - 5:00 pm
25	Classes Begin	8:00 am
29	Last Day to Add a Course for Subterm 1	5:00 pm
29	Last Day to Register or Add a Full Term Course	5:00 pm
September		
1	Graduation Application Deadline for May and August 2015 Graduates	
2	Fall Convocation	11:00 am
3	Official Enrollment Day	5:00 pm
12	Last Day to Drop a Course for Subterm 1 with a "W"	5:00 pm
October		
3	Last Day to Drop a Full Term Course With a "W"	5:00 pm
9-12	Homecoming (No Classes on Friday)	
8	Last Day to Drop a Course or Withdraw for Subterm 1	5:00 pm
8	Last Day to Submit Subterm 1 Administrative Drops	5:00 pm
15	Official End of Subterm 1	5:00 pm
16	First Day of Classes for Subterm 2	
20	Final Grades for Subterm 1 due in Registrar's Office	5:00 pm
20	Mid-Term Grades Due in Registrar's Office	5:00 pm
22	Last Day to Add a Course for Subterm 2	5:00 pm
November		
5	Last Day to Drop a Course for Subterm 2 with a "W"	
10	Registration For Spring Begins	5:00 pm
26-28	Thanksgiving Recess	
December		
1	Classes Resume after Thanksgiving Recess	
5	Last Day to Drop a Course or Withdraw From Subterm 2	5:00 pm
5	Last Day to Drop a Full Term Course	5:00 pm
5	Last Day to Withdraw From the University	5:00 pm
5	Last Day to Submit Administrative Drops	5:00 pm

McMURRY UNIVERSITY ACADEMIC CALENDAR 2014 - 2015

December		
8-12	Final Examinations	
12	Official End of the Fall Semester	
13	Commencement	10:00 am
15	Final Grades due in Registrar's Office	10:00 am
Spring 2015 January 12 - May 8		
Subterm 1	January 12 - March 6	
Subterm 2	March 16 - May 8	
January		
9	Academic Advising and Late Registration	8:00 - 5:00 pm
12	Classes Begin	8:00 am
16	Last Day to Register or Add a Course for Subterm 1	5:00 pm
16	Last Day to Register or Add a Full Term Course	5:00 pm
19	Martin Luther King Holiday	
22	Official Enrollment Day	5:00 pm
30	Last Day to Drop a Course for Subterm 1 with a "W"	5:00 pm
February		
1	Graduation Application Deadline for December 2015 Graduates	
20	Last Day to Drop a Full Term Course with a "W"	5:00 pm
27	Last Day to Drop a Course or Withdraw for Subterm 1	5:00 pm
27	Last Day to Submit Subterm 1 Administrative Drops	5:00 pm
March		
6	Official End of Subterm 1	5:00 pm
9-13	Spring Break	
10	Mid-Term Grades Due in Registrar's Office	5:00 pm
10	Final Grades for Subterm 1 due in Registrar's Office	5:00 pm
16	Classes Resume After Spring Break by	8:00 am
16	First Day of Class for Subterm 2	
20	Last Day to Add a Course for Subterm 2	
		5:00 pm
April		
3 & 6	Easter Holiday	
9	Last Day to Drop a Course for Subterm 2 with a "W"	5:00 pm
13	Registration for Summer and Fall begins	
May		
1	Last day to Drop a Course or Withdraw form Subterm 2	5:00 pm
1	Last Day to Drop a Full Term Course	5:00 pm
1	Last Day to Withdraw from the University	5:00 pm

McMURRY UNIVERSITY ACADEMIC CALENDAR 2014 - 2015

May		
1	Last Day to Submit Administrative Drops	5:00 pm
4-8	Final Exams	
8	Official End of Spring Semester	
9	Commencement	10:00 am
12	Final Grades Due in Registrar's Office	5:00 pm
Summer 2015	May 11 - August 7	
May Term	May 11 - May 29	
Summer I	June 1 - July 2	
Summer II	July 6 - August 7	
May		
11	May Term Classes Begin	
11	Last Day to Register or Add a Course	5:00 pm
12	Official Enrollment Day	5:00 pm
13	Last Day to Drop a Course with a "W"	5:00 pm
22	Last Day to Drop a Course or Withdraw from the University	5:00 pm
22	Last Day to Submit Administrative Drops	5:00 pm
25	Memorial Day Holiday	
29	Official End of May Term	
June		
1	Summer I Classes Begin	
2	May Term Grades due in Registrar's Office	5:00 pm
2	Last Day to Register or Add a Course	5:00 pm
3	Official Enrollment Day	5:00 pm
17	Last Day to Drop a Course with a "W"	5:00 pm
26	Last Day to Drop a Course or Withdraw from the University	5:00 pm
26	Last Day to Submit Administrative Drops	5:00 pm
July		
2	Official End of Summer I	
3	July 4 th Holiday	
6	Summer II Classes Begin	
7	Final Summer I Grades Due in Registrar's Office	5:00 pm
7	Last Day to Register or Add a Course	5:00 pm
8	Official Enrollment Day	5:00 pm
22	Last Day to Drop a Course with a "W"	5:00 pm
31	Last Day to Drop A Course or Withdraw from the University	5:00 pm
31	Last Day to Submit Administrative Drops	5:00 pm

**McMURRY UNIVERSITY ACADEMIC CALENDAR
2014 - 2015**

August		
7	Official End of Summer II	
11	Final Grades due in Registrar's Office	5:00 pm

FROM THE PRESIDENT

Welcome to McMurry University!

McMurry University is pleased to offer this catalog of programs. Collectively, these programs define the McMurry Experience, an experience marked by opportunities for student achievement in all aspects of our campus activities. This experience is guided by our five Core Values:

*Christian Faith as the foundation of life,
Personal Relationships as the catalyst for life,
Learning as the journey of life,
Excellence as the goal of life, and
Service as the measure of life.*

McMurry University is a student-centered institution that is relationship-based and is focused on learning and undergraduate research as well as scholarly and creative activity. We are an inclusive United Methodist institution emphasizing the opportunity for reflection and spiritual growth. McMurry is an academic community focused on service, community engagement, and student engagement which is informed by the principles of servant leadership. McMurry University is committed to manifest an approach to learning that empowers students and prepares them to deal with complexity, diversity, and change.

Sandra S. Harper, PhD
President

Paul Fabrizio, PhD
Vice President for Academic Affairs

GENERAL INFORMATION

Introduction to McMurry

Campus Life

Admission Procedures

Financial Information

Mission

INTRODUCTION TO McMURRY

MISSION OF MCMURRY UNIVERSITY

The mission of McMurry University is to provide a Christian liberal arts and professional education that prepares students for a fulfilling life of leadership and service.

The University fulfills this mission by fostering a campus culture that is distinctive in the following ways:

McMurry is shaped by the Christian faith.

As a United Methodist institution grounded in the Wesleyan traditions of intellectual achievement and vital piety, McMurry nurtures and cares for each student as a unique individual, helps students through the many challenges of higher education, and provide the resources necessary to help students grow as whole persons spiritually, emotionally, morally, intellectually, socially, and physically. Our pursuit of academic excellence is supported by our belief that truth, in a universe created by God, is nothing to fear. We honor the Creator when we use our minds for their intended purpose of learning in ways unhindered by prejudice or ignorance.

McMurry provides a liberal arts education to every student.

We believe that the liberal arts are the foundation of an examined, informed, and worthwhile life. Throughout the general education curriculum, all students engage questions of goodness, truth, and beauty as they have been interpreted by the leading lights of ancient and modern civilizations. Through the liberal arts, our students develop an abiding sense of personal integrity, an informed appreciation for the perspectives of others, and a clear vision of their moral and spiritual identity.

McMurry prepares students for a fulfilling life of leadership and service.

On the basis of our shared liberal arts background, McMurry students pursue studies that prepare them for a variety of worthwhile careers. McMurry's extracurricular activities, programs, and organizations give students practical experience in leadership and service. Whether entering professional life upon graduation or going on to graduate study, students leave our campus with a solid basis for a fulfilling life of leadership and service in their chosen professions and their civic and religious communities.

McMurry expects and enables excellence throughout the University community.

We believe that our distinctive campus culture will flourish only if all members of the McMurry community strive for excellence. We commit ourselves to high expectations for everyone at McMurry - students, faculty, administrators, trustees, and staff - and to provide the human and financial resources necessary for meeting those exacting standards. We aim to be a community in which students expand their intellectual and cultural horizons as they develop an enthusiasm for lifelong learning. We pledge to hold our students accountable to the highest possible standards of academic achievement and to provide excellent professors who will help them meet these expectations.

HISTORY.

McMurry College was voted into being at the annual session of the Northwest Texas Conference of the Methodist Church in October, 1920, at Clarendon, Texas. The College was established at Abilene upon an offer of inducements from the Chamber of Commerce and other benefactors. The construction of the first building, now the Old Main Building, was begun in the spring of 1922. By action of the same conference which established the school, Dr. J.W. Hunt was elected its first president. Under his direction the College opened its doors in September, 1923.

McMurry University is the legal and spiritual successor to four historic educational institutions of West Texas and New Mexico, namely, Stamford College, Clarendon College, Western College and Seth Ward College. McMurry is now the custodian of some records of these colleges and has incorporated their ex-students into the Alumni and Ex-Students Association of McMurry University. In 1947, the Dallas Institute of Vocal and

Dramatic Art was merged with McMurry College, contributing increased strength to the College's academic and fine arts facilities. By action of the McMurry College Board of Trustees in October 1989, McMurry College was renamed McMurry University effective with the beginning of the 1990 Fall Semester. This change was accompanied by the creation of a College of Arts and Sciences, School of Business, School of Education, and the Patty Hanks Shelton School of Nursing, as well as significant curricular innovations. McMurry University is recognized as an innovative, liberal arts university offering quality liberal arts, pre-professional, and professional undergraduate education to its students. Thousands of her alumni are serving with distinction in significant positions throughout America. In recent years McMurry has made a particularly enviable record in the sound preparation of young men and women for careers in business, science, education, and the Christian ministry.

CAMPUS BUILDINGS AND FACILITIES

ADMINISTRATION BUILDING. The C.E. Maedgen Administration Building, completed in 1962, houses the administrative offices of the University. This structure will remain as a lasting tribute to the late Mr. and Mrs. C.E. Maedgen of Lubbock, Texas.

BAND HALL. This two-story structure contains a large rehearsal room, offices, practice rooms, and storage rooms. The funds for its construction were provided through the generous gifts of foundations and alumni and friends of the McMurry Band Program. A total renovation was completed in 2008.

BOBBY LEE CARTER THROWS COMPLEX

Dedicated in April 2011, the Bobby Lee Carter Throws Complex, located just to the west of Wilford Moore Stadium, is one of the finest small college state-of-the-art throws facilities for the shot put, discus, hammer throw and javelin events. The facility has been enclosed by an eight-foot chain-link fence that surrounds the area. Carter was a 1952 graduate of McMurry University and Athletic Hall of Honor inductee in 1999 and was the primary donor for the throws facility.

CAMPUS CENTER. Completed in the fall of 1979, the Shirley L. and Mildred Garrison United Methodist Campus Center is a \$2 million structure located in the center of McMurry's campus. The campus center is a partially underground structure with grassy slopes rising around its walls. This structure is used for a wide variety of activities. Weekly campus worship services and special events are held in the Maybee Room, students' free time may be spent in the Sports Grille, and the faculty relaxes in the faculty lounge. In 2003, the Braniff Lounge became the Windjammers Lounge honoring a McMurry student band of the 1960s. The campus center was recently renovated to include new carpet in the Maybee Room and new furniture and carpeting in the Windjammer's Lounge. Other facilities located here are the college bookstore, student government, Campus Activities Board office, post office, and the Religious Life office.

NOEL R. and ANITA HENRY CHAPIN ART BUILDING. Constructed in 1999-2000. The Chapin Building provides instructional space for ceramics and for student and faculty studios.

CLASSROOM BUILDING. The Harold Groves Cooke Liberal Arts Building houses classrooms, faculty offices, and computer labs.

DINING HALL. The J.E. and L.E. Mabee Dining hall was completed in the summer of 1988 at an approximate cost of \$1,100,000. It covers approximately 13,900 square feet and is located adjacent to the northwest corner of the Campus Center. Food service is prepared to serve in excess of 2,000 meals per day. The dining hall has a maximum seating capacity for 500 persons.

EDUCATION BUILDING. The Iris Graham Education building, a renovation of the Iris Graham Memorial Dining Hall, was completed in 1989. It provides offices for the Department of Curriculum and Instruction faculty; three general purpose classrooms; two demonstration classrooms; and audio-visual, curriculum, and computer laboratories. A grant from the

Mayer Foundation of Plainview has allowed the purchase of “state-of-the-art” equipment for training future teachers.

FIELD HOUSE. The R. M. Medley Field House was completed in the summer of 1982 at an approximate cost of \$400,000. Located just to the south of the J.W. Hunt Physical Education Center, and adjacent to Wilford Moore Stadium, the Field House serves as the dressing facility for football. A fully-equipped weight training facility is housed in the Field House as well as a 3600 square foot carpeted workout area.

FURR WELCOME CENTER The Furr Welcome Center opened in September, 2007, and serves as a welcome center for future McMurry students and guests. It houses personnel from Alumni Relations and University Events and provides a meeting and gathering place for McMurry Alumni and friends as well as for outside groups. Its addition to the auditorium improves the accessibility and usability of Radford Memorial Auditorium. The building is adjacent to Radford with an entrance that faces southeast. Abilene architect Rick Weatherl designed the building to compliment Radford with the Welcome Center closely resembling the original sketches of the Radford Building that included two wings for additional space. The principal donors for the building were Doctors Bedford and Oneta Furr of Abilene, Texas.

FINE ARTS CENTER. The Amy Graves Ryan Fine Arts Center is a memorial to the late Mrs. Amy Graves Ryan given by the late Dr. Basil Ryan, her husband, who served as a trustee of the University. The Fine Arts Center houses the Departments of Art, Music, Communication, and Theatre. The Munger Sculpture Garden in the center outdoor area of the fine arts complex is a memorial to Mr. L.S. Munger. This was presented to the University by Dr. and Mrs. Edwin E. Middleton. Marsha Middleton contributed the abstract stone sculpture to the garden.

LIBRARY. The Jay-Rollins Library is one of the most striking buildings on the McMurry campus. With a capacity for 200,000 volumes, the Library has high-vaulted ceilings and lighting effects conducive to study and reading. Stainless steel, glass and masonry make this building a fitting memorial to Mr. and Mrs. S.M. Jay and to Mr. and Mrs. Nat G. Rollins, from whose estates it was largely financed.

OLD MAIN BUILDING. The Old Main Building is the former administrative building in which are located several classrooms, faculty offices, and administrative offices.

PHYSICAL EDUCATION CENTER. The J.W. Hunt Physical Education Center is the result of a generous anonymous gift and a \$500,000 Matching Fund Campaign and was completed at a cost of \$1.3 million. The Physical Education Center, located on the west side of the campus, features all modern health and physical education facilities. The main playing floor is used for men's and women's intercollegiate competition and for a variety of other activities when regularly scheduled programs permit. The gymnasium area, known as Kimbrell Arena, can seat over 2,100 for competitive sports events. Also included are individual offices for athletic and kinesiology staff members, Wellness Center, one classroom and the Human Performance Lab.

RADFORD AUDITORIUM. Located on the northeast corner of the campus, Radford Memorial Auditorium further enhances the dignity and beauty of McMurry University. The building is a gift from Mrs. J.M. Radford, philanthropist and prominent McMurry benefactress. Standing as a beacon to Christian higher education, the tower of this building, which rises to a height of over one hundred feet, may be seen from a distance of over twenty miles. Modern Gothic in architectural style, the heart of this building is its spacious auditorium and sanctuary, which seats twelve hundred people. Admissions, Advancement and Marketing offices are located in Radford.

PHILLIPS FAMILY STUDENT ACTIVITIES CENTER. The Phillips' Family Student Activities Center is attached to the J.W. Hunt Physical Education Center on the south side and extends to the Field house. The complex includes an indoor swimming pool with a handicap lift, recreation gymnasium, student lounge area, and dressing facilities. The swimming pool includes a diving pool area with 1 meter and 3 meter diving boards and 6 lanes on a NCAA 25 yard course. It is used for competition and

instruction in physical education, and recreation for students, faculty, staff, and alumni. The gymnasium includes basketball, volleyball, badminton and racquetball courts.

SCIENCE. The Finch-Gray Science Center provides laboratory, classroom, and office space for the Departments of Biology, Chemistry, and Physics. This building will remain as a lasting tribute to Mr. and Mrs. O.H. Finch, Sr. and the late Mrs. Rebecca Estes Gray.

WILFORD MOORE STADIUM. The university stadium contains a standard track and athletic field. It is used for all McMurry home football games and track meets.

RESIDENCE HALLS

Living on campus provides many opportunities to discover and develop one's talents. In addition, students tend to become better assimilated into McMurry's culture and develop rapid friendships and support networks by living on campus. Students live together in learning and living communities where they receive support from trained resident assistants and peer leaders. The experience of living on campus is the foundation to life beyond McMurry. Due to the advantages of residing on campus, McMurry requires that all students who are single, under the age of 21, have earned less than 60 McMurry credit hours, or who do not reside with a parent or legal guardian within 30 miles of McMurry live on campus. Anyone wishing to reside off campus must get approval through application to the Residence Life office.

All students in the residence halls are required to purchase a meal plan. All residents are responsible for following the guidelines set by McMurry University concerning housing, as well as all policies and regulations listed in the Student Handbook, in the housing agreement, and The Residence Life Guidebook.

There are 5 residential centers located on the McMurry campus:

- Gold Star Residence Hall - The Gold Star Memorial Residence Hall opened in 1948. This hall houses men and women and is a memorial to the Methodist men and women of the Northwest Texas and New Mexico conferences who gave their lives in World War II. The hall is arranged by suites with shared bath facilities.
- Hunt Residence Hall - James Winford Hunt Memorial Residence Hall houses only men. The rooms are arranged in suites with shared bath facilities. This residence hall was newly renovated and ready for occupancy in Fall 2005.
- Martin Residence Hall - William C. Martin Residence Hall houses only women in rooms that are arranged by suites with shared bath facilities. This residence hall was newly renovated and ready for occupancy in Fall 2005.
- President Residence Hall - President Residence Hall was the first hall on campus. President houses men only. Each room has different dimensions and shares one of two centralized bath facilities on each floor.
- Apartments - Students who have completed 30 or more hours have the option of living in the McMurry apartment community conveniently located on campus. The apartments are furnished, have complete kitchens, open living area with a separate bedroom for each resident. A common area open to all apartment residents for studying and relaxing is available with attached laundry facilities. Residents living in the apartments are not required to purchase a meal plan, but have the option if they so desire.

ACADEMIC ENRICHMENT CENTER

The Academic Enrichment Center (AEC), located in the Jay Rollins Library, is an integral part of the academic services of McMurry University. The AEC serves the university by providing academic support and instructional resources for students, staff, and faculty in a comprehensive learning environment. Resources include a scanner, color printer, fax machine, and access to academic software programs. Services provided include professional tutoring, peer tutoring, computer tutorials, access to academic software programs, and internet access. Other services provided include

Buildings & Facilities

academic counseling and study skills development. The primary function of the AEC is to provide vital academic support services to all McMurry students through programs designed to help underprepared students prepare, prepared students advance, and advanced students excel. Through the tools and services it provides, the AEC helps enable students from all economic and educational backgrounds to pursue academic excellence.

The Director of Academic Enrichment and Developmental Education is assisted by four professional tutors and one professional staff member. Peer tutors are also available to assist students in various subject areas. During the fall and spring semesters, the AEC is normally open during the following hours:

Monday - Thursday: and	8:00 a.m. - 5:00 p.m. 6:00 p.m. - 10:00 p.m.
Friday:	8:00 a.m. - 5:00 p.m.
Sunday:	6:00 p.m. - 10:00 p.m.

LIBRARY FACILITIES

The Jay-Rollins Library and its Learning Commons serve the students, faculty, and staff of the University and the Abilene Community as a member of the Abilene Library Consortium. The library contains over 156,550 volumes as well as a growing collection of digital and print resources, including databases, online books, journals, and media. In addition, patrons have access to the library collections at Abilene Christian University, Hardin-Simmons University, Howard Payne University, and the Abilene Public Library through the Consortium's online catalog. Together the libraries collections total more than 2 million items. These resources can be accessed at the library's home page.

<http://www.mcm.edu/newsite/web/library/>

With our discovery tool Multi-Search, patrons can search the catalog, databases and online books & e-journals at the same time. Off-Campus access to databases is available with a McMurry network login and password.

The Learning Commons encompasses a student computing area, a Periodicals reading area, the Academic Enrichment Center (AEC), MOVE Tablet Computing office, and a Communication Production Studio. The Library's media collection of DVD's, VHS and music CD's, digital cameras and digital video cameras is located in L116 behind the Circulation Desk. For classroom technology issues call the helpdesk at extension 4900.

The Library has WiFi access throughout the building and a Java City coffee shop in the lobby. Two classrooms, the Wylie Seminar Room (WSR) and Library 201, are located on the 2nd floor.

Sunday:	2:00 p.m. - 10:00 p.m.
Monday - Thursday:	7:30 a.m. - 10:00 p.m.
Friday:	7:30 a.m. - 5:00 p.m.

Three professional librarians assisted by two full time personnel, one part time staffer and student assistants are on duty 75.5 hours a week during the fall and spring semesters.

The University Archives and three special collections are housed in the Library: the J.W. Hunt Library of Texana and the Southwest, the E. L. and A. W. Yeats Collection, and the Grady McWhiney Collection in Celtic, Southern and Civil War History. The library is an active participant in OCLC Inc., and is a member of the AMIGOS Bibliographic Council, the Llano Estacado Information Access Network (LEIAN), and the Texas Council of Independent College and University Libraries (TICUL).

COMPUTER RESOURCES

Computer resources are well integrated into McMurry's curriculum. Through a program, known as MOVE (Mobile Online Visionary Education) the University supplies students with the use of a computer during their undergraduate education. Every residence hall is wired into the computer network with a port for each student providing Internet and e-mail service. All classrooms, residence halls, and most of the remaining campus also have wireless access. There are currently 2 multipurpose computer laboratories with computer hardware, software, and other learning resources. The availability and use of this technology is supported

by McMurry's faculty and administration. The application of electronic databases, analytical tools, presentation software, multimedia software, and Internet based course management systems is woven into the fabric of the educational process at McMurry. Hardware and software standards have been adopted. All departments require some utilization of PC's and standard office productivity software is used across the disciplines. McMurry is committed to providing academic experiences that prepare all students, regardless of their majors, for entry into an increasingly sophisticated and complex technological world.

MUSIC FACILITIES

The Department of Music has practice facilities located in both the Ryan Fine Arts Building and the Bynum Band Hall. Concert facilities include a one hundred sixty - seat recital hall and the twelve-hundred seat Radford Memorial Auditorium. A variety of pianos and practice organs for student use are available. A thirty-five bell Fritsen carillon is located in Radford Memorial Tower. Performance instruments are available in the Recital Hall and Radford Auditorium for concert and community use

KINESIOLOGY AND WELLNESS FACILITIES

Long noted for its strong program for the preparation of physical education teachers and coaches, McMurry takes pride in its facilities for physical education, recreation, and athletics. The Hunt Center for Physical Education includes classrooms and facilities for instructional and fitness-related activities. The center houses a rehabilitation/treatment area, wet room with access to ice, and a taping room. The Wellness Center is housed on the second floor of the Hunt P.E. Center and contains a complete fitness center with weight and cardiovascular machines, free weights, and testing equipment. Although the Wellness Center is located in the Hunt P.E. Center, it is not confined to this area. The Center also offers campus-wide and community programs in the six areas of wellness: physical, spiritual, occupational, social, emotional, and intellectual.

SCIENCE FACILITIES

Biology

The Department of Biology laboratories are well equipped for teaching classical and modern biology. There are teaching labs dedicated to field biology, molecular biology, microbiology, and anatomical dissection, as well as general purpose labs useful for a variety of courses. Standard equipment such as waterbaths, incubators, electrophoresis setups, and microscopes are augmented by equipment for molecular biology and GPS-based field work. In addition to a vast collection of microscope slides, anatomical models, skeletons, and digital resources for students, teaching labs are equipped with computer-interfaced equipment for studying physiology and video-interfaced microscopes. Anatomy and physiology labs are supported by dissection and teaching collections of mammals, birds, and insects; plant studies are supported by a herbarium of plants of the Southwest and live specimens cultivated in the department's greenhouse. Students are encouraged to join faculty in research, and additional equipment is dedicated for that purpose. Growth chambers, a research-grade microscope, PCR thermocyclers, a Li-COR DNA sequencer, and centrifugation equipment teaching and research studies of organisms, cells, and molecules. A recent \$1.7M renovation of the biology space supports the innovative approaches used in the Biomedical Science program makes these facilities the jewel of the campus.

Chemistry and Biochemistry

The Department of Chemistry and Biochemistry laboratories are equipped to provide students with hands-on experience in general, organic, analytical, inorganic, physical, and biochemistry courses. A computer laboratory is available for student access to specialized chemistry software for teaching and research. Faculty research labs support work with students on research projects funded by a Welch Foundation departmental grant. In addition to standard equipment such as analytical balances, refractometers, polarimeters, potentiometers, and various types of spectrophotometers, major instrumentation is available to support teaching and research such as a High Performance Liquid Chromatograph (HPLC), cyclograph, electroanalytical equipment, and a research-grade microwave synthesizer. Other major instruments include a Fourier transform infrared spectrometer (FTIR), gas chromatographs, a spectrofluorometer, a research-grade UV-Vis spectrophotometer, and a Nuclear Magnetic Resonance (NMR) spectrometer.

Physics

The Department of Physics laboratories are well equipped for teaching and undergraduate research. Recently renovated spaces allow for innovative teaching approaches with active use of modern instructional technology. Equipment includes lasers, Geiger and scintillation counters and scales, modern PASCO data collecting systems, LabVIEW programming language operated ELVIS data acquisition card, Michelson interferometers, grating and prism spectrometers, oscilloscopes, and an ample stock of meters and laboratory standards. A collection of telescopes is also available for student instruction. Additionally, the Physics Department is a member of the National Undergraduate Research Observatory and thus faculty and students have access to a 31" telescope at Lowell Observatory in Flagstaff, Arizona.

CAMPUS LIFE

Student Association

The Student Association is the most inclusive of the McMurry student organizations. Composed of all full-time students of the University, this organization exists primarily to promote the democratic expression and exercise of student opinion, and to represent, serve, and assist students in matters relating to student social life, activities, and elections. The leadership of the Student Association is the McMurry Student Government which is divided into executive, judicial, and legislative branches, the last of which is composed of the Senate. All officers of the Student Association are elected by the student body or appointed by the Executive Council.

Athletics

McMurry University fields teams that participate in nineteen intercollegiate sports. Men are provided opportunities in baseball, basketball, cross country, football, golf, soccer, swimming, tennis, track and field (indoor), and track and field (outdoor). Women are provided opportunities in basketball, cross country, golf, soccer, swimming, tennis, track and field (indoor), track and field (outdoor), and volleyball. The University aims to foster physical development of students and to cultivate a spirit of equality, cooperation, and clean sportsmanship through its intercollegiate athletic programs, both intercollegiate and intramural.

Philosophy and Purpose of Intercollegiate Athletics

The purpose of athletics at McMurry University is to provide an opportunity for students to compete in intercollegiate sports in an educationally sound, Christian environment. The athletics program is administered in such a way that athletics remains in keeping with the University's liberal arts tradition. Athletics should be a part of the total educational process and there is a broad base of opportunity for participation. The program creates a rallying point for students, faculty, and alumni while still enhancing educational values. It is understood that while striving to be competitive, institutional integrity will never be sacrificed.

There should be an equal opportunity for men and women with an emphasis on participation for the enjoyment and love of the sport.

Athletics at McMurry University exists within the educational mainstream of the University and is administered with the same controls, budgetary procedures, and program responsibility as any other academic or administrative function.

MUSIC ORGANIZATIONS

McMURRY MARCHING BAND: The McMurry Marching Band consists of students from all areas of study, including music majors and non-majors. The Marching Band presents half-time shows at football games and parades during the Fall semester, and becomes the Symphonic Band in the Spring semester, during which it appears in concert at schools, churches and community events. The Marching Band meets daily and membership is open to any student with prior high school or college instrumental experience. Participation is required for all music majors and those on departmental merit scholarships.

CHANTERS: This group is the premiere touring choir of McMurry University. Membership is through competitive audition and offers students an opportunity to experience a challenging ensemble with a rich choral tradition. Chanters serves as ambassadors of McMurry University, and

tour each semester, performing at churches, schools and conventions. National or international travel is planned on a rotational basis opposite regional tours around Texas and contiguous states. While Chanters sing primarily a cappella music, they are also called upon to perform a wide range of musical genre including choral/orchestral works. Our goal is to educate students, and touch and change lives through our music.

McM SOUNDS: A small, select choral ensemble, Sounds performs a wide variety of a cappella literature which demands excellent musicianship. Typically the group presents signature selections by some of the world's leading jazz arrangers. Sounds works to develop choral blend, musical accuracy and artistic interpretation for a variety of musical styles, and often performs without a conductor. McMurry Sounds typically tours with Chanters and performs for numerous university and civic events. Students are eligible for this group if they are a current member of Chanters and are selected through a competitive audition at the beginning of the fall semester. Our goal is to build individual musicianship and artistry in the advanced singer.

SYMPHONIC BAND: The Symphonic Band is the entry band for the University, and is the Spring counterpart to the fall's Marching Band. This larger ensemble performs a couple of times during the semester, and often serves as the training band for music majors who are learning a secondary instrument. As a concert ensemble, Symphonic Band plays a wide range of band literature, and presents not only classic literature for band, but also

WIND ENSEMBLE: The Wind Ensemble is the top band at McMurry University. Well known for its remarkable presence and dynamic range, this favored group has traveled the globe on invitation to attend conferences and present unique music. This storied ensemble has had a long legacy of excellence of presentation in instrumental circles, and many notable band directors have come from their midst. Membership to the Wind Ensemble is by competitive audition, and participants are expected to tour with the ensemble each year.

PUBLICATIONS

THE GALLEON: The University literary magazine, The Galleon, publishes the best essays, poetry, short stories, and other literary efforts of the greater McMurry community. Students, alumni, and faculty interested in creative writing and visual arts are invited to contribute to this annual magazine edited by students and published under the auspices of the Department of English.

TALON: The University yearbook, Talon, is published in the fall. It presents a record of student and campus life during the previous academic year. The Talon is published by the Office of University Relations.

THE WAR HAWK HERALD : The official newspaper for the greater McMurry community, the War Hawk Herald is published biweekly by students under the auspices of the Office of University Relations. Reporting on current campus events, the War Hawk Herald is devoted largely to the interests of the student body. The War Hawk Herald Editorial Advisory Board, consisting of students, faculty, and administrators, works together with student editors and writers to determine editorial policy and content. The War Hawk Herald is not published during recesses or summer sessions.

NATIONAL HONOR SOCIETIES

ALPHA CHI: The James Winford Hunt chapter of Alpha Chi, a national scholarship society, was organized in 1926. Eligibility is based upon character and scholarship. Members are elected from the top ten percent of the junior and senior classes. Its purpose is to encourage sound scholarship and devotion to the truth.

ALPHA KAPPA DELTA: The Phi chapter of Alpha Kappa Delta, an international sociology honor society, was chartered at McMurry in 1990. The purpose of Alpha Kappa Delta is to promote an interest in the study of sociology and the research of social problems.

ALPHA LAMBDA DELTA: A national honor society for freshmen with a GPA of at least 3.5. McMurry's chapter was installed in 2001.

Campus Life

BETA BETA BETA: The Pi Beta Chapter of Beta Beta Beta was installed in 1979. Its purposes are to promote scholarship, dissemination of scientific knowledge and biological research.

KAPPA DELTA PI: On May 18, 1951, the Eta Epsilon chapter of the national honor society in education, Kappa Delta Pi, was chartered at McMurry University. The purpose of Kappa Delta Pi is to encourage high professional, intellectual, and personal standards and to recognize outstanding contributions to education. As an international organization, it has among its members the outstanding educators of the world.

KAPPA MU EPSILON: In the spring of 1987 the Texas Iota chapter of this honorary mathematics fraternity was formed on the McMurry campus. The purpose of Kappa Mu Epsilon is to promote and encourage mathematical activity.

KAPPA PI: In the spring of 1969, Epsilon Theta chapter of Kappa Pi, an international honorary art fraternity, was organized on the McMurry campus. The purpose of Kappa Pi is to encourage creativity, expand the student's knowledge in the visual arts mount exhibitions and sales of art work, and provide scholarship opportunities.

PHI ALPHA THETA: Chartered in 1971, Phi Alpha Theta is an international honor society for history; membership is open to students who meet the academic requirements and have completed twelve hours of history. Sigma Beta chapter seeks to promote excellence in the study and writing of history and provides opportunities for students and professional historians to share ideas.

PHI EPSILON KAPPA: In the fall of the academic year, the department of Kinesiology at McMurry University actively encourages its majors and minors to be members of the Klub (spelled with a K for Kinesiology). In the spring semester, the sponsors review the grades and the service credits of the Klub members. Only those who have attained highest standards are inducted into Phi Epsilon Kappa, the national departmental fraternity.

PI KAPPA DELTA: The Texas Gamma chapter of Pi Kappa Delta, a national forensics fraternity, was organized in 1967. This national organization was founded in 1912 to promote scholarship, intellectual and personal development, and to recognize outstanding contribution in the field of public speaking.

PSI CHI: The McMurry University chapter of Psi Chi was chartered in April 1999. Psi Chi is the National Honor Society in Psychology, founded in 1929 for the purpose of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who are making the study of psychology one of their major interests and who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies (ACHS) and is an affiliate of the American Psychological Association (APA) and the American Psychological Society (APS).

SIGMA DELTA PI: The Lambda Epsilon Chapter at McMurry University was chartered in April, 1975. Sigma Delta Pi is a society to honor students who seek and attain excellence in the study of the Spanish language and the literature and culture of Spanish speaking peoples.

SIGMA PI SIGMA: The McMurry Chapter of Sigma Pi Sigma, physics honor society, was chartered in 1962. The objective of the Society is to recognize the attainment of high scholarship and potential achievement in physics. Membership is open to juniors and seniors who have attained high scholarship in physics and other subjects and who give evidence of professional merit, proficiency, or distinction. The Society is a member of the Association of College Honor Societies and is an affiliated society of the American Association for the Advancement of Science. Sigma Pi Sigma is an integral part of the Society of Physics Students operating within the Education Division of the American Institute of Physics.

SIGMA TAU DELTA: In 1951 the Phi Epsilon chapter of the national honorary and professional society of Sigma Tau Delta was chartered on the campus of McMurry University. Membership in the society is open to students who meet the academic standards and who are interested in the study of English and in writing and publishing.

PROFESSIONAL ORGANIZATIONS

AMERICAN CHEMICAL SOCIETY: The McMurry Student Affiliate Chapter received its charter early in 1964. All students interested in chemistry as a profession are eligible for membership in this organization after satisfactory completion of the first semester of general chemistry. The purpose of the organization is to stimulate a professional interest in chemistry, to keep students abreast of recent developments in the chemical field, to provide a forum for discussion of chemical topics, to promote scholarship, and to encourage fellowship among those interested in chemistry.

ASSOCIATION OF TEXAS PROFESSIONAL EDUCATORS: ATPE is a professional organization that is available for all pre-service educators that attend McMurry University. The McMurry Chapter of ATPE is affiliated with the Texas ATPE. Activities include meetings, fund-raising, and trips to the state convention in Austin, Texas. Programs include guest speakers, professional development and other educational topics. ATPE is open to all education majors.

ASSOCIATION OF INFORMATION TECHNOLOGY PROFESSIONALS: AITP is a professional organization whose mission is to serve "members by delivering relevant technology and leadership education, research and information on current business and technology issues, and forums for networking and collaboration." (AITP Mission Statement 2008) Student membership is open to all students interested in computing and information technology. Activities of the McMurry AITP Student Chapter include regular chapter meetings, fund raisers, special programs like relevant guest speakers, student programming and technology contests, participation in service projects, and trips to regional and national conferences. The McMurry AITP Student Chapter is sponsored by the Dallas (professional) Chapter.

KAPPA DELTA SIGMA: Is an organization for students who intend to pursue some form of ministry. This group meets twice a month for the following purposes: 1) to provide fellowship for those interested in ministry; 2) to study various forms of the Christian ministry; 3) to serve others on-campus and off-campus.

KINESIOLOGY KLUB: The McMurry Kinesiology Klub is open to all interested students. Activities include programs with guest professionals, field trips to professional meetings and workshops, and fund-raising activities. Qualifying Kinesiology club members are inducted each spring into the national fraternity, Phi Epsilon Kappa.

McMURRY MATHEMATICS CLUB: The McMurry Mathematics Club was organized in the fall of 1971 by students with an interest in mathematics. The purpose of the club is to provide mathematical activities that go beyond the usual, promote interest in mathematics, and to encourage fellowship among those with an interest in mathematics.

MODEL UNITED NATIONS CLUB: Model United Nations at McMurry is an inter-disciplinary organization that provides students with opportunities to travel and to engage in interactive simulations focusing on thematic global issues, such as promoting religious freedom, human rights, nuclear non-proliferation, etc. Model UN at McMurry is open to all majors with an interest in understanding how issues impact countries differently, and how countries derive different responses to those issues.

PSYCHOLOGY CLUB: The McMurry Psychology Club "TRI-PSY" was organized to promote interest in psychology, to provide psychological activities beyond the usual classroom situations, to enhance contacts between students and local mental health professionals, and to encourage fellowship among psychology students. It is open to all students with an interest in the science and practice of psychology.

SHAREHOLDERS BUSINESS CLUB: The purpose of the Shareholders Business Club is to promote interest in Business among the students of McMurry University. Membership is open to any student in the School of Business at McMurry, as well as any other student with an interest in Business.

SOCIETY OF PHYSICS STUDENTS: The McMurry Chapter of Physics Students is a charter chapter of the Society which was founded on April 22, 1968. The purpose of the Society is to promote educational activities for all students interested in physics and to encourage and assist students to develop the knowledge, competence, enthusiasm, and social responsibility that are essential to the advancement of physics. Membership is open to all students interested in physics.

SOCIOLOGY CLUB: The McMurry Sociology Club was organized in the fall of 1982 to promote the study of social life, to enhance the relationship between sociology students and the human services agencies of our society, and to encourage fellowship among sociology students. Membership is open to students who are majoring or minoring in sociology.

SPECIAL INTEREST GROUPS

FELLOWSHIP OF CHRISTIAN ATHLETES: This local chapter of the national organization is open to all interested students. FCA is a group which has the purpose to confront athletes, coaches, and young people with the challenge and adventure of following Christ through the fellowship of the church and their chosen vocation.

MCMURRY STUDENT FOUNDATION (MSF): The McMurry Student Foundation, formerly known as the Student Ambassador Board, was established in 1992. The purpose of this organization is to facilitate relationships between Methodist churches and McMurry University and to act as a liaison between McMurry students, special guests and the alumni association. The members of the MSF strive to instill a spirit of philanthropy in fellow students and alumni, which will create the desire to increase the wellbeing of McMurry through charitable giving. Our goals are threefold; to increase fundraising to the university, increase awareness among the student population about philanthropy, and create awareness among the student population about what it means to be an engaged alumnus. The McMurry Student Foundation plays a vital role in "Cultivating Leadership, Excellence and Virtue... Every Student, Every Day" which is the vision of McMurry University.

SERVANT LEADERSHIP

The Servant Leadership Center of the Southwest strives to help students become effective servants and leaders. Through curricular and extracurricular efforts, the Servant Leadership Center affirms that the most effective leaders are, first, motivated to serve. In addition to six academic courses in servant leadership, a minor, and a BIS field of study, the Center oversees the Resident Servant Leader Learning Community, service learning opportunities, and a variety of service events. Rather than offering a "program" as such, the Servant Leadership Center seeks to be a presence on campus that inspires and celebrates servant leadership wherever it may be found, whether these instances of servant leadership are part of a specific program or spontaneous acts that empower others to grow and serve.

SERVICE CLUBS

ALPHA PHI OMEGA: Organized in 1964, the Omicron Delta Chapter of this national service fraternity was founded for the primary purpose of service to the University in all areas of civic life. New members are added each year. The prospective members serve a period of pledging during which time they are required to participate in various service projects.

SOCIAL CLUBS

There are eleven social clubs on the McMurry campus. They are founded upon democratic principles and are dedicated to the promotion of wholesome social activities. The student social organizations and Interclub Councils are all under faculty/staff sponsorship.

Clubs for Women:

Alpha Psi Alpha
Delta Beta Epsilon
Gamma Sigma
Pi Delta Phi
Theta Chi Lambda
T.I.P.

Clubs for Men:

HEI
KIVA
Ko Sari
Makona
XO

CAMPUS ACTIVITIES BOARD (CAB)

The Campus Activities Board (CAB) is a student run organization which serves the McMurry Student Body through planning and sponsoring a variety of programs on campus. The mission is two-fold: educate and entertain the student body with engaging programs and to provide leadership training for CAB members. CAB values creativity, integrity, passion, diligence and service. Through membership and service to the university, CAB increases retention at McMurry.

ALUMNI ASSOCIATION

The Alumni Association is a representative body of McMurry alumni whose primary focus centers on honoring, preserving, and celebrating university traditions, instilling a strong sense of connectedness and pride, and creating a culture of stewardship for McMurry University. The Association provides editorial input for the alumni publication, the Messenger, and coordinates homecoming events such as class and special emphasis group reunions. In addition to homecoming, the Association hosts numerous alumni and Young Alumni events throughout the year. Outstanding alumni leadership is recognized by the selection and presentation of the Distinguished Alumni and the Cross and Flame Awards. The Cross and Flame is awarded annually to an individual in the Northwest Texas and New Mexico Annual Conferences and to one at-large recipient from other Annual Conferences of the United Methodist Church. The Alumni Association's board of directors is comprised of twenty-one members who serve as a liaison between the alumni and the university and represents alumni interests and contributions as vital components in the success and fulfillment of McMurry University's core values.

MCMURRY RELIGIOUS LIFE

Religious Life Office - Garrison Campus Center Room 107. Sharing in Methodism's concern that "knowledge and vital piety" might be creatively united, McMurry University includes in its overall mission a concern for the spiritual dimension of life. The University Chaplain serves as an advisor, mentor, and companion on the journey to provide leadership and direction with students, faculty, staff, and administrators who desire to search and build their spiritual depth and well-being. Students are encouraged to take an active part in the religious activities on campus. Opportunities are available for students to attend and lead in a variety of worship settings; participate in fellowship, study, and accountability groups; explore vocations in the Church; and grow in wisdom and maturity in their faith journey.

COUNSELING SERVICES

Counseling Services is devoted to helping students who need assistance in coping with personal problems. These include but are not limited to depression, anxiety, issues of abuse or trauma, family of origin issues, self-esteem, relationship issues, substance abuse, eating problems, and grief. All on-campus counseling services are free and confidential to McMurry students.

CAREER SERVICES

McMurry University Career Services provides a variety of career opportunities that can assist students and alumni in making wise career decisions. Opportunities provided are:

- **Career Counseling/Testing** – Help with decisions concerning majors, careers, and career-related issues. Learn about yourself and what careers/majors would be a good fit for you.
- **Workshops/Resources** – Assistance in creating resumes, job search strategies, interview skills, networking, and job fair skills.
- **Employment Services** – Online Job postings are provided for on-campus work study jobs and also for off campus part-time and full-time jobs as well as internships. Resume and cover letter critique is available. Opportunities for on-campus recruiting and on-campus interviews are offered.
- **Special Programs** – Recruiters from across the state come to the Collegiate Career and Internship Fair, Tri-University Teacher Job Fair and the Graduate and Professional School Fair to recruit our students and alumni. Senior programming brings together many resources for seniors to gain information concerning graduation and life afterward. The Senior Etiquette Dinner offers an informational dining experience on proper etiquette.

Privacy of Student Records

HEALTH SERVICES

The Health Services Office is open Monday - Friday 8:00am - 5:00pm. Health services are provided by a registered nurse for assessments of illness and injuries with referrals to a physician if necessary. Information on health questions and resources are available. Most services are free of charge. A nominal fee is required for flu vaccinations due at the time of service. All students are required to supply a Medical History Form, proof of immunizations and health insurance. Student health insurance information is available through the Student Affairs Office and Health Services Office.

Bacterial Meningitis

Updated October 2013

In accordance with Texas Senate Bill 62, all first-time students under 22 years of age, including transfer students, dual credit students attending classes on McMurry's campus, and any student who previously attended McMurry University before January 1, 2012 and is seeking to be readmitted, must present a certificate to the institution demonstrating they have been vaccinated against bacterial meningitis within the past 5 years. In addition, students must have received the vaccination at least 10 days prior to attending class. Students will not be permitted to register for classes until proof of vaccination is on file in the Health Services Office.

Insurance

Athletes: McMurry University policy requires that all student athletes have health insurance. Athletes are automatically signed up for health insurance on a **hard - waiver** plan. If they have their own insurance, they may opt out of purchasing the plan offered. All athletes that do not want to purchase health insurance must follow 2 steps:

- (1) Provide proof of coverage by submitting a copy of the front and back of the insurance card to Health Services.
- (2) Go online and waive off the insurance plan.

If Athletes do not have insurance, they will be signed up on the Academic Health Care Plan.

International students: All international students are required to purchase the McMurry Health Insurance through Academic Health Plans. Students from North America (Canada or Mexico) may apply for an exemption if they can provide documentation that their personal insurance provides all of the following:

- Minimum of \$90,000 coverage for injury and illness
- Repatriation/evacuation
- If a student athlete - coverage must include intercollegiate sport injuries, with a minimum of \$90,000 per incident meeting the requirement for the NCAA Catastrophic Program.
- Must make arrangements to opt-out in person in the Health Services.

THE OFFICE OF ACCESSIBILITY AND ACCOMODATIONS

The purpose of The Office of Accessibility and Accomodations is to enable students with disabilities to participate in the full range of college experiences; to promote an environment that is barrier-free, and to actively address and promote disability awareness within the campus community through programs and services designed to meet the academic and professional needs of the individuals with disabilities. Qualified students with a disability shall, by reason of such disability, not be excluded from participation in or be denied the benefits of reasonable University services, programs, or activities or be subjected to discrimination of any kind. To be eligible for services, the student with a disability must provide The Office of Accessibility and Accomodations current documentation that describes the specific disability prior to or at the beginning of the semester. The documentation must be from a licensed or certified professional in the area of the disability (i.e. psychologist, physician or educational diagnostician). Students with disabilities must contact The Office of Accessibility and Accomodations to discuss academic needs before the beginning of their first semester or as soon as they are diagnosed with a disability. Once documentation is on file, reasonable accommodations may be made. To obtain additional information or specific guidelines on particular services students should contact The Office of Accessibility and Accommodations.

CONFERENCE AND ENRICHMENT SERVICES

McMurry University's Conference and Enrichment Services office coordinates a variety of activities on the campus with special emphasis on summer youth camps, community outreach, church activities, off campus organization meetings and conferences and workshops. These programs represent an opportunity to bring prospective students onto the McMurry University campus and to serve the Abilene community with year-round enrichment experiences.

STUDENT CONDUCT

Consistent with the United Methodist Church philosophy and principles, McMurry University is strongly committed to the development of the student and promotion of personal integrity and self-responsibility. Students enrolling at McMurry become citizens of the community and are entitled to enjoy the privileges and assume the responsible obligations associated with this affiliation. Since the rights of all students are protected, and an atmosphere conducive to intellectual and religious development, personal growth, and community association are to be promoted, standards and guidelines on student behavior are necessary. The Student Code of Conduct is intended to outline certain responsibilities and expectations of McMurry students and assist the students to understand their role in the academic community.

A student who enrolls at McMurry University is expected to conduct himself/herself in a manner compatible with the University's function as an educational, Methodist-affiliated institution; to adhere to University policies; to show respect for properly constituted authority; and to observe correct standards of conduct. It is the student's responsibility to be knowledgeable about all University student conduct policies. Any student who engages in conduct that is prohibited by the University is subject to judicial action whether such conduct takes place on or off the campus or whether civil or criminal penalties are also imposed for such conduct. Furthermore, a student is subject to judicial action for prohibited conduct that occurs while participating in off-campus activities sponsored by the University, or University organizations, including, but not limited to: field trips, internships, socials, training exercises, pledging, rotations or clinical assignments. Violations of the McMurry Student Code of Conduct are referred and adjudicated through the Student Affairs office under the general direction of the Dean of Student Affairs. The Student Code of Conduct is available for review in the Student Handbook.

PRIVACY OF STUDENT EDUCATION RECORDS

Family Educational Rights and Privacy Act (FERPA) Annual Notice to Students

McMurry University annually informs students of the Family Educational Rights and Privacy Act of 1974, as amended. This Act protects the privacy of education records, establishes the right of students to inspect and review their education records, and provides guidelines for the correction of inaccurate or misleading data. Students also have the right to file complaints with the FERPA office concerning alleged failures by the institution to comply with the Act.

Disclosure of Student Records

In general, personally identifiable information from a student's education records will not be disclosed without written consent from the student. This includes, but is not limited to, grades, academic schedule information, and transcripts. The Act does allow some exceptions in which a student's education records can or must be released which include notification in cases involving certain types of disciplinary proceedings or subpoenas. In addition, two other exceptions may be made by the university: (1) directory information, as listed below, may be released unless the student requests that it be withheld and the proper paperwork is on file in the Registrar's office; (2) student records may be released to the parents of dependent students as defined by Internal Revenue Code 1986, Section 152.

Directory Information

McMurry University designates the following as public or Directory Information. As such, it may be disclosed by the university for any purpose at its discretion.

- Name
- Date and place of birth
- Hometown
- Local and permanent address/telephone numbers
- Directory phone
- Student's McM email address
- Major and minor fields of study
- Anticipated degree
- Dates of attendance
- Degrees and awards received
- Classification
- Anticipated graduation dates
- Student enrollment status (full-time/part-time)
- Currently enrolled or not
- Participation in officially recognized activities and sports
- Weight and height of members of athletic teams
- All previous educational agencies or institutions attended
- Photographs

Currently enrolled students may withhold disclosure of Directory Information under the Family Educational Rights and Privacy Act. Written notification to withhold Directory Information must be on file in the Registrar's office by the last day to add a course for each term. Forms are available in the Registrar's office.

Officials of the University

Faculty, staff, and board members of the university have access to student education records in the performance of their regular duties as representatives of the university. Care is taken to authorize access to both computer and paper records only to those representatives who have a legitimate educational interest.

MCMURRY EMAIL

Due to the confidentiality of student records, the McMurry assigned email address is the only one used to contact and communicate with students. It is the students' responsibility to check and maintain their McMurry email accounts. Students receive vital communication from administrators and faculty through their McMurry email and are held responsible for the information sent to their McMurry email accounts.

CAMPUS CONNECT

Students are encouraged to view or print unofficial transcripts, semester grades, course schedules, and degree audits online through Campus Connect, which is located on the McMurry web site. Semester grades are not mailed except in special situations. Please notify the Registrar's office if it is necessary to receive your grades by mail. A degree audit may be requested from the Registrar's office, and can then be viewed or printed from Campus Connect within 24 hours of request. First time students may need to provide additional information to the Registrar's Office in order to obtain an accurate degree audit through Campus Connect. If you have questions or experience any trouble accessing Campus Connect, please call the Registrar's office for assistance.

TRANSCRIPT REQUESTS AND SERVICES

A student must sign a request form in the Registrar's office or mail or fax a signed, written request to release the transcript. Requests will not be accepted by telephone or from persons other than the student without the student's written permission. Regular processing time is 2-4 business days. Official transcripts require a processing fee of \$5.00 per transcript.

ADMISSION POLICIES AND PROCEDURES

The goal of the Office of Admission is to admit students who have the ability to succeed at McMurry. McMurry University prides itself on academic excellence based on a strong faculty and a low faculty to student ratio.

Admission to the university is selective and based on the academic qualifications of the applicant without regard to sex, race, age, handicap, color, religious affiliation, or national origin. McMurry University retains the right to deny admission to any applicant. Admission requirements are subject to change.

ADMISSION APPLICATION DEADLINES

McMurry University is on a rolling admission schedule with priority based on file completions date. The recommended deadline dates to submit application are March 1 (fall) and December 1 (spring). Contact the Admission Office to obtain the deadline for May and summer semester applications.

RECOMMENDED ACADEMIC PREPARATION

The following high school courses are strongly recommended for admission:

- English Language Arts 4 units (not correlated language arts)
- Mathematics 4 units (algebra I & II, geometry and above)
- Science 4 units
- Social Sciences 4 units
- Foreign Languages 2 units*

* Students are strongly encouraged to take 2 units of a foreign language.

Those who enroll with fewer than two units in a foreign language will be required to take a minimum 8 hours in a foreign language before they can graduate from McMurry regardless of their degree program.

STEPS FOR ADMISSION AND ENTRANCE CLASSIFICATIONS

Freshmen Students

Freshmen students are those who have not previously attended college and who have graduated from an accredited high school, completed the GED, or home-schooled students that can prove competency through the 12th grade level. Students who are 18 years of age or older and who have not earned a high school diploma who have never attended college will be considered for admission as freshmen if they can present evidence of having scored 550 overall, or higher, with no subsection score below 500 on the General Education Development (GED) test.

Freshman Application Review:

Students are evaluated for admission on an individual basis. Each application is evaluated based on academic merits (both high school grade point average, based on a 4.0 scale, and entrance exam scores), extra-curricular activities, and personal statement (if applicable). This holistic approach allows McMurry to evaluate students on an individual basis and look for each student's strengths. Student GPA calculation for admission is based on core coursework.

Freshmen Application Requirements:

1. Complete the application for admission.
2. Submit \$25.00 non-refundable application fee.
3. Have a current high school transcript (complete through the junior year) or GED scores sent directly to the Office of Admission. Final transcript with class rank, and graduation date posted will be required upon graduation.
4. Submit an official ACT or SAT score report.
5. Submit the McMurry personal statement.

Home-schooled Applicants:

1. Complete the application for admission.
2. Submit the \$25.00 non-refundable application fee.
3. Submit an official ACT or SAT score report.
4. Provide official documentation of classes taken at the high school level.
5. Submit McMurry personal statement.
6. (Optional) Submit 3 letters of recommendation from persons other than parents or peers, preferably persons with knowledge of the student's academic ability.

Admission Policies

Note: **Home-schooled students** are encouraged to take the General Education Development (GED) test. Additionally, the placement tests administered at McMurry University are approved by the Department of Education as an "ability-to-benefit" test for financial aid purposes.

Transfer Students:

Transfer students are those who have graduated from an accredited high school or completed the GED, and who have been or are enrolled at regionally accredited college or university.

Transfer Coursework:

Transfer grade point average (GPA) is computed on the basis of transferable coursework only. Transferable coursework is coursework that could be used toward an undergraduate degree at McMurry. Developmental or vocational course work is not accepted for transfer credit, but is taken into consideration in admission decisions. Transferable coursework with grades of "D" or below are not accepted for transfer credit but are used in determining transfer GPA. Not more than eight semester hours of Health Fitness courses will be accepted as credit towards a bachelor's degree or used to calculate transfer GPA.

Transfer Admission Requirements: Students admitted as a transfer may begin enrollment at the beginning of a fall, spring, or Summer Sub-term 1, 2, or 3 only. Initial enrollment is not permitted as a new transfer student in fall or spring subterm 2. Entrance examination scores are not required of applicants 22 years of age or older. Students who have completed only remedial work at the college level will be evaluated as freshmen. Transfer students will be considered for admission based on the standards listed below:

Students who have not completed the above courses, who have taken fundamental (remedial) courses or who make scores on placement instruments indicating a need for developmental coursework may be required to complete university preparatory courses or denied admission.

1. Those who have completed fewer than 24 hours of non remedial college credit are evaluated based on high school grades, entrance examination scores (if under the age of 22), and subsequent college work. Specifically:
 - a) **Acceptance:** those who have earned a cumulative 2.0 college GPA and qualify for admission based on high school academic record
 - b) **Probational Admission*:**
 1. Transfer students who have earned a cumulative 2.0 college GPA but do not qualify for admission based on high school grades and test scores OR those who have below a cumulative 2.0 college GPA but qualify for admission based on high academic record.
 2. Transfer students who qualify for admission, but have not successfully completed developmental coursework with a C or better.
 - c) **Denial:** those who have earned below a cumulative 2.0 college GPA and do not qualify for admission based on high school academic record.
2. Transfer students who have completed 24 or more hours of non-remedial college credit are evaluated based on college grades only and must have earned a 2.0 cumulative GPA.

*Probational admission:

Students admitted on probation must select courses with advisor approval. Minimum GPA requirements for good standing must be met at the end of the first semester. In addition, students admitted on probation may be required to take certain courses to remedy their deficiencies. (See later in the catalog under "Academic Probation and Suspension" for definition of good standing).

Transfer students will be considered for admission only if they are eligible to return to their previous college or university.

Transfer Application Requirements:

1. Complete the transfer application for admission.
2. Submit the \$25.00 non-refundable application fee.
3. Submit an official and complete set of transcripts from each college or university attended. Those who have completed less than 24 hours of college credit must submit an official, final high school transcript, and entrance exam scores (if applicable).

Transfer of Courses to McMurry University

Final acceptance of transfer courses, course equivalency, and credits awarded towards a degree at McMurry is subject to the approval of the Registrar. It is the student's responsibility to secure an official transcript from all previously attended institutions of higher learning. As a general rule, McMurry University will accept and award credit for college-level academic courses taken at regionally accredited institutions of higher learning. The credit must be recorded on the college or university's academic transcript. Credit will be posted only after the receipt of an official transcript mailed directly from the transferring institution to McMurry University.

McMurry University has adopted the plan for transfer of course work from two-year institutions as set forth by the Texas Higher Education Coordinating Board. The following exceptions apply:

1. Remedial and vocational course work and grades of "D" and below will not be accepted for transfer, but are considered in the admissions decision.
2. Students who have completed only remedial work at the college level will be evaluated as freshmen. Please refer to the "Freshmen Student" section for the necessary criteria.
3. Courses generally viewed as non-academic courses are not accepted for transfer credits.
4. Athletic sports participation and conditioning type courses taken in conjunction with or specifically for athletic participation are not accepted for transfer credit.
5. A student may not transfer more than 66 semester hours from a two-year college. No course taken at a two-year college can be transferred as upper division (3000 and 4000) work.
6. No course work will be accepted from an institution that is not regionally accredited.

Military service school courses are evaluated and may be accepted for credit by McMurry University according to the recommendations of the American Council of Education's Guide to the Evaluation of Educational Experiences in the Armed Services (ACE Evaluation Guide), current edition. Anyone in the military services may request an unofficial evaluation credit will be awarded upon successful completion of appropriate CLEP or subject examinations. Any credits that are to be awarded by evaluation, CLEP, or examination will not be officially recognized by McMurry University until a minimum of 12 semester hours have been successfully completed in residence at the main campus or at McMurry-Dyess Air Force Base Program.

Transient Students

Transient students are those enrolled at another institution who wish to take course work at McMurry, and then return to the institution where they were previously enrolled. In order to enroll, a transient student must be eligible to return to the previous institution. Transient students who subsequently pursue academic credit at McMurry University must first apply for admission and be accepted as a degree-seeking student before the work taken as a transient student will be applied toward a McMurry degree.

Transient Applicants:

1. Complete the application for admission.
2. Submit the \$25.00 non-refundable application fee.
3. Submit an official transcript from the college or university currently enrolled.
4. In order to register for a course that has prerequisites, an official transcript from the institution in which the prerequisites were completed will be required.

Dual Credit Students

Dual credit students are high school students (junior standing) with written permission from their high school principal or counselor to enroll in course work at McMurry while enrolled in and completing high school graduation requirements. Dual credit is limited to freshman and sophomore level courses, and generally limited to courses required for high school graduation. Permission of McMurry instructor is required for enrollment in a dual credit course.

Dual Credit Applicants:

1. Complete the application for admission.
2. Submit a letter of permission to enroll for college work from either the high school principal or the high school counselor.
3. Submit a letter of permission to enroll for college work from parent/guardian.
4. Bacterial Meningitis shot records are required of all new dual credit students.
5. Submit a current official high school transcript.
6. ACT/SAT scores are required for enrollment in any Math or English course. Depending on ACT/SAT sub-scores, a placement test may be required if Mathematics or English is the desired dual credit class.

Non-degree Students

Non-degree students are those students who enroll, but do not wish to receive academic credit for work completed. Students may enroll under a "non-degree" status for only one semester. Subsequent enrollment under the "non-degree" status requires written approval by the Vice President for Academic Affairs or designee. In order for work completed as a non-degree student to be applied toward a degree, the student must apply for admission, and be admitted as a degree-seeking student.

Non-degree Applicants:

1. Complete the "Non-Degree Student Application" for admission available from the Office of Admission.
2. Submit the \$25.00 non-refundable application fee.
3. Submission of the "Non-Degree Student Application" acknowledges that work completed under the non-degree status does not count toward a McMurry degree until the student applies and is admitted as a degree-seeking student.

Special Admission

Student may be admitted under the Special Admission category when unusual or special circumstances exist, as determined by the Vice President for Enrollment Management. Special admission students who subsequently pursue academic credit at McMurry University must first apply for admission and be accepted as a degree-seeking student before the work taken as a special admission student will be applied toward a McMurry degree.

Special admission Applicants:

1. Complete the freshman or transfer application for admission.
2. Submit the \$25.00 non-refundable application fee.
3. Submit an official transcript or statement of good standing from the college or university that you presently attend.

International Students

Students who are not permanent United States citizens or who do not have immigrant status are considered international students. International students applying for admission must meet the same admission requirements as other students in the same category (freshman or transfer). Once the student has been admitted and all other paperwork supplied, a \$1,500 enrollment deposit is required before the I-20 will be issued. The \$1,500 deposit will be applied to the student's tuition in their last semester of attendance, or refunded if no balance is due.

International applicants:

1. Submit an international student application for admission online using the McMurry web site at www.mcm.edu.htm.
2. A non-refundable application processing fee of \$50.00 is required.
3. Provide official transcripts of all academic work attempted in the United States or abroad (transcripts must be translated to English)
4. Scores from the American College Test (ACT) or the Scholastic Assessment Test (SAT) are encouraged. Students may be asked to provide these scores if necessary.

5. If native language is NOT English submit proof of:
 - Test of English as a Foreign Language (TOEFL) score. A minimum score of 213 is required on the computer based TOEFL, a minimum score of 550 is required on the paper based TOEFL, a minimum score of 79 is required for the internet based TOEFL, OR
 - The Academic Examination results of International English Language Testing System (IELTS). A minimum score of 6.5 is required. OR
 - 24 semester hours of transferrable coursework from a regionally accredited U.S. College or University to include English 1310 and English 1320 with a grade of "C" or higher.

Once admitted to McMurry, international students are eligible to receive their I-20 and apply for their F-1 visa when all required paperwork and fees are received. Students are also required to register with SEVIS (Student and Exchange Visitor Information System) and pay the \$200.00 user fee using the I-901 Form. This may be completed online at: <http://www.ice.gov/sevis/i901/index.htm>

Health Forms

All students must provide a completed "Report of Medical History and Consent of Medical Treatment" form, including a current immunization record at the time of registration. This record will be forwarded to the Health Office. The following immunizations, in addition to the basic childhood vaccines, are required of all students:

1. Tuberculosis (a negative skin test OR chest x-ray within past one year)
2. MMR (Measles, Mumps, Rubella) Two injections since age one
3. Hepatitis B vaccine, a series of three injections.
4. Bacterial Meningitis - See Health Services Section

Student Appeals Committee

Any applicant who does not meet the admission standards and whose application for admission has been denied may appeal the decision to the Student Appeals Committee. Applicants who wish to appeal any admission decision should contact the Office of Admission within two weeks of the notification of denial. Admission granted on the basis of incorrect information or an omission of fact which, if known, could have caused ineligibility, is invalid. McMurry University reserves the right to deny admission to any applicant. All admission appeals must be completed before an admission decision will be reached.

REQUIREMENTS FOR READMISSION

Readmission is accomplished through the Registrar's office. A McMurry student who has discontinued enrollment for one long semester or more must apply for readmission to the university. In order to be approved for readmission, the student must provide an official transcript from all schools attended since leaving McMurry and be clear in all campus offices. The readmission form and all official transcripts must be submitted to the Registrar's office no later than 5 business days prior to the beginning of the semester in which the student plans to return. Processing may take longer, depending on how quickly the official transcripts are received. Approval may be granted based on unofficial transcripts, only if the student is still enrolled in courses at another institution.

Readmission after a suspension:

Returning to McMurry after a suspension is subject to the approval of the Student Appeals Committee. A student on suspension must follow the readmission procedure as stated above, as well as complete the appeals process required by the Student Appeals Committee.

ACADEMIC RESTART

The McMurry Academic Restart program is available for students who wish to eliminate from their records all previous unsatisfactory grades for academic work. Undergraduate students may, at the time of admission or

Academic Restart

readmission to the university, petition to the Registrar for approval for Academic Restart if they have not been enrolled in any college or university for a period of at least five calendar years immediately preceding their intended enrollment at McMurry. The following conditions will apply:

1. The student will forfeit the use of all college or university credits earned prior to the date Academic Restart was declared (the date of admission or readmission). This includes credits earned through any advanced placement program. Courses taken prior to the Academic Restart date may not be used to fulfill requirements of any kind.
2. No courses taken prior to the declaration of Academic Restart will be used in the calculation of the student's grade point average.
3. The student's record will be inscribed with the notation "Academic Restart Declared" (date).
4. The student will not be eligible for academic honors conferred by the University except as justified by the entire academic record, including courses taken prior to the declaration of Academic Restart.
5. A student who declares Academic Restart will be placed on academic probation and required to earn a C (2.0) average during his first semester of enrollment. Students failing to meet this requirement will be suspended from the University. Those meeting the requirement will be removed from probation.
6. A student who declares Academic Restart will be considered an entering freshman and will be subject to all McMurry policies regarding placement in courses.
7. Declaration of Academic Restart has no effect on accumulated financial aid history. Students accumulated semester and award limits include all semesters of enrollment, both before and after the declaration.
8. The student will be required to provide official transcripts from all previous institutions attended.

ACADEMIC ADVISING

McMurry University considers Academic Advising an essential element of the educational process and is committed to a program which strives to integrate students' personal and academic goals, address their cognitive and social development, and establish the relationship between education and life experiences.

Each student at McMurry is assigned an academic advisor whose role is to help the student clarify individual goals and develop a suitable educational plan, select an appropriate course sequence, and review the progress toward established educational goals. While many students may later choose to self advise, they are first required to meet with their advisor for registration and schedule changes and are highly encouraged to consult with their advisor anytime assistance is needed. While the advisor serves as a valuable resource person who can help facilitate the student's adjustment to and development within the academic environment, **it is the student's ultimate responsibility for selecting courses, meeting course prerequisites, adhering to policies and procedures, and complying with all requirements for degree completion.** Students are assigned an advisor in the department of their declared major. During the first year, students are assigned an advisor who is especially equipped to work with new college students. After the first year, an advisor in the major department is selected.

The Office of Academic Advising, which is a component of the Registrar's office, assigns advisors and makes changes in a student's major, minor, or teaching field. In addition, the professional staff of this office advises and registers all new transfer students upon their initial enrollment to McMurry.

DEVELOPMENTAL EDUCATION & ACADEMIC PLACEMENT POLICY

McMurry University understands that some students need preparation for college-level coursework and seeks to respond to their individual differences and special needs by offering comprehensive developmental education courses. These courses enable students to develop the academic skills and attitudes necessary to achieve success in the liberal arts and pre-

professional curriculums. Students will be enrolled in the appropriate level developmental English, mathematics, and/or reading course based on student placement results and are required to register for and continually enroll in the developmental course(s) until it is passed with a grade of "C-" or better. Once students have met this requirement, they must enroll in the corresponding college-level academic course(s). Because McMurry University believes that success is linked to student engagement and practice, developmental courses may include lab requirements. Classes include ACAD 0300, ACAD 0302, ENGL 0110, ENGL 0310, MATH 0320, and MATH 0330. Credit for these courses will not count toward any degree requirements other than placement and the meeting of pre-requisite skills for college-level courses.

All first-time college students or transfers who have not completed English 1310 and/or Math 1311 (or equivalent) may be required to test for placement in math, reading and composition. Students whose placement results indicate a need for pre-college development in one or more of these areas must register for and continually enroll in the corresponding developmental education course(s) until they pass with a grade of "C-" or better. Students must meet this requirement before enrolling in the corresponding academic level classes. Academic advisors will assist students in registering for the appropriate level of classes. Declining required testing constitutes acceptance of placement in developmental education classes. Some students may be exempt from one or more placement test(s) if ACT/SAT subscores exceed the established cutoff levels listed below.

SAT Math:	<i>530 or higher</i>
SAT Critical Reading:	<i>490 or higher</i>
SAT Writing:	<i>490 or higher</i>
ACT English:	<i>19 or higher</i>
ACT Math:	<i>23 or higher</i>
ACT Reading:	<i>19 or higher</i>

Note: Home-schooled students – The placement tests administered at McMurry University are approved by the Department of Education as an "ability-to-benefit" test.

CREDIT BY EXAMINATION

McMurry University may award university credit on the basis of two College Board programs and on local departmental exams where no College Board tests are available. All credit by examination is subject to the following general limitations:

1. A maximum of forty-five semester hours of credit earned by examination at this institution or elsewhere may be applied toward the bachelor's degree.
2. Credit by examination will not be recorded until the student has enrolled for classes, and an official transcript is on file in the registrar's office.
3. Credit by examination will not reduce the regular residence requirements.
4. Letter grades are not given on credits by examination.
5. Credits earned by examination are not included in the computation of the grade point average.
6. Transfer students must satisfy all McMurry requirements concerning credit by examination.

ADVANCED PLACEMENT EXAMINATIONS (AP)

The College Board Advanced Placement Examinations are offered once a year, usually in May, to those high school students who have received college-level training in secondary schools. These examinations are not administered by colleges. Application to take these examinations must be made through high school counselors. Information concerning this examination program should be directed to the Advanced Placement

Program of the College Board, Box 977-GPS-A, Princeton, N.J. 08541. Beginning freshmen who present acceptable scores on the appropriate Advanced Placement Examinations will, on request, receive placement and credit for comparable courses at McMurry University. See table page 22.

COLLEGE LEVEL EXAMINATIONS PROGRAM (CLEP)

The College Board College Level Examination Program offers two types of examinations for credit: the General Examination and the Subject Examination. McMurry University does not give credit for General Examinations. The Office of the Registrar certifies credit earned on a CLEP Subject Examination on scores at or above that recommended by the American Council on Education. See Table Page 23.

DEPARTMENTAL EXAMINATIONS

McMurry students who wish advanced standing and credit in areas not covered by the two College Board programs described above may take special examinations upon approval of the department in which the course is offered. Applications to take departmental examinations must also be approved by the Vice President for Academic Affairs and the Registrar. The charge for departmental examinations and credit awarded will be \$20.00 per semester credit hour.

INTERNATIONAL BACCALAUREATE (IB)

McMurry University recognizes the value of the International Baccalaureate program and will grant a minimum of 24 credit hours for any new student receiving the IB diploma with a score of at least a 4 on all subjects. Credit may also be granted to students who did not complete the diploma program but earned appropriate scores and levels on the IB exams. IB transcripts will be evaluated on an individual basis and credit awarded by the Registrar. An official IB transcript must be mailed from the International Baccalaureate Organization to the Registrar's office at McMurry.

ADVANCED PLACEMENT EXAMINATIONS

DEPARTMENT	EXAM	SCORE	CREDIT AWARDED
ART	Studio Art 2D-Design	3/4/5	ARTS 2304 or ART 2323
	Studio Art 3D-Design	3/4/5	ARTS 2321
	History of Art	3	ARTS 1300
	History of Art	4	ARTS 1300 or ART 2301
	History of Art	5	ARTS 2301 and ART 2302
BIOLOGY	Biology	3/4/5	BIOL 1401
CHEMISTRY	Chemistry	3	CHEM 1410
	Chemistry	4/5	CHEM 1410, 1420
COMPUTER SCIENCE	Computer Science A	3/4/5	COSC 1325
ECONOMICS	Macro	3/4/5	ECON 2310
	Microeconomics	3/4/5	ECON 2320
ENGLISH	Language & Composition	4/5	ENGL 1310 (no writing sample)
	Literature & Composition	4/5	ENGL 1320 (no writing sample)
FRENCH	Language, Literature	3	FREN 1410, 1420
	Language, Literature	4/5	FREN 1410, 1420, 2310, 2320
GERMAN	German Language	3	GERM 1410, 1420
	German Language	4/5	GERM 1410, 1420, 2310, 2320
GEOSCIENCE	Environmental Science	3/4/5	GEOS 1405
GOVERNMENT	American Government	3/4/5	POSC 2310
HISTORY	American History	3	HIST 2310
	American History	4/5	HIST 2310, 2320
	European History	3	HIST 1310
	European History	4/5	HIST 1310, 1320
	World History	3	HIST 1310
	World History	4/5	HIST 1310, 1320
MATHEMATICS	Calculus AB	3/4/5	MATH 2421
	Calculus BC	3/4/5	MATH 2421, 2322
MUSIC	Music Theory	3/4/5	MUTH 1330, MUTH1130
PHYSICS	Physics C - Mechanics	4/5	PHYS 1410
	Physics C - Electricity	3	PHYS 1400
	Physics C - Electricity	4/5	PHYS 1420
PSYCHOLOGY	Psychology	3/4/5	PSYC 1340
SPANISH	Language & Literature	3	SPAN 1410, 1420
	Language & Literature	4/5	SPAN 1410, 1420, 2310, 2320
STATISTICS	Statistics	3	MATH 3351

CLEP SUBJECT EXAMINATIONS

DEPARTMENT	EXAMINATION	EQUIVALENT COURSE	SCORE	CREDIT AWARDED
BIOLOGY	Biology	BIOL 1401 Principles of Biology	50	4
BUSINESS	Financial Accounting	ACCT 2310 Financial Accounting	50	3
	Business Law, Introductory	BUSI 4370 Business Law I	50	3
	Info Syst. & Comp. Appl.	COIS 3380 Mgmt Information Systems	50	3
	Macroeconomics, Principles of	ECON 2320 Macroeconomics	50	3
	Microeconomics, Principles of	ECON 2310 Microeconomics	50	3
	Principles of Management	MGMT 3310 Principles of Management	50	3
	Principles of Marketing	MKTG 3370 Principles of Marketing	50	3
COMPUTER SCIENCE	Information Systems and Computer Applications	COIS 3380 Mgmt Information Systems	50	3
CHEMISTRY	Chemistry	CHEM 1400 Chemistry in Society	50	4
ENGLISH	American Literature	ENGL 2320 Masterpieces of American Literature	50	3
	Analyzing & Interpreting Lit.	ENGL 1320 Composition and Literature	50	3 ¹
	English Literature	ENGL 2310 Masterpieces of British Literature	50	3
	College Composition Modular	ENGL 1310 Composition and Rhetoric	50	3 ¹
FRENCH	French Language	Elem French/Intermediate French	50	4-14 ²
GERMAN	German Language	Elem German/Intermediate German	50	4-14 ²
HISTORY	History of US I	HIST 2310 United States to 1877	50	3
	History of US II	HIST 2320 United States to 1877	50	3
	Western Civilization I	HIST 1310 World Civilization to 1648	50	3
	Western Civilization II	HIST 1320 World Civilization Since 1648	50	3
MATHEMATICS	Calculus	MATH 2421 Calculus I	50	4
	College Algebra	MATH 1311 Algebra	50	3
	Pre-Calculus	MATH 1320	50	3
NATURAL SCIENCE	Natural Sciences	GEOS 1405 Environmental Geology	50	4
POLITICAL SCIENCE	American Government	POSC 2310 American Nat'l Govt.	50	3
PSYCHOLOGY	Introductory Psychology	PSYC 1340 Introduction to Psychology	50	3
	Human Growth & Development	PSYC 2360 Developmental Psychology	50	3
SPANISH	Spanish Language	Elem Spanish/Intermediate Spanish	50	8-14 ²
SOCIOLOGY	Introductory Sociology	SOCI 2300 Introductory Sociology	50	3

1. A passing score on the CLEP gives you the opportunity to write a departmental essay. (For McMurry students, the essay will be sent to the English Department on Campus and graded, for all other students the essay will be sent to CLEP for grading). Credit will be given only if the writing sample meets department standards.
2. 8 hours of credit for elementary language will be awarded for CLEP scores between 50 and 62. For CLEP scores 63 and above credit for one year of intermediate language will be awarded.

FINANCIAL ASSISTANCE

McMurry does not admit students on the basis of their ability to pay. Rather, it searches for the most qualified and accomplished students it can find. After admission, the University Financial Aid Office works with students and parents to make a McMurry education possible. This assistance comes from a variety of sources, including federal, state, private, and institutional (provided by McMurry University). General regulations for participation in any of these forms of financial assistance are as follows:

1. Students must be enrolled half time to be eligible to process loans. Half-time enrollment means a minimum course load of 6 credit hours per semester. In some instances a student may qualify for a Pell Grant with less than half-time enrollment.
2. Institutional scholarships require full-time enrollment (unless specified) of a minimum of 12 credit hours and is available only for the fall and spring semesters. Student teaching or students who do not have 12 credit hours remaining to complete their degree in their final semester will have their institutional scholarships pro-rated.
3. At least a 2.0 grade point average is required for most scholarships.
4. To receive financial aid, students must meet the minimum requirements for continued enrollment as listed in the catalog.
5. All awards are made only upon proper application each academic year. If there is similar financial need and if funds are available, students may expect financial assistance to be renewed upon application, if they remain in good academic and personal standing throughout their four years at McMurry and complete the required financial aid applications by March 15 each year.
6. Students may not receive Institutional Scholarships that are in excess of the amount charged for their tuition. If a student receives scholarship funds that cover full or partial tuition, the Institutional or state aid may be reduced or not awarded.
7. Institutional scholarships may not be used for intercollegiate classes with the exception for students enrolled with the Patty Hanks Shelton School of Nursing.
8. Students receiving scholarships must meet the stated minimum requirements for clear admission both in class rank and test scores.
9. All aid is awarded on a funds available basis. To apply for financial aid, students and their parents should submit a Free Application for Federal Student Aid (FAFSA) to the Federal Student Aid Program by March 15th. The FAFSA may be completed on line at www.fafsa.ed.gov.
10. A student is not eligible for financial aid after 12 full-time semesters.
11. Institutional Funds that are restricted to tuition only will be based on the percentage of tuition refunded. For example, if tuition refund is 75%, the student may keep 25% of the scholarship. Scholarships not restricted to tuition will be based on the percentage of the semester completed up to the 50% point of the semester. After the 50% point, the student may retain all of the scholarship.
12. Students receiving McMurry institutional scholarships, awards or grants may only use these funds for tuition costs resulting from courses taken at McMurry. Exception to this policy are students enrolled from McMurry in the Patty Hanks Shelton School of Nursing. Students enrolled at Hardin-Simmons or Abilene Christian University under our Intercollegiate Enrollment program assume the total cost of tuition charges at that respective university, with institutional financial aid prorated for courses taken at McMurry if student falls below full-time.

FEDERAL GRANTS

McMurry University participates in the Federal Grant Programs—The Federal Pell Grant is an entitlement program for students who show financial need. To apply for these grants the student must file the FAFSA.

STATE GRANTS

The Texas Tuition Equalization Grant (TEG) is a grant provided by the State of Texas to residents of Texas who show need and who are attending an approved independent college in Texas. This grant is to help equalize the tuition difference between state-supported schools and the independent colleges and universities of Texas. Students must maintain

a 2.5 GPA and complete 24 credit hours per year, and 75% completion of attempted hours for the year, to continue to receive the TEG. To apply for this grant, complete the FAFSA.

WORK ASSISTANCE

On-campus employment is provided by two sources. Texas College Work Study and the Federal College Work Study Program provide employment for students who show financial need in meeting expenses. To apply for need-based employment, students must complete the FAFSA.

LOAN ASSISTANCE (to be repaid)

McMurry participates in the Carl D. Perkins Loan Assistance Program (Perkins loan), the William D. Ford Federal Direct Loan Program, and College Access loan (CAL). Students and parents wishing to participate in these loan programs must process a FAFSA to support eligibility.

MCMURRY UNIVERSITY ACADEMIC SCHOLARSHIP PROGRAMS

McMurry Honors Scholarship- Three full tuition scholarships are available to entering first-time freshmen who are either in the top 5% of their high school graduating class or have scored a minimum of 27 on the ACT or 1220 on the SAT (requires honors program application completed by February 1st). A separate application and personal interview are required. A faculty committee selects the recipients. The scholarship is renewable for 3 years with a minimum 3.5 cumulative GPA and a 3.25 GPA in Honors classes with McMurry. Contact the Head of the Honors Program for information. This scholarship can not be received concurrently with any other McMurry University Academic or institutional Scholarship. (Patty Hanks School of Nursing students are not eligible); (cannot be used for intercollegiate classes).

McMurry University will no longer be offering athletic scholarships to new freshman or transfer students beginning in the 2014-2015 academic year due to Division III regulations.

Presidential Scholarship-First-time freshmen, with a 3.5 high school GPA or higher and at least a 950 SAT or 20 ACT or higher will receive a scholarship for \$12,000. This scholarship is renewable for 3 years with a 3.50 cumulative GPA with McMurry. Students receiving this scholarship may not receive any other institutional scholarship in excess of tuition. Cannot be used for intercollegiate classes.

University Scholarship- First-time freshmen, with one of the following scenarios:

1) With a 3.5 High School GPA or higher and less than a 950 SAT or 20 ACT or 2) With a High School GPA between 3.0 and 3.499 and at least an 1100 SAT or 24 ACT or higher, will receive a scholarship for \$11,500. This scholarship is renewable for 3 years with a 2.0 cumulative GPA with McMurry. Students receiving this scholarship may not receive any other institutional scholarship in excess of tuition. Cannot be used for intercollegiate classes.

Dean's Scholarship-First-time freshmen with one of the following scenarios: 1) with less than a 3.5 High School GPA and at least an 1100 SAT or 24 ACT or higher, will receive a scholarship for \$10,000. This scholarship is renewable for 3 years with a 2.0 cumulative GPA with McMurry. Students receiving this scholarship may not receive any other institutional scholarship in excess of tuition. Cannot be used for intercollegiate classes.

Phi Theta Kappa- A scholarship amount up to \$8,500 per year is offered to incoming transfer students with a 3.7 GPA and who are members of this organization. The number of semesters a student may receive this scholarship is limited based on the number of full-time semesters previously attempted or total number of transfer hours. Must maintain a 3.0 GPA with McMurry to continue to receive. Cannot be used for intercollegiate classes. Cannot be combined with Athletic Scholarship.

McMurry University Transfer Scholarships- The number of semesters a student may receive these scholarships is limited based on the number of full-time semesters previously attempted or total number of transfer

hours. Transfer Scholarships cannot be combined with Athletic Scholarship.

1. Transfer I of up to \$3,750 per semester is awarded to entering transfer students with a 3.6 GPA and 24 transfer hours. Need 2.5 GPA with McMurry to continue. Cannot be used for intercollegiate classes.
2. Transfer II of up to \$3,250 per semester is awarded to entering transfer students with a 3.0 GPA and 24 transfer hours. Need 2.0 GPA with McMurry to continue. Cannot be used for intercollegiate classes.
3. Transfer III of up to \$2,750 per semester is awarded to entering transfer students with a 2.5 GPA and 24 transfer hours. Need 2.0 GPA with McMurry to continue. Cannot be used for intercollegiate classes.
4. Transfer Award of up to \$2,250 per semester is awarded to entering transfer students with a 2.25 GPA and 24 transfer hours. Need 2.0 GPA with McMurry to continue. Cannot be used for intercollegiate classes.

McMurry University Abilene Military Dependent Scholarship- Any incoming student who is a dependent of full-time active-duty military personnel will receive a 30% discount in the cost of tuition. This scholarship cannot be received concurrently with McMurry Honors, Presidential, University Scholar, Faculty, Dean's Scholarship, or any transfer scholarship. This scholarship may be full-time or part-time enrollment. A 2.0 cumulative GPA with McMurry is required to continue the scholarship. Cannot be used for intercollegiate classes, or School of Nursing.

Special Military Rate For Active Duty Members Using Tuition Assistance (TA). In McMurry's continued support and partnership with the Air Force, McMurry University is proud to offer a Special Military Rate for Active Duty Members Using Tuition Assistance (TA). Those who are eligible to receive TA will be charged the maximum amount allowed, currently \$250/credit hour, for McMurry classes. Out of pocket expenses will be for books and supplies. Those under partial TA will be required to pay the balance after TA/GI Bill funds have been exhausted. Special tuition rate does not apply for classes at the Patty Hanks School of Nursing or any Intercollegiate classes.

International Scholarship- Amount of scholarship varies. This scholarship can not be received concurrently with any other McMurry University academic scholarship. A student must remain in good standing to continue to receive this scholarship. This Scholarship cannot be used for intercollegiate classes or School of Nursing.

Lydia Patterson Scholarship- one award to a first-time freshman who is a graduate of the Lydia Patterson Institute in El Paso with a 2.75 high school GPA that scores 20 on the ACT or 950 on the SAT who has not yet received a Bachelor's degree will receive a scholarship to cover full tuition. This scholarship cannot be received concurrently with any other McMurry University academic scholarship. A 2.0 Cumulative GPA is required to continue. Cannot be used for intercollegiate classes, or through the School of Nursing.

United Methodist Minister's Dependent Scholarship- \$1,500/year. Confirmation of parent being an Active Ordained United Methodist Minister. A 2.0 cumulative GPA is required to continue. Only 3 awards available. Cannot be used for intercollegiate classes, or through the School of Nursing.

Methodist Grant- Any student who is a documented member of the United Methodist Church and who shows financial need. Subject to availability of funds and completion on FAFSA. Applications available through the Financial Aid Office. Cannot be used for intercollegiate classes, or through the School of Nursing. Cannot be combined with Athletic Scholarship.

Departmental Honors Scholarships- Academic departments designate these scholarships to outstanding sophomore, junior and senior students.

McMurry reserves the right to make changes subject to availability of awards. Scholarships are available to undergraduates only.

METHODIST SCHOLARSHIPS

United Methodist Scholarships are awarded to McMurry students through the United Methodist Scholarship Program. Students who have been active members of the United Methodist Church for at least one year may apply. Applications are available from the Office of Loans and Scholarships, General Board of Higher Education and Ministry, The United Methodist Church, PO Box 871, Nashville, TN 37202-0871, or www.gbhem.org.

United Methodist Minority Scholarships are available from the Northwest Texas Conference of the United Methodist Church. Applicants should be members of a minority group and members of a United Methodist Church in the Northwest Texas or Rio Grande Annual Conference. Applications are available from the Northwest Texas Conference Office, PO Box 298, Lubbock, TX 79408.

MCMURRY UNIVERSITY ACTIVITY SCHOLARSHIPS

Art-Scholarships are available to students who show promise in art talent through submission of a portfolio to the Art Department Faculty. Contact the Chairman of the Art Department for information. A 2.0 cumulative GPA is required to continue. Cannot be used for intercollegiate classes.

Band- Scholarships are provided to students who are members of the McMurry University Band through competitive auditions with the Music Department Faculty. Apply to the Director of Bands for audition information. A 2.0 cumulative GPA is required to continue. Cannot be used for intercollegiate classes.

Choir-Scholarships are provided to students who are members of one of the recognized choral groups at McMurry University through competitive audition with the Music Department Faculty. Apply to the Director of Choral Activities for audition information. A 2.0 cumulative GPA is required to continue. Cannot be used for intercollegiate classes.

Theatre-Assistantships are provided to students who participate in McMurry University theatre activities through competitive audition with the Theatre Department Faculty. Contact the Dean of Arts and Letters for audition information. A 2.0 cumulative GPA is required to continue. Cannot be used for intercollegiate classes.

The Financial Aid Office reserves the right to replace institutional grants and scholarships with other gift aid sources in the same amounts, in order to maximize limited resources. Please note that the total amount of gift aid awarded will not be reduced.

Financial Aid Statement of Satisfactory Progress

Student may be placed on financial aid probation or financial aid suspension if he/she fails to maintain satisfactory progress. The student will be informed by letter of the reason(s) for the status and the conditions that must be met for removal from financial aid probation/suspension.

Institutional Policy

The Financial Aid Office evaluates student's satisfactory progress at the end of each semester once grades are released. Students are evaluated based on a quantitative basis (students must complete at least 75% of hours attempted) and a qualitative basis (must maintain at least a 2.0 cumulative grade point average, GPA). In order to meet satisfactory academic progress towards a degree, students complete their degree within the maximum number or hours. For instance, in an undergraduate degree that takes 120 hours to complete, the student has up to 180 hours to complete the degree without losing financial aid if all other satisfactory progress criteria have been met. (150% of published length of the program.) See additional information on Financial Aid Satisfactory Progress at http://www.mcm.edu/newsite/web/financial_aid/progress.htm

Financial Assistance

Academic Standard

Students must meet the academic standard for continuing enrollment as published in the University catalog under Academic Probation and Suspension, including continuation based on appeal. **A student placed on Academic Suspension is automatically placed on Financial Aid Suspension.**

FINANCIAL AID PROBATION AND SUSPENSION

Students who have not met satisfactory progress may be placed on probation the semester after progress was not met. If satisfactory progress is not achieved the semester after the probationary period a student will be placed on financial aid suspension

Students who are suspended, lose eligibility for financial aid for the entire academic year and will be considered for reinstatement of financial aid when they have met all requirements for satisfactory academic progress. Students may appeal suspension only once.

VOCATIONAL REHABILITATION

The Texas Rehabilitation Commission offers assistance for tuition and non-refundable fees to students who have certain disabling conditions provided their vocational objectives have been approved by a TRC Counselor. Examples of such conditions are orthopedic deformities, emotional disorders, diabetes, epilepsy, heart conditions, etc. Other services are also available to assist the handicapped student to become employable. Application for such service should be made at: Texas Rehabilitation Commission, Abilene District Office, 3104 South Clack, Abilene, TX 79606.

SCHEDULE OF CHARGES FOR THE 2014-2015 ACADEMIC YEAR

In considering the costs of attending college, total costs should be studied.

An illustration of the costs for a student living on campus is as follows:

Direct costs paid to McMurry University:	Semester	Annual
Block Tuition (12 hours or more)	12,422.00	24,844.00
Average room and board (Freshmen) (15 meals per week)	3,994.21	7,988.42
Average books and supplies	600.00	1,200.00
Total Direct C3osts	17,016.21	34,032.42

Indirect living costs for student:

Estimated transportation expense	563.00	1,126.00
Estimated personal expenses	1,014.00	2,028.00
Total Costs:	18,593.21	37,186.42

Tuition

Block Tuition Rate (Fall or Spring) (Block Rate 12 or more hours)	12,422.00
Hourly Tuition Rate (1-11 hours)	776.00

Nursing Program Charges

Block Tuition (Will be assessed on all full time students)	12,422.00
Part Time enrollment per semester hour	776.00
Nursing Graduate Student (MSN) per semester hour	776.00

Adjustment in tuition will apply if PHSSN tuition exceeds McMurry's rates. Fees assessed by PHSSN each semester and charged to the student account which includes but not limited to the following:

Laboratory Fee	Malpractice Insurance	Hesi Test
Clinical Kit	Nursing Exam	Examsoft
Parking Fee	Drug Testing Fee	Nclex Review
		Preceptor

Other Fees

Application for Admission	25.00
Audit Courses (Non-Credit) (Per class)	50.00
Departmental Exams (Per Semester Hour)	20.00
Housing Application Fee	50.00
ACT Residual	40.00
Intercollegiate Fee	25.00
Official Transcript Fee	5.00
Online Class Fee per hour	15.00

Music Fee	Per Course: 1 Hour	130.00
	2 Hour	180.00
Music Large Emblem Fee (first large ensemble only)		100.00
Orientation Fee (First-time full-time student)		175.00
CLEP exam fee is subject to College Board Rate		
CLEP administration fee		15.00
CLEP essay fee on English		10.00
Graduate Program App Fee		35.00
Dual Credit Cost Per Hour + Cap Jr/Sr		85.00

***Course Fees - Some course Fees may apply. See class schedule.**

Special Programs

Intercollegiate enrollment is possible through Hardin-Simmons and Abilene Christian Universities when a class is unavailable at McMurry University in a particular major. When this occurs, the student will be charged with any additional costs incurred, including a higher rate of tuition and any fees, at the other university. The block tuition rate at McMurry does not always cover intercollegiate and nursing enrollment costs.

Students from area high schools enrolling in dual credit courses, and resident-only students from area junior colleges residing on-campus, are considered registered in Special Programs at McMurry University. Registration in these programs generate costs that are due and payable in full by the first day of the semester of enrollment. These costs will be available before enrollment in either program. Payment may be taken or sent to the Student Financial Services at McMurry, or payment by credit card or bank draft may be made through our online service. Upon enrollment, the student under 18 years of age is considered an adult under FERPA guidelines and collection steps and charging policies will be the same as the University's traditional student.

Senior citizen programs begin at age 65 and allows the attendance, with no participation, of the class at no tuition cost or academic credit. After professor approval, registration is still required and any class fee will apply.

Abilene Supervisory Teacher vouchers can only be applied against tuition. If used in conjunction with other aid or benefit, the value of the voucher will be no more than the resulting balance.

Room Per Semester

Gold Star Resident Hall (Double Occupancy Fall, & Spring Semester)	1,600.00
President Residence Hall (Double Occupancy Fall & Spring Semester)	1,480.00
Private Room (when available, additional \$325)	
Martin & Hunt Residence Halls (Fall or Spring Semester)	
Double Occupancy	1,943.00
Triple Occupancy (Hunt only)	1,821.00
Semi-private Room	2,250.00

Summer I 2015	250.00
Summer II and 3 2015 per term	350.00

Apartment Rent per Month:

2 Bedroom	430.00
3 Bedroom	375.00
4 Bedroom	335.00

Apartment contracts are binding from June 1 to May 31 and are charged out twice during the year, 7 months in fall, and 5 months in spring.

Fall =	June through December
Spring =	January through May

Admissions Deposits

On-Campus Student

Room Deposit	100.00
Advanced Tuition/Fee Deposit	150.00
	250.00

Off Campus Student

Advanced Tuition Deposit	150.00
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International Student

Advanced Tuition	1,500.00
Room Deposit, if applicable	<u>150.00</u>
	1,650.00

Board: Semester Charge (plus applicable state & local taxes)
Students residing in a residence hall are required to choose one of the following three meal plans.

18 meals per week:
 \$1,802.50 + \$100 munch money + 148.71 tax 2,051.21

15 meals per week:
 \$1,596.50 + \$200 munch money + 131.71 tax 1,928.21

Unlimited Mealplan
 \$2,008.50 + \$50 munch money + 165.70 tax 2,224.20

Students living off campus or in McMurry apartments may choose any plan, including the following.

5 meals per week w \$100 munch money + tax	713.24
40 meals / semester with \$200 munch money + tax	534.49
80 meals / semester with \$125 munch money + tax	766.11
Munch money minimum /increments	50.00

Room Deposit 250.00

The \$250.00 deposit is required at the time application is made to live in the McMurry residence halls. One hundred dollars of this deposit is refundable when the student moves out if he/she checks out properly with the room left in good condition and requests the refund in writing according to the terms of their lease. Apartment dwellers abide by the terms of their yearly contracts. Fifty dollars of this deposit is a non-refundable housing application fee. The remaining \$100 is an advance tuition deposit and will be applied against tuition charges after the census date of the semester. Those living off-campus (commuters) will pay an advanced tuition deposit of \$150.00. **Residence hall rooms are rented for the year. No refunds are made for withdrawal within a semester.**

PAYMENT OF ACCOUNT

- When a student completes the registration process, the total amount of tuition, room and board is due and payable. All financial transactions will be in US currency and checks drawn on US banks.
- If the student's total net bill cannot be paid upon completion of the registration process, enrollment with Tuition Management System is required in order to make monthly payments. The summer sessions require one-half payment by the first class day with the remaining balance to be paid within the following four weeks. May term is due in full by the first class day.
- McMurry University will honor the eligibility of third party payments. Those would include but be not limited to, the Texas Guaranteed Tuition Plan (or other state tuition plan), Department of Rehabilitative Services, Veteran Programs and military tuition assistance. No service charges will remain on the account while waiting for these tuition payments, however, if bookstore charges or other fees are left unpaid, the monthly service charge will apply for balances past 30 days at 18% annual rate. The University tuition refund policy will apply and third party payments may apply to any penalties upon the cancellation or withdrawal from enrollment. The University will match a tuition charge to any payment by the military for earned days of enrollment on or prior to the Census Date.
- Returned checks are forwarded to Insta-Chek for collection. Any collection fee will be assessed by Insta-Chek and payment must be made to them. Any accounts or automatic bank drafts and credit card payments set up with Tuition Management System (TMS) that result in insufficient funds will be subject to fees and assessed by TMS. No two-party checks may be cashed.
- A service charge of 1.5% per month of the unpaid balance will be applied to each account not enrolled in a monthly payment plan with Tuition Management Systems (TMS) on the 20th of each month after that balance is 30 days old.
- No degree or diploma will be awarded any student until his financial obligations to the University have been satisfied.

- It will be necessary for McMurry University to refuse to issue a transcript of credits or letter of transfer for any student who has failed to meet his/her financial obligations to the University.
- The Texas Book Company bookstore is the supply store for students and is operated on a cash basis. Checks and major credit cards are also accepted.
- All questions or problems pertaining to payment of accounts should be discussed with the Vice President for Financial Affairs or a representative in the Student Financial Services Office. Any dispute on tuition charges must be resolved by the end of the semester in question. Any other dispute concerning semester charges must be resolved within 30 days from the date the charge was posted to the account. Be advised your account is available to view 24/7 through Campus Connect.
- Personal checks will have the student I.D. number written on them by University staff if a student has not done so already.

WITHDRAWING FROM THE UNIVERSITY AND TUITION REFUNDS:

No tuition refunds or credits will be made on dropped classes after the Census day of each semester. Upon complete withdrawal from the University, refunds will be assessed using the following schedule. Fees are not refundable and there is no refund for May Term after the Census day. Room cost is non-refundable upon withdrawal after the Census day, but board costs will be prorated to the withdrawal date upon the receipt of the withdrawal form in the Business Office.

Whereas professors are able to academically withdraw a student from class for non-attendance, a student should not expect a professor to take such action automatically. It is the student's responsibility to process a withdrawal in order to receive tuition refunds (if applicable, see below) and to assure good standing with Title IV financial aid in the future.

Tuition refunds for those students who withdraw from the University will be granted according to the following schedule:

Fall Semester 2014

100% refund
75% refund of tuition
50% refund of tuition
0% refund of tuition

Aug 25-Dec 12

August 25- September 3
September 4-12
September 13-19
September 20

Subterm 1

**Fall 2014
Aug 25-Oct 15**

100% refund	Aug 25 - Aug 27
75% refund	Aug 28 - Sep 1
50% refund	Sep 2 - Sep 3
0% refund	Sept 4

Subterm 2

**Fall 2014
Oct 16-Dec 12**

100% refund	Oct 16-20
75% refund	Oct 21-23
50% refund	Oct 24-27
0% refund	Oct 28

Spring Semester 2015

100% refund
75% refund of tuition
50% refund of tuition
0% refund

January 12- May 8

January 12 - January 22
January 23 - January 30
January 31- February 6
February 7

Subterm 1

**Spring 2015
Jan 12-March 6**

100% refund	January 12-14
75% refund	January 15-20
50% refund	January 21
0% refund	January 22

Subterm 2

**Spring 2015
Mar 16-May 8**

100% refund	March 16-18
75% refund	March 19-23
50% refund	March 24-25
0% refund	March 26

May Term 2015 May 11- May 29

100% refund	May 11-12
0% refund	May 13

Financial Assistance

Summer I 2015

June 1-July 2

100% refund	June 1-3
75% refund	June 4-8
0% refund	June 9

Summer II 2015

July 6-Aug 6

100% refund	July 6-8
75% refund	July 9-13
0% refund	July 14

A student must begin any withdrawal with the Student Retention Office, located in the Registrar's Office in the Maegden Building, complete the necessary signatures, and conclude at the Registrar's Office.

WITHDRAWAL CALCULATIONS PROCEDURES/POLICY

A student who must withdraw completely from the University may encounter several financial refund calculations. The first thing considered is the University's refund schedule. Further refunds will be dictated by the type of financial aid that the student has accepted, what has been received by the University and what the student may have received through cash draws from his/her account.

The University's refund policy reflects a 100% refund through the Census Day for each semester. No financial aid will be granted during that time. After the Census Day of each semester, a decreasing percentage of tuition only, is refundable per the schedule above. That amount is credited to the student's account.

Texas Tuition Equalization Grant funds will be refunded upon withdrawal of the student at the same rate of the school's tuition refund. Those funds will then be awarded to another eligible student.

If only a percentage of tuition is refundable by the University's policy or if a student withdraws after the last day to receive any tuition refund, the financial aid for that student is reviewed. Title IV Funds (involving Direct Loans, Perkins Loans, Parent Loans, Pell Grants, & SEOG Funds) that come from the government are subject to refund and repayment. The steps in this procedure include:

1. Calculating the percentage of earned aid based on the number of days the student attended classes up to 60% of the semester.
2. Applying that percentage against the aid received.
3. Returning the amount of the unearned portions of aid back to the Title IV programs.
 - a. This may increase the balance owed to the university but decrease what the student would owe later against a loan.
 - b. If the student made cash draws from this aid, it may create a repayment from the student due to the Title IV program.

Example #1:

Total Cost	6000.00
Tuition = 4000.00	
Title IV Aid	<u>4000.00cr</u>
Balance Owed by Student	2000.00
Withdrew 50% University Tuition Refund Policy	2000.00cr
Withdrew at 20% Title IV	
Earned Aid (80% refund to Title IV programs)	<u>3200.00</u>
Final Balance Student Owes University	3200.00

Example #2

Total Cost	6000.00
Tuition = 4000.00	
Institutional Aid	1000.00cr
Title IV Aid	<u>4000.00cr</u>
Balance Owed by Student	1000.00
Withdrew 0% University	
Tuition Refund Policy	
Withdrew at 40% Title IV	
Earned Aid (60% refund to Title IV programs)	<u>2400.00</u>
Final Balance Student Owes University	3400.00

A student found to have received all 'F,' 'WF,' and 'I,' grades at the end of a semester is also subject to the Title IV calculation as described above. However, additional steps will be taken to support if the student actually stayed in attendance throughout the semester in at least one course and earned the grade, or if there is a date of last attendance at an academic activity. Professors will be contacted to establish this date; that date will then be the date of withdrawal used to do the Title IV calculations. This calculation tells the school if Title IV funds must be returned to the program as stated by the federal government. If a student earns even one passing grade in a subject, the calculation will not be necessary.

ROOM AND BOARD REGULATION

1. Students are required to live on campus unless they have either completed 60 hours, are 21, are married, or live within 30 miles of campus with a parent or legal guardian. Residence hall rooms are reserved by written agreement for the fall and spring semesters. A student requesting to live off campus must be approved by Assistant Director of Residence Life. An application must be submitted to the Student Affairs Office, located in Presidents Hall, South Entrance.
2. An application/agreement for housing is sent to the student upon their acceptance to McMurry University. The completed Housing Application/Agreement and deposit of \$150.00 needs to be returned to the Admissions Office. Rooms are assigned on a first come-first serve basis and are based on availability.
3. \$100.00 of the housing deposit is returned to the student upon their final move out of the residence hall, provided the room is clean, there is no damage, complete checkout procedures are followed, and the deposit is requested in accordance with the terms of their lease.
4. The room and board charge is maintained by a yearly contract and if required, the price of room and board is subject to change.

ACADEMIC POLICIES & INFORMATION

GENERAL DEFINITIONS

THE ACADEMIC YEAR differs from the calendar year in that it is only nine months in duration, beginning late August and ending in May. The academic year begins with the FALL SEMESTER and ends with the SPRING SEMESTER. The academic year, therefore includes portions of two calendar years. The SUMMER SESSION consists of two terms, each approximately five and one-half weeks in duration. The MAY TERM is a three-week interim term which is scheduled after Spring Commencement and before the beginning of the Summer Session. It is described more fully in a later section under the heading of "Courses of Study." The student should refer to the UNIVERSITY CALENDAR which appears at the beginning of this publication.

CREDIT HOUR. McMurry University defines a credit hour in accordance with the federal regulations. A credit hour as a reasonable approximation of the student learning outcomes that can be achieved in the context of a course that requires 42-45 hours of student work including both contact time between student and faculty and the student's independent work. While hours of work and contact time can provide guidance in the establishment of credit hour equivalencies, it is understood that the student achievement associated with any credit hour can only be measured adequately in terms of documented qualitative and quantitative outcomes. The successful completion of a credit hour will always take into consideration expectations based on degree level, discipline, the type of learning experience (e.g., didactic, clinical, practica, or internships), and the mode of delivery (e.g., face-to-face or online). This definition is a minimum standard that does not restrict faculty from setting a higher standard that requires more student work per credit hour.

TERM OF ENROLLMENT. Enrollment in a specified semester or term is identified by the term designation (i.e. Fall, Spring, May, Summer I, Summer II). Example: A student enrolled in 6 hours for the full fall semester, plus 3 hours mini I and 3 hours mini II, is considered to be a full time student for the fall semester enrolled in 12 credit hours, since all fall courses carry the same term designation. Final grades for all courses in a designated term are posted to the students' transcripts at the end of the semester.

NUMBERING OF COURSES. Credit in college courses is counted in semester hours. (A course meeting three lecture hours per week for one semester has a credit value of three semester hours.) Freshmen-level courses are numbered in the 1000s; Sophomore-level courses are numbered in the 2000s; Junior-level courses are numbered in the 3000s; and Senior-level courses are numbered in the 4000s. The second digit in the course number designates the number of semester hours credit for the course; the third and fourth digits distinguish one course from another. All Junior- and Senior-level courses are called advanced courses and are numbered in the 3000s and 4000s. Courses numbered with a first digit of 0 are developmental and will not count towards any degree. A student who does not have the necessary standing or prerequisites will not be allowed to register for an advanced course.

Not Calculated in the Grade Point Average:

- I** Academic work was incomplete at the end of the semester (Requires permission of The Dean). Please see entire Incomplete policy elsewhere in the catalog.
- WP** Academic work was of passing quality at the time of withdrawal from a course.
- P** The academic work was of passing quality but not included in grade point calculation (assigned only in courses taught on Pass/Fail basis)

Grade Symbols

The instructor is responsible for whatever grade symbol (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, P, I, WF, WP) is to be assigned. Other symbols used are indications of registration or grade status and may or may not require action by an instructor and are NOT included in the GPA.

- W** Student withdrew from the course within the first six weeks of a regular semester.
- NR** Grade was not reported to Registrar.

GRADES

Calculated in the Grade Point Average:

Grade	Quality Points
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D- (Passing)	0.67
F (Failing)	0
WF (Failing)	0

Incomplete Policy

INCOMPLETE GRADE POLICY

INCOMPLETE is a temporary grade indicating course requirements were not completed and arrangements have now been made between the instructor and the student to complete the remaining requirements after the close of the semester. Assigning an incomplete grade requires the approval of the dean and is reserved for special and unusual circumstances such as family emergencies or serious illness. The course instructor must obtain and complete the Request to Assign Incomplete Grade form, which is available from the office of the Dean or the Registrar. If approved, the dean will submit the incomplete grade to the Registrar's Office.

The incomplete grade must be completed with the instructor who taught the course and will expire on the dates outlined below. If no grade is submitted, the incomplete will expire to an F on the date indicated. A grade change form completed in the Registrar's Office is required to change an incomplete grade to a final grade. In order to change an F to an alternate final grade, a grade change form is required, along with the signature of the VPAA.

FOR STUDENTS WHO ARE NOT CANDIDATES FOR GRADUATION

All final grades for previous semesters due in Registrar's Office by:	If INC grade is earned at the end of:	Grade due in Registrar's Office by:	‡ Final grade due in Registrar's Office or INC will expire to F on:
n/a	Fall	n/a	May 15
n/a	Spring, May Term, Summer	n/a	December 15

FOR GRADUATION CANDIDATES

	* All final grades for previous semesters due in Registrar's Office by:	If INC grade is earned at the end of:	Grade due in Registrar's Office by:	‡ Final grade due in Registrar's Office or INC will expire to F on:
DEC Candidates	October 1 immediately preceding anticipated Dec commencement	Fall	Jan 15 / INC grades received after Jan 15 will result in a later graduation date	May 15
MAY Candidates	March 1 immediately preceding anticipated May commencement	Spring	June 15 / INC grades received after June 15 will result in a later graduation date	Sept 15
AUG Candidates	March 1 immediately preceding anticipated May commencement	May Term or Summer	Sept 15 / INC grades received after Sept 15 will result in a later graduation date	Dec 15

* Exceptions for graduation candidates include honors thesis presentations, music recitals, theatre direction, others as applicable with approval of Registrar. The instructor and the candidate should remain in contact with the Registrar regarding the status of these situations.

‡ Extensions beyond this date are reserved only for unique circumstances and may be granted with approval of the instructor and the Dean and notification of the Registrar.

GRADE POINT AVERAGE (GPA)

The cumulative grade point average includes only McMurry University course grades. Credit accepted for transfer from another institution is included in the total amount of credit applicable to degree requirements, but grades earned in such courses are not recorded on the permanent record at McMurry University and are not used in computing the cumulative grade point average needed for graduation.

GRADE POINT CALCULATION

In order to meet the requirements for a degree, the average grade for all work done must be at least a grade of C (2.0).

The grade point average is calculated by dividing the total hours attempted into the total grade points accumulated.

Only courses taken at McMurry University are computed into the student's transcript GPA. At the time of graduation, only courses completed at McMurry University will be used to calculate eligibility for honors designations.

REPORTING OF GRADES

Students may view their semester grades on Campus Connect. Students may request a paper copy, if needed, in the Registrar's Office. Grade reports are subject to the same privacy laws and requirements as transcripts. Please refer to "Student Privacy" in a prior section of this catalog.

REPETITION OF COURSES

Once the final grade has been given in a course, this grade may not be altered by additional work or by examination. A course may be repeated for the purpose of raising the grade, but the last grade shall stand as the permanent record in any case, except for courses that are designated as repeatable for credit. If the student wishes to repeat a course such as this for the purpose of raising a previous grade in that course, he/she must notify the Registrar.

Only credit for courses, and not the grades earned in these courses, taken at institutions other than McMurry University (or through intercollegiate enrollment) can be accepted for transfer to McMurry University. If a student fails a course at McMurry, the student can earn credit for that course at another institution and transfer the credit hours to McMurry. In this case, however, the original grade earned in the course taken at McMurry will remain on the McMurry transcript and continue to be calculated as part of the student's transcript GPA. Thus, in order to remove a grade of D or F from the calculation of the student's transcript GPA, the student must repeat the course at McMurry University (or through intercollegiate enrollment).

DEAN'S LIST AND DEAN'S HONOR ROLL

The Dean's List is an academic honor roll made up each semester of those students who have carried a minimum of twelve semester hours and have achieved a grade point average of 3.5 or above for that semester.

The Dean's Honor Roll is an academic honor roll made up each semester of those students who have carried six to eleven semester hours and have achieved a grade point average of 3.5 or above for that semester.

ACADEMIC GOOD STANDING

Any student who is academically eligible to enroll for classes is considered to be in Academic Good Standing.

Extracurricular Activities and Academic Good Standing

McMurry University offers a wide variety of activities for students in keeping with its mission to provide a Christian liberal arts and professional education. These include but are not limited to the following: band and choral music organizations and ensembles, intercollegiate athletics, intramural athletics, McMurry Christian Ministries, Campus Activities Board (CAB), national honor societies, professional organizations, publications, service clubs, social clubs, special interest groups, and theatre.

In general, a student who is eligible to enroll for classes is considered to be in good standing for extracurricular activities. Additional and more stringent requirements may be established by supervisors of these activities, groups, organizations, or societies. For participation in intercollegiate

athletics a student must demonstrate satisfactory progress toward a degree. In order to demonstrate satisfactory progress a student/athlete must be enrolled full-time (a minimum of twelve semester hours) unless fewer hours are required for graduation.

Financial aid requirements for satisfactory progress and other regulations are explained separately in this catalog and elsewhere.

ACADEMIC PROBATION AND SUSPENSION

The institutional requirement for graduation is a "C" (2.00 grade point average) or higher; notification of probation is a warning that a student's grades fall below acceptable standards. If substandard performance continues, a student is then suspended from continued enrollment. At the conclusion of each fall and spring semester, every student's performance is evaluated to determine whether probation or suspension is warranted. This performance evaluation is based on cumulative hours (the higher of attempted or earned) including transfer hours, as stipulated in the categories below.

Academic Probation. A student is placed on academic probation when his or her cumulative GPA falls below the minimum requirements in the table below.

Hours	GPA
0-32	1.60
33-48	1.80
49 and Above	2.00

Academic Suspension. A student on academic probation whose cumulative grade point average falls below that indicated below, will be placed on academic suspension. The third consecutive semester of grades below probation but above suspension will result in suspension.

Hours	GPA
0-32	1.40
33-48	1.60
49 and Above	2.00

Students on suspension may appeal for reinstatement to the Student Appeals Committee. Suspended students may not enroll at McMurry for a minimum of one full semester and must receive readmission approval before re-enrolling. Suspended students who are allowed to re-enroll are placed on probation for the semester in which they are readmitted.

The Application for Readmission is obtained from the Registrar's Office and is processed through the Vice President for Academic Affairs (VPAA), Vice President for Student Relations, and the Vice President for Financial Affairs. The VPAA will notify the student of the action taken on the Application for Readmission. Applications for Readmission should be submitted to the Registrar at least 10 days before the beginning of the semester for which the student desires admission.

GRADE APPEALS

If a student disagrees with the grade received in a class, the student has the right to appeal using a formal appeal process. All grade appeals must be confined to irregularities in class policy and the assignment of grades. Concerns or complaints about faculty attitudes, ideas, or behavior should be directed to the dean of the school offering the class or the dean of students. If the academic dean is the subject of the complaint, the student should speak with the Vice President for Academic Affairs.

Grade appeals deal with the policies, as stated in the syllabus, by which final course grades are determined. Classes may vary among instructors, but fundamentally fair treatment of students in compliance with the syllabus provided for the course should be a constant. The process for appealing a grade works as follows (except for courses taken in the Patty Hanks Shelton School of Nursing):

Withdrawal Process

1. Initial attempts to resolve any grade dispute must be between the student and the instructor for the course.
2. If meeting with the instructor does not resolve the dispute, the student can proceed with the complaint by making an appointment to discuss the issue with the dean of the school. Depending on the situation, the dean may request a follow-up meeting to include the student and instructor.
3. If meeting with the dean does not resolve the dispute, the student can make a formal appeal to the Student Appeals Committee. The complaint must be initiated within thirty days of the posting of grades. This is a formal written appeal that consists of the following materials:
 - a. A written statement of the issue and past attempts to resolve the issue with the instructor involved and the dean of the school.
 - b. Any pertinent documentation supplied by the student in support of their argument, including a copy of the course syllabus and any specific assignments or coursework related to the complaint.
4. The Student Appeals Committee will solicit feedback from the instructor and may schedule a hearing at which both parties will be given limited but equal time to present their cases and for rebuttal. A question and answer period will allow committee members to solicit additional information.
5. At the conclusion of the testimony, both parties will be dismissed and the Student Appeals Committee will deliberate and vote on the appeal. A simple majority vote is required to decide the appeal. The student, instructor, and Vice President for Academic Affairs will be notified in writing of the committee's decision.
6. Decisions of the Student Appeals Committee are final and cannot be further appealed.

CLASSIFICATION OF STUDENTS

- » A Freshman is one who has satisfactorily met all University entrance requirements, but who has completed fewer than thirty semester hours of work (0-29 hours).
- » A Sophomore is one who has satisfactorily met all University entrance requirements, and who has completed thirty or more semester hours of work (30-59 hours).
- » A Junior is one who has completed sixty semester hours of work, and who has satisfactorily met all entrance requirements (60-89 hours).
- » A Senior is one who has completed ninety semester hours of work, and is a candidate for a degree (90 hours and above).
- » A Post-Baccalaureate student has completed a baccalaureate degree, and is taking courses toward additional certification or for personal benefit only.

CLASS ATTENDANCE

It is understood that attendance is part of the learning commitment - placing oneself in a class setting where effective educational communication and interaction can happen. Both faculty and students are expected to be regular and punctual in their attendance habits. Professors and students cooperate and are responsible for shaping a community at work. As part of this responsibility, attendance will be noted in some manner suitable to the size of the class, group, and type of activity. Any necessary absence occurring while a student is representing the University in some official way will be considered an authorized absence. Work missed due to such an absence is to be made up as the respective professor determines. Please refer to the Council Fire, Faculty Handbook, or course syllabus for more specific information.

ABSENCES

The following guide will help you determine the number of unauthorized absences allowed before a professor may drop a student from the class. Each professor will determine the consequences for absenteeism in his or her class. This will be noted in the syllabus.

- 3 absences in MWF classes per semester
- 2 absences in TR classes per semester
- 1 absence in a 2 or 3 hour class that meets once a week
- 3 tardies equal one absence

ADDING OR DROPPING COURSES

A student may add a course with the permission of the advisor at any time during the first 5 days of the semester. A student may drop a course with the permission of the instructor and the advisor with the grade of W at any time through the sixth week of the semester. After the sixth week of class, a student may drop a course with the permission of the instructor and the advisor and will be assigned the grade of WP or WF. For information regarding the last date to withdraw from a class, refer to the college calendar on page 4. A course may not be dropped after that date. The process of adding or dropping a course has not been completed until the form requesting permission to add or drop a course has been returned to and processed by the Office of the Registrar.

WITHDRAWAL PROCESS FROM THE UNIVERSITY

A student who must withdraw from the University is required to complete the following steps:

1. Report to the Student Retention Coordinator in the Registrar's Office to obtain a withdrawal form, exit survey.
2. Take the form to the Financial Aid Office.
3. Take the form to Resident Life & Housing Campus Center #104.
4. MOVE by Dan Jones Jay-Rollins Library #112
5. Take the form to the Business Office
6. Return the completed form to the Registrar's Office.

Unless a student officially withdraws, the University has no choice but to record a grade of F in every course in which the student was enrolled. See the Financial Information section for refund dates and amounts.

The University reserves the right to withdraw any student from a course and/or from the University when the student ceases to attend classes.

EMERGENCY MILITARY RECALL, REACTIVATION, OR DEPLOYMENT

It is McMurry University's policy to work with all students on an individual basis as they encounter serious and unusual circumstances affecting their educational progress. McMurry University supports our nation's military efforts and those who currently serve, those who have served, and those who are family members. Therefore, during times requiring recall/reactivation and/or deployment, McMurry University will counsel and plan with the specific student to minimize accompanying inconveniences and maximize academic credit established up to the time the student's military involvement is required. Upon receipt of notification of a status change, the student should immediately contact the Vice President for Academic Affairs who will assist the student in making the best decisions for the student's circumstances.

NUMBER OF HOURS A STUDENT MAY CARRY, FALL AND SPRING SEMESTERS

McMurry University defines a full-time student as one who is enrolled for a minimum of twelve (12) semester hours. A student who is not on academic probation may register for up to eighteen semester hours. A student on academic probation is limited to sixteen semester hours.

OVERLOAD POLICY

A student must have a B (3.0 grade points) average to be eligible to take more than eighteen semester hours. To take more than eighteen semester hours, a student must secure the approval of the Vice President for Academic Affairs. Overload permission forms are available in the Registrar's Office.

PREPARATION

An average of two hours outside preparation is expected for each hour in class. A full-time student needs forty-five to sixty hours per week for classroom attendance and preparation for classwork.

Schools

Seven baccalaureate degrees and one graduate degree are offered through the following six schools:

School of Arts and Letters

Dr. Christina Wilson, Dean

Art	Communication Studies
English	Music
Spanish Studies	Theatre

School of Business

Dr. K. O. Long, Dean

Accounting	Computer Information Systems
Finance	General Business
Heritage & Cultural Tourism	Management
Marketing	

School of Education

Dr. Perry K. Haley-Brown, Dean

Curriculum and Instruction	Kinesiology
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School of Natural and Computational Sciences

Dr. Alicia Wyatt, Dean

Biology	Chemistry
Computer Science	Mathematics
Physics	

School of Nursing

Dr. Nina Ouimette, Dean

Nursing

School of Social Sciences and Religion

Dr. Phil LeMasters, Dean

Greek	History
Philosophy	Political Science
Psychology	Religion
Servant Leadership	Sociology

COURSES OF STUDY

B.A. - Candidates for the B.A. degree may major in the following areas (a minor is required):

Chemistry	Christian Ministry
English	English and Writing
History	Multimedia and Graphic Design
Music	Political Science
Psychology	Religion
Sociology	Spanish
Studio Art	Theatre

B.A. - Candidates for the B.A. Degree with Teacher Certification may major in the following areas (A minor in Curriculum and Instruction is required):

Art Education	Chemistry Grades 8-12
English Grades 4-8	English Grades 8-12
History Grades 8-12	Social Studies 8-12
Spanish EC-12	Theatre Arts Education

B.B.A. – Candidates for the B.B.A. degree may choose from the following concentrations (a minor is required for Heritage and Cultural Tourism):

Accounting	Computer Information Systems
Finance	General Business
Heritage and Cultural Tourism	Management
Marketing	

B.F.A. - Candidates for the B.F.A. degree may major in the following areas (a minor is not required):

Multimedia and Graphic Design	Studio Art
Theatre	

B.I.S. - Candidates for the B.I.S. degree select three concentrations. See Bachelor of Interdisciplinary Studies section for further information.

B.M.E. - Candidates for the B.M.E. degree may major in the following areas:

Choral Emphasis	Instrumental Emphasis
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B.S. - Candidates for the B.S. degree may major in the following areas (minor required according to major; please refer to departmental sections of this Catalog):

Accounting	Biochemistry
Biology	Biomedical Sciences
Chemistry	Computer Science
Exercise Science & Human Performance	
Information Technology	Life Science
Mathematics	Physics

B.S. - Candidates for the B.S. degree with Teacher Certification may major in the following areas (A minor in Curriculum and Instruction is required):

All Level Physical Education	Computer Science Grades 8-12
Early Childhood Education	Life Science 8-12
Mathematics Grades 4-8	Mathematics Grades 8-12

Multidisciplinary Studies I	8-12 Certification
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Teaching Fields:

Business Basic	Physical Sciences
Technology Applications	

Multidisciplinary Studies II	4-8 Certification
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Teaching Fields:

Science	Social Studies
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B.S.N. – Candidates for the B.S.N. major in Nursing will apply to the Patty Hanks Shelton School of Nursing.

M.S.N. See Graduate Studies section of the catalog for information on applying to this program.

REQUIREMENTS FOR DEGREES

General Regulations. Seven baccalaureate degrees: the Bachelor of Arts, the Bachelor of Science, the Bachelor of Business Administration, the Bachelor of Fine Arts, Bachelor of Interdisciplinary Studies, Bachelor of Music Education, and the Bachelor of Science Degree in Nursing - are conferred by McMurry University upon recommendation of the faculty and the approval of the Board of Trustees. Recommendations for the baccalaureate degrees are contingent upon the following conditions being met:

Written Application for Graduation.

Candidates for graduation must make written application in the Registrar's office at the beginning of the long semester just prior to the expected graduation semester:

September 1st for students who expect to graduate the following May or August.

February 1st for students who expect to graduate the following December.

Transfer Credits.

All transfer credits which apply to a degree, whether earned at a regionally accredited higher education institution through distance learning or in residence, must be on file in the Registrar's Office by the beginning of the final semester leading to the degree. Any grade below C- will not be accepted for transfer. When a student has earned 66 credit hours or more

Degree Requirements

toward a baccalaureate degree, credit earned from a junior college cannot be accepted thereafter toward any degree. Following matriculation, any credits transferred must be approved in advance through submission of a Transfer Course Application, available in the Registrar's Office. The application requires approval of the Registrar, academic advisor, Certification Officer (if applicable), and the appropriate department or dean. Any hours taken without prior permission may not count toward a McMurry University degree.

Graduation Under a Particular Catalog.

A candidate may obtain a degree according to the requirements of the catalog under which he/she enters the University or the catalog governing any subsequent year in which he/she is registered, provided that all requirements are completed within six years of the date of the catalog chosen. A student may always graduate under the current catalog. **The meeting of requirements and regulations of the catalog is the final responsibility of the student and not of the University.**

Conferring of Degrees.

Degrees are conferred three times each year, with recognition of graduates at commencement ceremonies twice a year. Students who complete their requirements in the fall semester participate in a December commencement ceremony, and those who complete their requirements in the spring or summer semesters participate in May commencement exercises. Degrees are conferred in December and May (as of the day of Commencement) and in August (as of the last day of Summer courses).

Students are responsible for meeting all the graduation deadlines listed elsewhere in this catalog. Once a degree is conferred, it is considered final. No additional majors, minors, concentrations, focus areas, teaching fields, or emphasis can be added to a degree once it has been conferred. For students interested in obtaining a second degree, please see information in the "Requirements for a Second Degree" section of the catalog.

Graduation with Honors.

At the time of graduation, a student is designated Summa cum Laude if the student's cumulative grade point average is 3.85 or above; Magna cum Laude, 3.7; cum Laude, 3.5. To be eligible for graduation with honors, a student must have completed a minimum of fifty seven semester hours in courses at McMurry University. Grades for all courses taken at McMurry, including courses in which the student received a "D+", "D", "D-", "F", "WF", or "I" will be included in the calculation of honors.

Diplomas.

Diplomas are provided to graduates once all final degree requirements, grades, and transcripts have been received and verified. The diploma will include the degree, Latin honors, departmental honors, and honors program. It will not include the major, minor, concentration, focus, etc. Only the name of the student listed in our student information system will be printed. If another name is requested, official documents will be required to verify the name change. Titles and other name designations will not be printed on the diploma. Diplomas cannot be released for students who have a hold in any area of the university.

If a replacement diploma is needed, a request can be made to the Registrar's office, along with a fee of \$25.00. Any replacement diploma will include the current format and signatures in use at the time of reprinting, and the request will be honored with the next subsequent diploma printing. Typically, diplomas are printed three times a year following each of the degree conferral dates in May, August, and December.

Residence Work.

At least 25% of all hours required for the baccalaureate degree must be taken in residence. Remedial credit and credit earned by examination do not apply as residence hours. All candidates for degrees must do their last twelve hours in regular class work on the campus. Distance learning work is not permitted during the last semester without specific approval of the Registrar. All candidates for degrees must complete at least six semester credit hours in residence in the major, minor, focus areas, concentrations, and/or teaching fields. Intercollegiate courses and courses taken through the Patty Hanks Shelton School of Nursing satisfy McMurry residency requirements.

General Electives.

The number of general education electives required may vary by the choice of degree and major. Each student will be required to take enough lower and/or upper level elective hours to meet a total of 39 advanced hours and 120 overall hours excluding remedial courses. Questions concerning general education electives should be directed toward either the student's academic advisor, the office of Academic Advising, or the Registrar.

Semester Hours.

A candidate for a baccalaureate degree must complete a minimum of one hundred twenty credit hours, excluding remedial courses.

Advanced Hours.

All baccalaureate degrees require a minimum of 39 advanced semester hours. Additionally, a minimum of 12 advanced hours are required for the major and 6 advanced hours are required for the minor.

Applied Fine Arts Credit.

Not more than twelve semester hours of applied fine arts will be accepted as credit towards a bachelor's degree except for a major or minor in music.

Health Fitness Credit.

Not more than eight semester hours of Health Fitness courses will be accepted as credit towards a bachelor's degree. Courses are repeatable for credit.

Grades.

An average of C (2.0 GPA) must be made on the total work undertaken at McMurry University. Some majors specify a higher required GPA for completion. No grade of less than C quality is acceptable in the major, concentration, focus area, field of study, or teaching field. Some majors specify the grade required in general education courses.

Choice of Major and Minor.

The student is advised to choose his/her major early in his/her college career, but is not required to do so until the beginning of his/her junior year. The University is not obligated to offer courses for a student who changes his/her major after the first semester of the junior year. The student should secure his/her academic advisor's approval upon the choice of both major and minor.

Concurrent Enrollment Policy.

No student may be concurrently enrolled in any other residence-required courses or programs at another regionally accredited college or university without prior approval by the Vice President for Academic Affairs. A student may take no more than 18 total credit hours during a semester as per the **overload policy** in this catalog. Non-residence and distance learning courses from regionally accredited institutions may be taken for transfer credit as per the guidelines of the Transfer Credit section of this catalog. The transfer course application for this purpose is available in the Registrar's Office (Financial Aid restrictions may apply). Courses taken through the Intercollegiate Enrollment program are not subject to these requirements. Please see the section on Intercollegiate Enrollment in the Special Programs section of this catalog on page 37.

Requirements for Second Degree.

A McMurry graduate wishing to obtain a second degree must complete the requirements under a single catalog in effect after entering school for the second degree. A minimum of 150 total credit hours are required, with a minimum of 51 total hours at the advanced level. The second degree must include at least one field of study different from the one(s) earned for the first degree. All other requirements must be met for the second degree and must be completed within six academic years in order to graduate with the second degree under the entering catalog. All credit for the second degree must be earned in McMurry courses.

McMURRY FOREIGN LANGUAGE REQUIREMENT

BA Degree

BA candidates must take at least 1 year of a single foreign language at the college level or show proficiency by taking an elementary foreign language proficiency exam or CLEP. Four BA majors require 2 years of a foreign language or proficiency by exam: English, English and Writing, History, and Religion.

BFA Degree

BFA candidates must take at least 1 year of a single foreign language at the college level or show proficiency by taking an elementary foreign language proficiency exam or CLEP.

BIS Degree

BIS candidates must take one semester of a single foreign language at the college level or show proficiency by taking an elementary foreign language proficiency exam or CLEP.

BS Degree

Two years high school credit in a single foreign language satisfies the BS language requirement. Students who do not have this high school credit will be required to take 8 hours of a single foreign language at McMurry. Students who graduated from high school prior to 1993 do not have a foreign language requirement for the BS degree.

BS Degree / BME/ Multidisciplinary Studies Major

Two years high school credit in a single foreign language satisfies the BS / MS language requirement for education majors. Students who do not have this high school credit will be required to take 8 hours of a single foreign language at McMurry. Students who graduated from high school prior to 1993 do not have a foreign language requirement for the BS/MS degree.

BBA Degree

Two years high school credit in a single foreign language satisfies the BBA language requirement for business majors. Students who do not have this high school credit will be required to take 8 hours of a single foreign language at McMurry. Students who graduated from high school prior to 1993 do not have a foreign language requirement for the BBA degree.

BSN Degree

Two years high school credit in a single foreign language satisfies the BSN language requirement. Students who do not have this high school credit will be required to take 8 hours of a single foreign language at McMurry. Students who graduated from high school prior to 1993 do not have a foreign language requirement for the BSN degree.

McMURRY UNIVERSITY HONORS PROGRAM

Dr. Philip LeMasters, Director

The McMurry University Honors Program includes two distinct tracks designed to enrich the academic experience of our most outstanding students. Every McMurry student with a 3.25 GPA is considered an honors student and encouraged to take honors courses. In order to graduate from the Honors Program, a student must be admitted to and complete all the requirements of one of the following honors tracks:

University Honors:

Incoming Freshmen

Incoming freshmen are eligible to apply for admission to this four-year honors track if they meet one of the following criteria: 27 ACT/1220 SAT; standing in the top 5% of the graduating class; or completion of twelve hours of dual-credit courses at McMurry with a GPA of at least 3.5. The

deadline for application is February 1 of the calendar year in which the student enrolls at McMurry. The top three applicants receive full-tuition scholarships for four years, while others may receive a \$3,000.00 scholarship each year for four years. Students who apply for the program after February 1 may in some cases be eligible to receive a \$3,000.00 award, dependent upon how many students have been admitted to the program previously.

Transfer Students

Transfer students are eligible to apply for admission to this four-year honors track if they have a GPA of at least 3.5 for at least twelve transferable hours completed at another accredited institution. The deadline for application is July 15 of the calendar year in which the student enrolls at McMurry. A limited number of \$1,000.00 scholarships are available for transfer honors students. Students who apply for the program after July 15 may in some cases be eligible to receive a \$1,000.00 award, dependent upon how many students have been admitted to the program previously.

Application Procedure

Qualified applicants for the University Honors Track will receive an application packet upon their admission as McMurry students. After supplying all the required application materials, they will have an interview with a committee of professors or with the director of the honors program. Decisions on admission to honors and scholarships will be made after the interview.

Course Requirements

University Honors students will earn honors credit in at least twelve hours of honors courses, preferably taken before the senior year. (Alternatively, they may complete the fifteen hours of The Texas Semester with a GPA of at least 3.5 for those courses.) In order to continue in this track and retain an honors scholarship, they must maintain 3.25 GPA for their honors work and a 3.5 GPA for all McMurry course work. They must also make reasonable progress toward graduation from the program. This track is open to all majors. Students with honors scholarships must register for thesis hours during the senior year in order to retain their scholarships.

Nursing Students

Honors scholarships are not transferrable to the Patty Hanks Shelton School of Nursing. Pre-nursing students may have the benefit of these awards during the freshman and sophomore years on the McMurry campus, but not as students of the School of Nursing.

Departmental Honors:

This honors track is designed for students who wish to develop an advanced level of competence in their major field. Students must have a 3.25 GPA* and have completed 60 semester hours of college work in order to apply for admission. Students will earn 7 hours of honors credit, normally including 3-6 hours of honors courses in the department and a 1-3 hour honors thesis in the major field. Students in all majors may participate in Departmental Honors.

*(A GPA higher than 3.25 is required for admission to departmental honors in Business, Communications, Curriculum & Instruction, Music, and Nursing. It is possible to apply for admission to Departmental Honors in Music after completing 30 hours of college work.)

Departmental Requirements for Honors Thesis

Each academic department determines the prerequisites for writing an honors thesis in that discipline. Regardless of which track of the honors program a student is in, he or she must meet the requirements set by the major field. In the case of an interdisciplinary thesis, such as one in Great Books, the honors program director will appoint at least three appropriate faculty members to determine the course requirements for the student and oversee the thesis. In all cases, it is the responsibility of the student to be aware of the requirements for graduation from the honors program and to be in touch with the honors program director whenever questions arise.

In order to receive the approval of an academic department for admission to its honors program, a student must complete the "Application for Honors Program" form with the endorsement of the head of the appropriate department. In order to begin work on an honors thesis, a student

Honors Program

must complete the "Honors Thesis Proposal" form with the endorsement of the student's thesis committee. A copy of each of these forms is included in the appendix of The Honors Handbook. These requirements apply to students in both tracks of the honors program.

In order to graduate from either track of the honors program, a student must earn at least seven hours of honors credit and maintain an overall and major field GPA of at least 3.25. The following departments require a GPA higher than 3.25 for their honors students: Business, Curriculum and Instruction, Music, and Nursing.

Art:

Admission requires completion of at least 60 hours of credit, including 12 hours of Art, with an overall and art GPA of at least 3.25. Students will complete seven hours of honors credit, including three to six hours of honors tutorial in Art and a senior thesis (1-3 hrs), and graduate with an overall and Art GPA of at least 3.25. Dependent upon the focus of the thesis, the student may present along with it his/her original art work.

Biology:

Admission requires completion of 60 hours of college credit; 16 hours of Biology courses, including BIOL 1301, 1402, and 1403; and an overall and Biology GPA of at least 3.25. Required honors courses: Biology 4X96* Honors Tutorial (1-3 hrs and may be repeated) and Biology 4X97* Honors Research (3 hrs). Students must earn four hours of credit for BIOL 4X96* and three hours for BIOL 4X97*. Students must graduate with a Biology GPA of at least 3.25 in order to receive the honors designation.

Business:

Admission requires completion of 60 hours of college credit and a GPA of at least 3.5 in ACCT 2310; ECON 2310, 2320; and BA 1310, with a GPA of 3.25 in all other college work. Students must complete seven hours of honors courses in Business, including BA 4X96* (Honors Tutorial) and BA 4X97* (Honors Thesis). Departmental honors will be obtained in the Student's area of business concentration.

Chemistry and Biochemistry:

Admission requires completion of 60 hours of college credit, including CHEM 1410, 1420, 2430, 3410, and 3420 with an overall and Chemistry/Biochemistry GPA of 3.25. Students must complete seven hours of honors courses, to be distributed between CHEM 4X96* and CHEM 4X97* and culminating in a senior thesis.

Computer Science:

Admission requires completion of 60 hours of college credit, including COSC 1325, 1340 and 3360, with an overall and Computer Science GPA of 3.25. Students must complete seven hours of honors courses, to be distributed between COSC 4X96* and COSC 4X97*, and culminating in a senior thesis.

Curriculum and Instruction:

Admission requires completion of 60 credit hours with a GPA of at least 3.5. Thesis proposals by EC-6 students will require the approval of the Education faculty, and students will complete a thesis in some facet of elementary education (e.g., pedagogy, curriculum, etc.). Theses on elementary education will be directed by a member of the Department of Curriculum and Instruction. Students will earn six hours of credit for the senior thesis, which will function as six hours of major electives.

English:

Admission requires completion of 60 hours of college credit, 15 hours of English, and an overall and English GPA of at least 3.25. Students must complete at least seven hours of honors courses, including ENGL 4X96* (Honors Tutorial) and either ENGL 4X97* Senior Thesis or ENGL 4X98* Senior Opus. A senior thesis or opus in English must be between 75-150 pages in length. The senior opus must be a piece or collection of original prose, poetry, or drama.

History:

Admission requires completion of 60 hours of college work, 15 hours in History, and an overall and History GPA of at least 3.25. Students will complete seven hours of honors courses, HIST 4X96* Honors Tutorial (3-6 hrs) and 4X97* Honors Thesis (1-3 hrs), and at least 24 hours in History.

Information Technology:

Admission requires completion of 60 hours of college credit, including COSC 1325, COIS 2350, and one of the upper-level required courses, with an overall Information Technology GPA of 3.25. Students must complete seven hours of honors courses, to be distributed between ITEC 4X96* and ITEC 4X97*, culminating in a senior thesis.

Kinesiology:

Admission requires completion of 60 hours of college work, including KINE 2330 and 2335, and an overall and KINE GPA of 3.25. Students will earn seven hours of honors credit, including KINE 4X96* Honors Tutorial (3-6 hours) and 4X97* Senior Thesis (1-3 hours). KINE 4399 Special Topics: History of the Olympics will also count toward honors requirements in KINE.

Mathematics:

Admission requires completion of 60 hours of college work, including MATH 2315, 2421, 2322, 3302, and an overall and Mathematics GPA of 3.25. Students will complete seven hours of honors credit, including MATH 4X96* Honors Tutorial and 4X97* Senior Thesis.

Music:

Admission requires completion of 30 hours of college work for sophomores or 60 hours of college work for juniors; and overall GPA of 3.25 and music GPA of 3.4. Students must complete seven hours of honors courses in music and maintain the above GPA's at graduation. Students will choose one of the following tracks: (1) Music History, Music Education, or Music Theory: requires the completion of an honors thesis in music or (2) Performance: requires the completion of at least one honors recital. The honors thesis and honors recital courses are each two-hour courses, and may be repeated once.

The honors recital will be evaluated by a committee structured in the same way as a thesis committee. The student must secure the approval of the committee by audition at least four weeks prior to the beginning of the final examination period for the semester in which the recital is completed. All students choosing the recital track will complete Honors Recital: a performance of at least 52 minutes of music, with at least one work memorized and program notes written by the student for each work. Students enrolling for a second honors recital may also complete Honors Recital II: a lecture or recital of at least 60 minutes duration on a specific subject, genre, or composer. Program notes will be at least 10-15 pages long. Students delivering a lecture will submit to the committee a text of at least that length on which the lecture is based.

The following courses may be taken for honors credit in music:

- I. Music History (3-6 hours): MULH XX99 Special Topics (such as Symphonic Literature, Chamber Music Literature, composer, comparison, and period courses), and MULH 4X95 Independent Study.
- II. Music Theory (3-6 hours): MUTH 4260 Advanced Orchestration, MUTH XX99 Special Topics (such as Compositional Trends and Analysis, Schenkerian Analysis), MUTH 4X95 Independent Study.
- III. Music Education (3-6 hours): MUED XX99 Special Topics (such as The Changing Voice, Implementing the National Standards Through Instruction), and MUED 4X95 Independent Study.
- IV. Honors Thesis or Recital (2 hours, repeatable once).

Nursing:

Admission requires application to the Dean of the Patty Hanks Shelton School of Nursing by October 15th of the sophomore year. By the beginning of the junior year, the student must have an overall GPA of at least 3.25, join and be active in the local Student Nurses Association, make normal progress toward graduation in nursing courses, and be eligible for recommendation to Sigma Theta Tau. Students will enroll in NURS 4396* Honors Tutorial during the spring of the junior year, and 4397* Honors Thesis during the first summer session after the junior year. The fall of the senior year, students will enroll in NURS 4344* Theories and Research. The thesis will be completed in its entirety during this course. During the spring of the senior year, the student will enroll in NURS 4197* Honors Thesis and make a formal, public presentation of the thesis.

Physics:

Admission requires completion of 60 hours of college work, 15 hours of Physics, including PHYS 2510, 2520, and 3300, and overall and Physics GPA of 3.25. Students will complete seven hours of honors credit, including PHYS 4X96* Honors Tutorial (3-6 hours) and PHYS 4X97* Honors Thesis.

Political Science:

Admission requires completion of at least 60 hours of college work, 18 hours of Political Science, an overall and Political Science GPA of 3.25. Students will complete seven hours of honors credit, including POSC 4X96* Honors Tutorial and POSC 4X97* Senior Thesis.

Psychology:

Admission requires completion of at least 60 hours of college work; an overall and Psychology GPA of 3.25; completion of 24 hours in Psychology; and eligibility for membership in Psi Chi. Students will complete PSYC 4X96*, Honors Tutorial and PSYC 4X97* Senior Thesis.

Religion:

Admission requires completion of at least 60 hours of college work, 15 hours of Religion, including REL 1330, 2350, 2330, and 2340, and an overall and Religion GPA of 3.25. Students will complete seven hours of honors course work in Religion, including REL 4X96* Honors Tutorial (3-6 hours), and 4X97* Senior Thesis.

Sociology:

Admission requires completion of at least 60 hours of college work; an overall and Sociology GPA of 3.25; completion of 15 hours in Sociology; and eligibility for membership in Alpha Kappa Delta. Students will complete SOC 4X96* Honors Tutorial and SOC 4X97* Senior Thesis.

Spanish:

Admission requires completion of at least 60 hours of college work, 14 hours in Spanish, including SPAN 1410, 1420, 2310, 2320; an overall and Spanish GPA of 3.25. Students will complete seven hours of honors work in Spanish, including SPAN 4X96* Honors Tutorial and SPAN 4X97* Honors Thesis.

Theatre:

Admission requires completion of at least 60 hours of college work, including THRE 2320, 2330, 2340, 3320, 3344, 3345, and one of the following: THRE 3350, 3365. Students must have a Theatre and overall GPA of 3.25, and will complete seven hours of honors work in Theatre, including an honors tutorial and the senior thesis.

McMURRY-DYESS AIR FORCE BASE PROGRAM

Dr. Rosemary Kovach Wallace, McMurry-Dyess Air Force Base Program Director

RESIDENT PROGRAM PURPOSE AND ADMINISTRATION

Since the fall of 1960, McMurry University has operated an on-base program of classes at Dyess Air Force Base located approximately seven miles from the main campus. The educational program provided for military personnel is designed to assure an opportunity to attend resident college classes conducted by McMurry University at Dyess Air Force Base and on the main campus. The program is suited not only to military members, but also to non-traditional and civilian students alike in that subterm courses tend to be offered during lunch time, in the evening and/or in condensed semesters. Online courses are available through the main campus. Full semesters are offered as well. Offerings include the academic courses toward completion of the Community College of the Air Force (CCAF) associate degree and the general education courses toward the baccalaureate. In addition, various disciplines' lower and upper level courses are periodically given on base. Courses from the Business Core portion of the Bachelor of Business Administration (BBA) degree are typically available on base. McMurry professors and instructors (full time and a

djunct) comprise the faculty, with each department Chair responsible for assigning faculty and overseeing individual course offerings. The Director works in liaison with the various departments, colleges, and schools of the University to ensure academic standards and procedures are maintained between campus and base. Students are eligible to take course work at either site - main campus or on base. The Director of McMurry-Dyess Air Force Base Program is responsible to the Vice President for Academic Affairs and works with others in administration. The program is administered by the Director with an office on base and at the main campus.

ADMISSION

Regular admission procedures apply. That is, admission requirements include submission of a completed application form, requested transcripts, and possibly entrance scores. See section on Admissions and Procedures for details. With special permission, a student may take one semester as a non-degree seeking student without providing transcripts of high school or college work. Applications for non-degree seeking candidates are available from the Director of the McMurry-Dyess AFB Program in the Education Center on base. If any student desires to enroll in more coursework upon completion of one semester at McMurry, he or she must meet the requirements of regular admission, including the submission of all requested transcripts. Credit for courses taken at McMurry after completion of one semester at McMurry cannot be granted until the required transcripts and/or entrance exam scores are received and processed by the Admission and Registrar offices at McMurry. Military service school courses are evaluated and may be accepted for credit by McMurry University according to the recommendations of the American Council of Education's Guide to the Evaluation of Educational Experiences in the Armed Services (ACE Evaluation Guide), current edition. Anyone in the military services may request an unofficial evaluation of service credits from the Director. The Registrar will determine the applicability of the credit toward a degree program at McMurry University. Credit will be awarded upon successful completion of appropriate CLEP or subject examinations.

Any credits that are to be awarded by evaluation, CLEP, or examination will not be officially recognized by McMurry University until a minimum of 12 semester hours in residence at the main campus or McMurry-Dyess Air Force Base Program have been successfully completed. Requirements for the baccalaureate degree may not be met exclusively by the application of credits earned in this manner.

ACADEMIC/TUITION DEPLOYMENT POLICIES

McMurry is proud of its over half century partnership with Dyess Air Force Base. Through the years, a scholarship has been awarded to active duty members to assist with the cost of higher education. Military members attending college classes have, as their first priority, military responsibilities. These may include a short tour of duty (TDY), an unplanned deployment, or a transfer/change of station (PCS) before the semester ends. In recognition of this, below are policies which guide the University and the Dyess AFB Education Center when these duties interface with coursework. Military members, as students, are encouraged to identify themselves to the instructors on the first day of class and explain that there may be times that require their absence. This is particularly important if students know in advance of an upcoming military commitment. This gives both the instructor and student the opportunity to "work something out" if possible. Members who need to be out of class for a week or more are encouraged to speak with the instructors to make up the coursework. At times it may be feasible to do assignments in advance.

When a longer TDY or deployment is involved, the preferred choice is to finish the course, if at all possible. The logistics are between the instructor and student, and in some cases, involve the Director of the Program and/or a distant Education Center. Email, faxes, internet connection, mail to a Test Proctor, and the like are ways in which the coursework can be completed. Incomplete grades may be issued with the understanding that the remaining requirements be completed. (McMurry University permits an incomplete grade be changed within a month or extended by instructor. The Education Center allows an incomplete grade for only 120 days after official course date ends.) When it is not feasible to continue or complete the course before departure, the aim is to preserve the grade point average (GPA) and to rectify any monetary issues. Both of these matters can become problematic if proper procedures are not followed.

Dyess AFB Program/VA Program

Established dates for dropping a class for the semester are listed in the current catalog and are followed accordingly. These include the grade assignment of a Withdraw (W), Withdraw Passing (WP), and Withdraw Failing (WF). Also listed in the current catalog are the Withdrawal from the University and Refund Policies which are used as the guideline for tuition reimbursement. A copy of orders, if possible, and/or a memo signed by the First Sergeant or Commanding Officer citing the need for the withdrawal is required along with the correct form (drop or withdrawal) in order to be processed. The Program Director is the first point of contact, being most familiar with the policies. The Registrar is contacted in the absence of the Director. Once these procedures are followed, there should be no problem with the grade point average and the tuition reimbursement. McMurry University is grateful for our military students' service and is committed to assisting them in their academic endeavors.

TUITION ASSISTANCE PROGRAM

Tuition for active military personnel enrolled under the Armed Forces Tuition Assistance program will be as published in the Financial Assistance section of this catalog. Each student eligible for and utilizing tuition assistance (TA) from any of the military forces must submit an Air Force form 1227 or its equivalent form with each application for enrollment. TA Funds for eligible recipients are not released until 30 days prior to start date of classes. Students withdrawing from a class must secure an honorable dismissal from the Director of the McMurry-Dyess AFB Program before any refunds or adjustments can be made. No refunds are made to students who are dismissed from the University through disciplinary action. Fees other than tuition are non-refundable. The University refunds all tuition costs actually paid by the individual upon receipt of orders for permanent change of station provided he or she is attending under the Air Force Tuition Assistance program for that semester.

SPECIAL MILITARY RATE FOR ACTIVE DUTY MEMBERS USING TUITION ASSISTANCE (TA). See the Financial Assistance section of current catalog.

ATTENDANCE POLICIES

Normal attendance policies apply – please see Class Attendance section of this catalog. Absences should be kept to an absolute minimum. When unavoidable absences occur, particularly when related to military duties, it is the responsibility of the student to arrange for make-up work and communicate circumstances to faculty. The Director should be contacted if there are any difficulties. Faculty are requested to be cooperative and understanding in such situations.

Emergency Deployment - see section on Academic Programs/Withdrawal process from the University.

LIBRARY

The campus Library is available to McMurry-Dyess students. An enrolled student is encouraged to obtain an official university identification card for use in the Library, Academic Enrichment Center (AEC), and for cultural, athletic events, and various other campus facilities, and services.

SERVICEMEMBERS OPPORTUNITY COLLEGE

McMurry University has been designated as a Servicemembers Opportunity College (SOC) by the American Association of State Colleges and Universities. This program has many advantages for those on active duty/no longer on active duty, and for family members of military personnel. In order to qualify for consideration, a minimum of 30 credit hours in residence with McMurry must be met. It allows maximum flexibility in acquiring credit toward a degree and is designed to fit the educational needs of military personnel. In brief, students who are eligible to participate will be allowed to take courses at other schools in areas to which they have been transferred to complete degree requirements at McMurry. Details regarding this program may be obtained from the Director, McMurry-Dyess Air Force Base Program and/or the Registrar. The program itself is administered through the Registrar of McMurry University.

BLUE STREAK

The Blue Streak program is designed to assist active duty members to complete the general education courses component of Community College of the Air Force (CCAF) quickly. The five to seven academic general

education courses are offered on base in an abbreviated format (either 5^{1/2} or 8 weeks) each full semester (Fall, Spring). A few classes are offered during the summer sessions. Classes (3 credit hours) which satisfy CCAF General Education requirements include:

- **Oral Communication**
- **Written Communication**
- **Mathematics**
- **Social Science**
- **Humanities**
- **Management**

By offering the required classes each semester, a student can register at any point and take what is needed to complete the degree. To make the admission process easier students are designated as NON-DEGREE STUDENTS which allows them to take only the above classes. No school transcripts or test scores are required under this category. (Should a student choose to take additional coursework with McMurry University, formal admission procedures apply.)

Tuition Assistance (TA) will cover the tuition of the class. The student is responsible for the cost of the textbooks and supplies. The McMurry-Dyess AFB Program Director administers the program.

Veterans Administration Programs

McMurry University is approved to offer assistance to those students using the benefits of the Veterans Administration for educational purposes. All students using these benefits must contact the Veterans Certifying Official in the Registrar's Office on the campus of McMurry University and provide the appropriate documentation to be certified for benefits.

All students using VA benefits must complete an application for admission as a degree seeking student and are subject to application requirements as stated in the "Steps for Admission" section of this catalog. No student will be certified for benefits until all required documents are received by the Veterans Advisor. When a student fails to maintain prescribed standards of progress, the VA will be informed so that benefit payments can be discontinued in accordance with the law. Please refer to the "Minimum Academic Standards" section which follows. Regular class attendance is mandatory according to regulations specified by McMurry University and the Veterans Administration. Any student using VA benefits who has excessive absences will be dropped from the class. This action will be subsequently reported to the Veterans Administration.

Tutorial assistance is also available through the Veterans administration. For information, please contact the Veterans Advisor. Each individual attending McMurry University using his/her benefits is responsible for payment of tuition to McMurry University regardless of when or how he/she is paid by the Veterans Administration. For regulations concerning payment of accounts, please refer to the Payment of Accounts section. Students using VA benefits are subject to any disciplinary action outlined in the catalog.

Veterans receiving benefits under the Vocational Rehabilitation Program will need to have consulted with a vocational rehabilitation specialist employed by the Veterans Administration and have education approval prior to certification for benefits.

Yellow Ribbon Program

McMurry University is participating in the Yellow Ribbon Program, which is available to all Post 9/11 GI Bill recipients who are eligible at the 100% level.

Academic Standards for Students Receiving VA Benefits

A student who is receiving VA educational benefits must maintain a cumulative grade point average of 2.00 to be considered making satisfactory progress. Veterans will be placed on academic probation or suspension according to the policy stated in this catalog.

Intercollege Enrollment

A student enrolled at McMurry University may also enroll in courses at either Abilene Christian University or Hardin-Simmons University for the purpose of alleviating schedule conflicts. Courses taken through intercollege enrollment count toward degree requirements provided approval has been secured in advance from the student's academic advisor, Dean of School, Registrar's Office, and Business Office. Courses taken through intercollege enrollment are considered a part of a regular semester's work, and grades are averaged with courses taken at McMurry. Courses taken through intercollege enrollment are included in calculating eligibility for the Dean's List and the Dean's Honor Roll, as well as probation and suspension status. Students who enroll in the intercollege program assume responsibility for the charges incurred at participating institutions. Federal financial aid regulations dictate that no more than one-fourth of hours attempted may be completed at other than the home institution.

Study Abroad & Travel Courses

Study abroad offers a direct and exciting means to learn about other societies, cultures, and landscapes, both physical and spiritual. McMurry University regularly offers a variety of travel courses that provide study abroad experiences in shorter intervals. These courses are listed in the "Schedule of Courses" each semester. Financial aid is available for those who are eligible. For information on additional study abroad opportunities contact the Registrar.

ACADEMIC ADVANTAGE

*Ms. Bein, Director of Academic Enrichment
Assistant Professor Lopez
Instructors Bein, Dita, Laurence, Rieger, St Jean, Wemer*

Academic Advantage seeks to support university efforts in the education and development of the total student. Academic Advantage courses are designed to assist students in the life and learning transitions associated with college life. The primary focus is to advance student learning and provide support services for academics in order to help students meet the challenges of college. Each course is designed to respond to the individual differences and needs of our students enabling them to develop the academic skills and the personal responsibility necessary to be successful in their college years and beyond.

Placement

Students whose academic placement results indicate a need for pre-college development in reading, writing, and/or mathematics must register for and continually enroll in the corresponding developmental course(s) until it is passed with a grade of C- or better. Once students have met this requirement, they must enroll in the corresponding academic course(s). Courses numbered with a first digit of 0 are developmental and will not count towards any degree.

Courses Taught

ACAD 0300	Reading Improvement I
ACAD 0302	Reading Improvement II
ACAD 1100	Strategies for Learning
ACAD 1200	Freshman Seminar
ENGL 0110	Writing Mechanics
ENGL 0310	Introduction to Composition
MATH 0320	Introductory Algebra
MATH 0330	Intermediate Algebra

DEPARTMENTS OF INSTRUCTION

DEPARTMENT OF ART

Professor Walker-Millar
Associate Professor Oiler

Mission and Goals:

The successful McMurry University student who studies art develops conceptual and technical skills of artistic expression, creative problem-solving, artistic appreciation and historical perspectives. In the department's art production-oriented program, the student studies many different traditions of art making. The successful art student fully participates in classes, assignments, critiques and exhibitions resulting in a comprehensive knowledge of design, art media, expressive possibilities, creative solutions and professional practices.

A broad background of knowledge in the art forms of Western Civilization and non-European cultures as it relates to pluralistic contemporary world to enhance the education of art majors and other interested students. Students study art in the classroom and then examine it firsthand through field trips to galleries and museums; they are also afforded opportunities to study abroad. The successful senior student develops a resume/portfolio for campus wide presentation and in preparation for post-graduation endeavors.

The Bachelors of Fine Arts (BFA) student concentrates in multimedia and graphic design, or studio art. The BFA studio art graduate who excels attends graduate school or pursues a career in graphic design, illustration, museum education, art galleries, art education or establishes his or her own teaching or production studio.

The Bachelors of Art (BA) degree with a major in studio art is designed for students who wish to obtain a liberal arts degree with a major in studio art, multimedia and graphic design or all level art education; this degree requires a minor.

Special Programs and Opportunities:

Awards. Entering freshmen art students may apply for the Perry Bentley Art Scholarship in late February. Transfer students and current art majors may apply for other art scholarships in the spring. Recognition awards are presented to outstanding art students annually. The spring juried annual student art competition acknowledges artistic achievement. Students may apply in the spring for the work apprentice programs and studio space. Faculty assigns apprentices and studios based on productivity, grades, reliability, and participation in the art department.

Galleries. McMurry University's **Amy Graves Ryan Fine Arts Gallery** has an active exhibition schedule with area and national art shows, as well as student and faculty exhibits. BFA art majors have a senior exhibition of their work as part of their degree requirements. BA majors will have a group senior exhibition. Through the Brown Bag artists lecture series and artists workshops, students meet and study with exhibiting artists. The **Gypsy Ted Gallery** offers student exhibition and studio space, and offers shows to select area artists. This gallery is run by a student director.

Travel courses in Art. The Department of Art endeavors to offer art history and studio art travel courses annually. Classes travel to regionally, nationally and internationally significant art exhibitions and archeological sites related to students' courses of study.

Art Honor Society. Art students who have completed 12 semester hours and have a 3.0 average or above in art are eligible to be nominated by faculty to the Epsilon Theta Chapter of Kappa Pi International Collegiate Art Honorary Fraternity. Kappa Pi sponsors Homecoming and Christmas art sales, service projects and art related, educational and social activities.

Internships in Art. Art internships for junior and senior art majors, which occur in ART 3390, ART 4390, and MMAP 4388, give students meaningful practical experience by working in a gallery, museum or commercial setting to see

how the theoretical concepts of art are put into practice. Students have interned at the Abilene Reporter News, Center of Contemporary Art, Zachry Associates, Grace Museum, National Center for Children's Illustrated Literature, and other art career related businesses.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Facilities. The Art Department has a superior ceramic facility. The Noel and Anita Chapin building built in 2000, houses 14 potters wheels, a slab roller, four electric kilns, three gas kilns (Raku and highfire), clay mixing room, faculty studios, glaze mixing room, and large work spaces. The computer lab has 14 Macintosh computers. The painting, drawing and design rooms have northern lighting. There are two photography darkrooms and a jewelry design lab. Advanced productive art majors who add to the positive climate in the art department may apply for studio space in the spring semester for the following fall semester.

Courses Taught in the Art Department:

ARTS 1300	Exploring the Visual Arts
ARTS 1310	Element of Design
ARTS 1313	Basic Pottery
ARTS 2300	Fundamentals of Drawing
ARTS 2301	Art History I
ARTS 2302	Art History II
ARTS 2304	Creative Drawing
ARTS 2310	Painting I
ARTS 2314	Techniques in Handbuilding
ARTS 2321	Three-Dimensional Design
ARTS 2323	Fundamentals of Photography
ARTS 2330	Beginning Digital Photography
ARTS 3310	Life Drawing I
ARTS 3313	Techniques in Wheel Throwing
ARTS 3315	Ceramic Sculpture
ARTS 3320	Life Drawing II
ARTS 3321	Painting II; Still Life Painting
ARTS 3322	Modern Art History
ARTS 3323	Non-European Art
ARTS 3328	Advanced Photography
ARTS 3330	Computer Graphics Design
ARTS 3334	Desktop Publishing
ARTS 3336	Special Topics in Graphic Design
ARTS 3340	Painting III Advanced Painting
ARTS 3360	Secondary School Art
ARTS 3370	Elementary School Art
ARTS 3390	Gallery Practices
ARTS 3391	Jewelry Design
ARTS 4313	Clay and Glaze Calculation and Kilnbuilding
ARTS 4335	Painting IV Special Topics
ARTS 4390	Professional Practices/Internship
ARTS 4X95	Independent Studies
ARTS 4X96H	Honors Tutorial
ARTS 4X97H	Honors Thesis
ARTS 4X99	Special Topics
MMAP 2310	Introduction to Multimedia Applications
MMAP 2340	Introduction to Digital Animation
MMAP 3310	Digital Video Capture and Editing
MMAP 3320	HTML and Web Design
MMAP 4388	Internship in Multimedia Applications

BACHELOR OF ARTS STUDIO ART

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN STUDIO ART

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313, FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN STUDIO ART (3 hours may also meet general education requirements)	
<u>STUDIO ART</u>	HOURS
ARTS 1300	3
ARTS 1310	3
ARTS 1313	3
ARTS 2310	3
Select 3 hrs from ARTS 2323, 3330	3
Select 3 hrs from ARTS 3390, 4390	3
Select 3 hrs from ARTS 2300, 2304, 3310, 3320	3
Select 6 hrs from ARTS 2301, 2302, 3322, 3323	6
Select 15 hrs (12 hrs or more advanced) Students are highly encouraged to take advanced courses in one media. (Painting, Ceramics, Computer Graphics, or Photography)	15
TOTAL HOURS	42

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS MULTIMEDIA AND GRAPHIC DESIGN

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS	MAJOR IN MULTIMEDIA AND GRAPHIC DESIGN (3 hours may also meet general education requirements)	
		<u>MULTIMEDIA AND GRAPHIC DESIGN</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3	ARTS 1300 ARTS 1310 MMAP 2310 ARTS 3330 ARTS 4390	3 3 3 3 3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3	Select 3 hrs from ARTS 2300, 2304	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3	Select 6 hrs from ARTS 2301, 2302, 3322, 3323	6
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3	Select 15 hours (12 hrs or more advanced) ARTS 3328, 3334, 3336 MMAP 2340, MMAP/THRE 3310, MMAP 3320 MMAP 4388	15
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350 MATH 2315, PHIL 2350, 2360	3	TOTAL HOURS	39
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3	Suggested Electives for the Multimedia and Graphic design Major (these courses are recommended but not required) ENGL 4374 Writing for Newspapers and Magazines ENGL 4375 Writing for Television and Radio MKTG 3380 (permission of instructor required) Marketing Promotions	
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313, FNAR 2310, MULH 2301, THRE 1300	3	FOREIGN LANGUAGE REQUIREMENT: This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.	
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330 HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360 SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2		
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4		
TOTAL HOURS	39		

BACHELOR OF ARTS ART EDUCATION

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN ART EDUCATION
All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN ART EDUCATION (3 hours may also meet general education requirements)		
<u>ART EDUCATION</u>	HOURS	COMPLETED
ARTS 1300	3	
ARTS 1310	3	
ARTS 1313	3	
ARTS 2301	3	
ARTS 2302	3	
ARTS 2310	3	
ARTS 2323	3	
ARTS 3360	3	
ARTS 3370	3	
Select 3 hrs from ARTS 2300, 2304	3	
Select 3 hrs from ARTS 3390, 4390	3	
Select 3 hrs from ARTS 3322, 3323	3	
Select 9 advanced hrs from Art Electives	9	
SUPPORTING COURSES		
Select 3 hrs from ARTS 3330 COSC 1305 MMAP 2310	3	
TOTAL HOURS	48	

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF FINE ARTS STUDIO ART

THIS DEGREE INCLUDES A MINOR IN ARTS ADMINISTRATION

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS	MAJOR IN FINE ART STUDIO ARTS (3 hours may also meet general education requirements)	
		<u>FINE ART STUDIO ARTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3	ARTS 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3	ARTS 1310	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3	ARTS 1313	3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3	ARTS 2300	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3	ARTS 2301	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3	ARTS 2302	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3	ARTS 2304	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2	ARTS 2310	3
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4	ARTS 2321	3
TOTAL HOURS	39	ARTS 3310	3
		ARTS 3322	3
		ARTS 3323	3
		ARTS 3390	3
		ARTS 4390	3
		Select 3 hrs from ARTS 3360, 3370	3
		Select 3 hrs from ARTS 2323, 3330, MMA 2310	3
		Select 12 hours advanced ARTS electives Students are highly encouraged to take advanced courses in one media. (Painting, Ceramics, Computer Graphics, or Photography)	12
		Select 3 hrs from ENGL 3315, 3316, 3385, 4374, 4375	3
		Select 3 hrs from MGMT 3350, BUSI 1310, MKTG 3370, THRE 3325	3
		TOTAL HOURS	66

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF FINE ARTS MULTIMEDIA AND GRAPHIC DESIGN

THIS DEGREE INCLUDES A MINOR IN ARTS ADMINISTRATION

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN FINE ART MULTIMEDIA AND GRAPHIC DESIGN (3 hours may also meet general education requirements)	
<u>FINE ART MULTIMEDIA AND GRAPHIC DESIGN</u>	HOURS
ARTS 1300	3
ARTS 1310	3
ARTS 2300	3
ARTS 2301	3
ARTS 2302	3
ARTS 2304	3
ARTS 2310	3
ARTS 3330	3
MMAP 2310	3
ARTS 3310	3
ARTS 3322	3
ARTS 3323	3
ARTS 4390	3
Select 15 hours (12 hrs or more advanced) ARTS 2323, 3328, 3334, 3336 MMAP 2340, 3320, MMAP/THRE 3310 MMAP 4388	15
Select 6 hrs from ARTS 3360, 3370, 3390	6
Select 3 hrs from ENGL 3385, 4374, 4375	3
Select 3 hrs from MGMT 3350, BUSI 1310, MKTG 3370, THRE 3325	3
TOTAL HOURS	66

<p>FOREIGN LANGUAGE REQUIREMENT: This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.</p>
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ART DEPARTMENT MINORS

MINOR IN ART (Not available for Studio ARTS or Graphic Design majors)	
<u>COURSE</u>	HOURS
ARTS 1300	3
ARTS 1310	3
Select 3 hrs from ARTS 1313, 2310, 2323	3
Select 3 hrs from ARTS 2300, 2304	3
Select 9 hrs from ARTS Electives	9
TOTAL HOURS	21

MINOR IN MULTIMEDIA APPLICATIONS (Not available for Studio ARTS or Graphic Design majors) (Not available for Technology Applications Teaching Field)	
<u>COURSE</u>	HOURS
ARTS 1310	3
ARTS 3330 (or other Graphic Design course)	3
MMAP 2310	3
MMAP 2340	3
MMAP 3310	3
MMAP 3320	3
MMAP 4388	3
TOTAL HOURS	21

MINOR IN ARTS ADMINISTRATION (Not available for Studio ARTS or Graphic Design majors)	
<u>COURSE</u>	HOURS
ARTS 3390	3
Select 6 hrs from ARTS 2301, 2302, 3322, 3323	6
Select 3 hrs from ARTS 3330, MMAP 2310, 3310	3
Select 3 hrs from ARTS 3360, 3370	3
Select 3 hrs from ENG 3385, 4374, 4375	3
Select 3 hrs from MGMT 3350, BA 1310, MKTG 3370, THRE 3325	3
TOTAL HOURS	21

DEPARTMENT OF BIOLOGY

Professor Wilson Department Chair
 Professors Benoit, Saghatelian
 Associate Professors Brant, Sharp
 Assistant Professors Boyle, Lee

The Department of Biology offers majors focusing on the study of life. Each program offered consists of biology coursework and supporting courses from chemistry, physics, and mathematics. Majors offered are the BS in Biology, BS in Life Sciences, and the BS in Biomedical Science. Though the majors differ in their focus and content, each supports the mission and goals for the department.

Additionally, the department contributes to the general education of McMurry students and provides service courses for other programs. In these courses, the Department of Biology demonstrates its commitment to high quality life science instruction for all students.

The department also is the administrative unit overseeing the program and courses in Geography and Geosciences. The descriptions for these courses are located on page 95 of the catalog. These courses are offered in support of the general education requirements and of other programs in the curriculum.

Department of Biology Mission and Goals:

The Mission and Goals of the Department of Biology are to produce graduates who:

1. understand fundamental biological principles and processes;
2. possess the technical and communication skills needed for successful careers;
3. are equipped through experiences for lives of leadership and success.

The department's Mission and Goals fully support and agree with the Mission and Institutional Goals of McMurry University as listed below.

- Students acquire an education shaped by Christian values*;
- Students are equipped for successful careers and post-graduate education;
- Students acquire an enthusiasm for lifelong learning through expanded intellectual and cultural experiences.

**Christian values are reflected in the manner in which courses are taught, in support of the McMurry Mission Statement where it is stated that "...truth, in a universe created by God, is nothing to fear. We honor the Creator when we use our minds for their intended purpose of learning in ways unhindered by prejudice or ignorance."*

The Department of Biology also supports McMurry's institutional goal that "The institution will engage in an ongoing pursuit of excellence in curricula, programs, and policies." The Department engages in ongoing efforts to make sure its students are learning and that its programs are performing to the highest standards of excellence by a) conducting rigorous, annual assessments of student learning and b) implementing evidence-based improvements to its programs when needed. All faculty in the department contribute to these efforts for the benefit of its students and majors.

Programs of the Department of Biology

Bachelor of Science in Biology Degree

The B.S. in Biology major is the field-based, ecologically-focused degree that provides the knowledge and skills for understanding the diverse world of wildlife and nature for students seeking environmentally and ecologically focused careers, pursuit of training in veterinary medicine, or further education in a life science field. The focus is on animals, plants, ecology, and environment, with an emphasis on field study skills. All graduates complete an internship or conduct original research as part of their education.

Bachelor of Science in Biomedical Science Degree

The B.S. in Biomedical Science degree provides a deep and practical knowledge of contemporary biology for students interested in careers as researchers, health professionals, science educators, and laboratory personnel. The focus is on molecules, cells, microbes, and human biology and health. The curriculum is research-rich and skills-laden. All graduates complete an internship or conduct original research as part of their education.

Bachelor of Science in Life Sciences Degree

The B.S. in Life Sciences degree provides a broad exposure to life in all its forms for students with an interest in all facets of biology. The curriculum features strong human, animal, plant, microbe, molecular, genetic, physiology, and ecology components. This is the preferred degree for future biology teachers when obtained in conjunction with a minor in Curriculum & Instruction. All graduates complete an internship or conduct original research as part of their education.

Special Programs and Opportunities:

Pi Beta Chapter of Beta Beta Beta Biological Honor Society. The purposes of this organization are to promote scholarship, biological research, and dissemination of scientific knowledge.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Departmental Awards. Each spring, awards are presented to the outstanding freshman, sophomore, junior, and senior Biology, Biomedical Science, and Life Sciences majors.

Beasley and Bloomer Research Stipends. Two special programs provide financial support to undergraduate students doing research at McMurry. The Clark Beasley Summer Research stipend is a competitive award providing funding for Biology, Biomedical Science, and Life Sciences students to participate in summer research with a Biology faculty member. The Charles and Lisa Bloomer Research Stipend is a competitive award providing funding for any major from the School of Natural and Computational Sciences to support undergraduate research with a sponsoring faculty member during the fall/spring academic year. Both programs are administered by the Science and Mathematics Advisory Board.

Travel courses in Biology. The Department attempts to offer a travel course (BIOL 4340) or travel opportunity each year. Additionally, many field biology courses feature field trips.

Undergraduate Research. Biology, Biomedical Science, and Life Sciences majors often participate in research within their normal courses. Additional involvement in research is available for students wanting to join the ongoing work of faculty. Summer research is also encouraged either at McMurry or other institutions. All majors must fulfill a senior capstone project requirement, which typically consists of research conducted under the supervision of a faculty member.

Courses Taught in the Biology Department:

BIOL 1301	Biology of Unicellular Organisms
BIOL 1401	Principles of Biology
BIOL 1402	Biology of Plants
BIOL 1403	Biology of Animals
BIOL 2110	Environmental Seminar
BIOL 2401	Anatomy and Physiology I
BIOL 2402	Anatomy and Physiology II
BIOL 3330	Biogeography
BIOL 3403	Foundations of Microbiology
BIOL 3440	Comparative Anatomy
BIOL 3460	Genetics
BIOL 4101	Biological Literature
BIOL 4201	BIOL Capstone Experience
BIOL 4340	Biology Field Studies
BIOL 4360	Evolution
BIOL 4430	Ecology
BIOL 4450	Advanced Botany
BIOL 4X88	Biology Internship
BIOL 4X91	Advanced Topics in Botany

BIOL 4X92	Advanced Topics in Zoology
BIOL 4X95	Independent Studies
BIOL 4X96H	Biology Honors Tutorial
BIOL 4X97H	Biology Honors Research
BIOL XX99	Special Topics
BIMS 1101	Biology of Unicellular Organisms Lab
BIMS 1300	Introduction to Scientific Research
BIMS 2105	Medical Terminology I
BIMS 3205	Medical Terminology II
BIMS 3410	Microbiology
BIMS 3430	Human Physiology
BIMS 4000	Junior Exam
BIMS 4120	Molecular and Cellular Biology Laboratory
BIMS 4201	BIMS Capstone Experience
BIMS 4320	Molecular and Cellular Biology
BIMS 4X91	Advanced Topics in Microbiology
BIMS 4X92	Advanced Topics in Molecular Biology and Genetics

BACHELOR OF SCIENCE BIOLOGY

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN BIOLOGY

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN BIOLOGY (4-8 hours may also meet general education requirements)	
<u>BIOLOGY</u>	HOURS
BIOL 1301	3
BIOL 1402	4
BIOL 1403	4
BIOL 2110	1
BIOL 3440	4
BIOL 3460	4
BIOL 4430	4
BIOL 4450	4
Select 3 hrs from BIOL 4201 AND BIOL 4101 OR BIOL 4388 OR BIOL 4397H	3
Select 9 hrs from BIOL 4340, 4360, 4X91, 4X92	9
SUB TOTAL HOURS	40
SUPPORTING COURSES	
CHEM 1410	4
CHEM 1420	4
PHYS 1410	4
GEOS 1410	4
BIOL 3330	3
Select 3-4 hrs from MATH 2421, 3351	3-4
Select 8 hrs from CHEM 3410 AND CHEM 3420 OR CHEM 3440, GEOS 3210, GEOS 3220	4 4
TOTAL HOURS	70-71

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE BIOMEDICAL SCIENCE

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN BIOMEDICAL SCIENCE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN BIOMEDICAL SCIENCE (3-11 hours may also meet general education requirements)	
<u>BIOMEDICAL SCIENCE</u>	HOURS
BIMS 1300	3
BIOL 1301	3
BIMS 1101	1
BIMS 3410	4
BIMS 3430	4
BIOL 3460	4
BIMS 4000	0
BIMS 4320	3
BIMS 4120	1
Select 3 hrs from BIMS 4201 AND BIOL 4101 OR BIOL 4388 OR BIOL 4397H	3
Select 5 hrs from BIMS 4X91, 4X92	5
Select 9 hrs from BIOL or BIMS Any advanced course, KINE 3307, CHEM 3441, 3442, PSYC 4341, NURS 3410	9
SUBTOTAL HOURS	40
SUPPORTING COURSES	
CHEM 1410	4
CHEM 1420	4
CHEM 3410	4
CHEM 3420	4
PHYS 1410	4
PHYS 1420	4
Select 3-4 hrs from MATH 2421, 3351	3-4
TOTAL HOURS	67-68

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE LIFE SCIENCE

A MINOR IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN LIFE SCIENCE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

GENERAL EDUCATION REQUIREMENTS	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN LIFE SCIENCE (4-8 hours may also meet general education requirements)	
LIFE SCIENCE	HOURS
BIOL 1301	3
BIOL 1402	4
BIOL 1403	4
BIOL 3403	4
BIOL 3460	4
BIOL 4430	4
Select 3 hrs from BIOL 4201 AND BIOL 4101 OR BIOL 4388 OR BIOL 4397H	3
Select 8 hrs from BIOL 2401 and BIOL 2402 OR BIOL 3440 and BIMS 3430	8
Select 6 hrs from BIOL or BIMS Any advanced course	6
SUBTOTAL HOURS	40
SUPPORTING COURSES	
Select 8 hrs from CHEM 1405 and CHEM 1406 OR CHEM 1410 and CHEM 1420	8
Select 4 hrs from PHYS 1400, 1401, 1410	4
Select 3-4 hrs from MATH 2421, 3351	3-4
TOTAL HOURS	55-56

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

**BACHELOR OF SCIENCE
LIFE SCIENCE GRADES 8-12**

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR TEACHER CERTIFICATION IN LIFE SCIENCE GRADES 8-12
All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN LIFE SCIENCE GRADES 8-12 (4-8 hours may also meet general education requirements)	
<u>LIFE SCIENCE GRADES 8-12</u>	HOURS
BIOL 1301	3
BIOL 1402	4
BIOL 1403	4
BIOL 3403	4
BIOL 3460	4
BIOL 4430	4
Select 3 hrs from BIOL 4201 AND BIOL 4101 OR BIOL 4388 OR BIOL 4397H	3
Select 8 hrs from BIOL 2401 and BIOL 2402 OR BIOL 3440 and BIMS 3430	8
Select 6 hrs from BIOL or BIMS Any advanced Course	6
SUBTOTAL HOURS	40
SUPPORTING COURSES	
Select 8 hrs from CHEM 1405 and CHEM 1406 OR CHEM 1410 and CHEM 1420	8
Select 4 hrs from PHYS 1400, 1401, 1410	4
Select 3-4 hrs from MATH 2421, 3351	3-4
TOTAL HOURS	55-56

FOREIGN LANGUAGE REQUIREMENT:
8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CI courses in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

BIOLOGY DEPARTMENT MINORS

MINOR IN BIOLOGY	
(Not available for Biology majors or Life Science majors)	
<u>COURSE</u>	HOURS
BIOL 1301	3
BIOL 1402	4
BIOL 1403	4
Select 8 hrs from Advanced Biology or Biomedical Science Electives	8
TOTAL HOURS	19

ALLIED HEALTH	
(Not available for Life Science majors)	
<u>COURSE</u>	HOURS
BIOL 2401	4
BIOL 2402	4
Select 8 hrs from (CHEM 1405 & 1406) or (CHEM 1410 & 1420)	8
Select 6 hrs from BIOL 3403 BIOL 3430 KINE 3307 KINE 3321 KINE 3331 NURS 3410 MATH 3351	6
TOTAL HOURS	22

SCHOOL OF BUSINESS

Associate Professor Long, Dean of School of Business

Professor Lapoint

Associate Professor Richardson

Assistant Professors Liprie-Spence, Wick

Instructors Starbuck, Watson

McMurry University School of Business Mission Statement

The Mission and Goals of the School of Business are to produce graduates who:

1. have a foundation knowledge of core business disciplines;
2. have the requisite communication and technical skills for success in their area of business concentration
3. are well-prepared for post-graduate study and employment in a changing business environment.

The Mission and Goals of the School of Business support and agree with the following Institutional Goals of McMurry University:

- Students acquire an education shaped by Christian values;
- Students acquire the knowledge and skills necessary for success in the professional workplace or post-baccalaureate education
- Students acquire an enthusiasm for lifelong learning through expanded intellectual and cultural horizons.

The School of Business offers courses leading to the Bachelor of Business Administration degree and the Bachelor of Science in Accounting degree.

The student who is a candidate for the Bachelor of Business Administration degree may concentrate his/her work in one or more of the following seven areas: Accounting, Computer Information Systems, Finance, General Business, Heritage and Cultural Tourism, Management, and Marketing. Students may choose to complete a dual concentration in the Bachelor of Business Administration degree. Courses completed for credit in one concentration may not be used for credit in a second concentration. With the exception of the Heritage and Cultural Tourism concentration, a minor is not required of the candidate for the Bachelor of Business Administration degree or the Bachelor of Science in Accounting degree. The Bachelor of Science in Multidisciplinary Studies degree with teaching field in Business Education is also offered, in cooperation with the School of Education.

For the Bachelor of Business Administration degree, the student must complete the following:

1. General Education Requirements. (To include a minimum of three hours of mathematics with a grade of "C-" or better, and English 1310 and 1320 with a grade of "C-" or better.)
2. The Business Core Course Requirement. (No grade of less than "C" is acceptable in the business core requirements.)
3. An area of concentration within the business field. (No grade of less than "C" is acceptable in the area of concentration. No course may be counted in both the area of concentration and the Business Core Course Requirement.)
4. Sufficient hours of electives to meet all University requirements.

In addition to the BBA the student may choose an honors curriculum. Admission requires completion of 60 hours of college credit and of a GPA of at least 3.5 in ACCT 2310; ECON 2310, 2320; and BA 1310, with a GPA of 3.25 in all other college work. Students must complete seven hours of honors courses in Business, including BA 4X96* (Honors Tutorial) and BA 4X97* (Honors Thesis). Departmental honors will be obtained in the student's area of business concentration.

Business Honors Courses (BUSI)

4X96H Honors Tutorial (Variable Credit)

An in-depth study, which may be related to an upper-level business course, taken with concurrent enrollment, or after successful completion of the course. The Honors Tutorial may be repeated for credit, not to exceed 4 hours of combined credit. Honors students should complete the Honors Tutorial the semester prior to the Honors Thesis, BA 4X97.

4X97H Honors Thesis (Variable Credit)

This course represents the senior project for honors students in the School of Business. Following completion of the Honors Tutorial, the student will design, execute and present orally, and in writing, a research project which explores an issue or concept in Business.

H Honors Course

In all concentration areas in the Bachelor of Business Administration degree program, a minimum of three hours of mathematics, with a grade of "C-" or better is required. Students may meet this requirement by completing Math 1311, or any other three hours of course work in the Department of Mathematics, excluding Math 1315, approved by the Dean of the School of Business. The student is urged to fulfill this requirement as early in the first two years of study as possible.

NOTE: Prior to enrollment in any 4000 level course offered in the School of Business, the student must have completed all 1000, 2000, and 3000 level courses listed in the Business Core Course Requirement. Course prerequisites may be waived by permission of the Instructor and the Dean of the School of Business.

RECOMMENDED ELECTIVES FROM THE SCHOOL OF BUSINESS

Students with majors and minors outside the School of Business may wish to take business area courses as electives. The following courses are of general interest and have no prerequisites: ACCT 2310, BUSI 1310, 3350, 4370, 4385, ECON 2310, 2320, FINC 3330, MGMT 3310, MKTG 3370.

ONLINE-COURSES

Some courses in the School of Business may be offered in an online format. Courses may also be available on an alternative schedule, such as a mini term. Students should consult the appropriate Schedule to determine if courses are being offered online or on alternative schedules, and for other course requirements.

SCHOOL OF BUSINESS INTERNSHIP PROGRAM

Accounting	4X88	Accounting Internship
COIS	4X88	Computer Information Systems Internship
Finance	4X88	Finance Internship
Management	4X88	Management Internship
Marketing	4X88	Marketing Internship

4X88

Internship(variable credit) A pre-approved and supervised work experience designed to supplement academic training. Credit may be granted for one, two, or three semester hours. A student completing a dual concentration could be eligible for an internship in each concentration; however, a separate internship work experience would be required for each concentration. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

TOUR 4388

Heritage Tourism Internship (3-0) Required for Heritage and Cultural Tourism concentration. The course will focus on the broad theories and practices of the heritage tourism profession. Topics will include, but are not limited to: Destination management; Destination development; Historic attraction management; Site Interpretation and development; Event management; Sustainable tourism; Regional tourism and destination marketing; and Partner marketing and sponsorships. (By arrangement)

To enroll in the Internship Program the student must be in good academic standing with the university and have completed 60 hours toward their undergraduate degree. Some positions may require specific skills and may require completion of certain courses. It should be noted that individual employers may have their own explicit requirements such as minimum GPA which is above what is required by the university, specific course work completed, and/or a classification of senior.

Business

Academic credit is given for the internship plan of study through courses numbered 4X88 where X equals the number of credit hours taken (1, 2, or 3). The student will work with the Director of Business Internships in completing a learning contract that documents the plan of study for each individual student. Once enrolled in a 4X88 course in the appropriate concentration the student is required to work approximately 120-150 hours to receive 3 credit hours, 90-120 for two credit hours, and 60-90 for one credit hour.

Applications are available through the office of the School of Business, or the Director of Business Internships. The completed application should be delivered to the Director of Business Internships.

Courses Taught in the School of Business

ACCT 2310
ACCT 3303
ACCT 3305
ACCT 3307
ACCT 3311
ACCT 3312
ACCT 3330
ACCT 3370
ACCT 4360
ACCT 4365
ACCT 4370
ACCT 4371
ACCT 4X88
ACCT 4390
ACCT 4X95
ACCT XX99

Financial Accounting
Accounting Systems
Managerial Accounting
Fund Accounting
Intermediate Accounting I
Intermediate Accounting II
Cost Accounting
Introduction to Taxation
Advanced Topics in Taxation
Federal Tax Research
Topics in Advanced Accounting
Advanced Accounting
Accounting Internship
Auditing Theory and Practice
Independent Studies
Special Topics

BUSI 1310
BUSI 3310
BUSI 3350
BUSI 3370
BUSI 3371
BUSI 4370
BUSI 4380
BUSI 4385
BUSI 4390

BUSI 4X95
BUSI XX99

Contemporary Business
Integrated Business Writing
Entrepreneurship
Business Statistics
Decision Sciences for Business
Business Law
Commercial Law
Ethics in Business and Society
Strategic Management: Strategy and Decision Making
Independent Studies
Special Topics

COIS 1315
COIS 2350
COIS 3311
COIS 3320
COIS 3380
COIS 4350
COIS 4X88
COIS 4X95
COIS XX99

Computer Fluency
Applications Programming
Database Management Systems
Internet Programming
Management Information Systems
Systems Analysis and Design
Computer Information Systems Internship
Independent Studies
Special Topics

ECON 2310
ECON 2320

Principles of Macroeconomics
Principles of Microeconomics

FINC 3330
FINC 3340
FINC 3350
FINC 3370
FINC 4320
FINC 4340
FINC 4345
FINC 4346
FINC 4X88
FINC 4X95
FINC XX99

Personal Finance
Business Finance
Money and Banking
Investments
Advanced Seminar in Finance
International Financial Markets
Student Managed Investment Fund I
Student Managed Investment Fund II
Finance Internship
Independent Studies
Special Topics

MGMT 3310
MGMT 3370
MGMT 3390
MGMT 4310
MGMT 4330
MGMT 4370

Principles of Management
Operations Management
Human Resources Management
Managing for Quality
Organizational Behavior / Interpersonal Relations
Marketing Management

MGMT 4X88
MGMT 4X95
MGMT XX99

Management Internship
Independent Studies
Special Topics

MKTG 3370
MKTG 3380
MKTG 4320
MKTG 4325
MKTG 4350
MKTG 4370
MKTG 4380
MKTG 4X88
MKTG 4X95
MKTG XX99

Principles of Marketing
Marketing Promotions
Marketing Channels
Professional Selling Techniques
Consumer Behavior
Marketing Management
Marketing Research
Marketing Internship
Independent Studies
Special Topics

TOUR 3340
TOUR 4388

Heritage Tourism
Heritage Tourism Internship

BACHELOR OF BUSINESS ADMINISTRATION

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

GENERAL EDUCATION REQUIREMENTS	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs)** Select 3 hrs from MATH 1311, 1312, 1320, 2421, 2322	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310** ENGL 1320**	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

BUSINESS CORE	HOURS
<i>A grade of "C" or better required for all courses in Business core</i>	
(3 hours may also meet general education requirements)	
BUSI 1310	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
ACCT 2310	3
ACCT upper level course*	3
*If conc. is Finance ACCT 3311, if Mgmt ACCT 3305	
BUSI 3370	3
MGMT 3310	3
MKTG 3370	3
FINC 3340	3
BUSI 4370	3
BUSI 4385	3
BUSI 4390	3
TOTAL HOURS	39
Supporting Courses COIS 1315	3
SELECT ONE CONCENTRATION SEE NEXT PAGE	

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

**Course to be completed with a grade of C- or better

BUSINESS ADMINISTRATION CONCENTRATIONS

(A grade of "C" or better is required for all courses in the Business Administration Concentrations)

<u>ACCOUNTING</u>	HOURS
ACCT 3303	3
ACCT 3311	3
ACCT 3312	3
ACCT 3330	3
ACCT 3370	3
ACCT 4371	3
ACCT 4390	3
Select 3 hrs from ACCT 3307, 4360, 4365, 4370, 4388	3
TOTAL HOURS	24
BA 4380 Commercial Law is recommended. Students planning to take the CPA exam should complete at least 30 upper division hours in Accounting, and Integrated Business Writing.	

<u>COMPUTER INFORMATION SYSTEMS</u>	HOURS
COSC 1325	3
COIS 2350	3
COIS 3311	3
COIS 3320	3
COSC 3330	3
COIS 4350	3
Select 3 hrs from Any advanced course from CIS, COSC, IT, or ACCT 3303	3
TOTAL HOURS	21

<u>FINANCE</u>	HOURS
FINC 3350	3
FINC 3370	3
FINC 4340	3
ACCT 3312	3
Select 3 hrs from FINC 4320, 4345*	3
Select 3 hrs from BUSI 3371, FINC 4346*, 4388	3
TOTAL HOURS	18
*Enrollment in Student Managed Investment Fund courses requires permission through an application process.	

<u>GENERAL BUSINESS</u>	HOURS
GENERAL BUSINESS: Select 18 hrs from Advanced courses (3000/4000 level) offered by School of Business	18
TOTAL HOURS	18

<u>HERITAGE AND CULTURAL TOURISM</u> This concentration requires a minor in History	HOURS
MKTG 3380	3
MKTG 4350	3
MKTG 4380	3
TOUR 3340	3
TOUR 4388	3
Select 3 hrs from MGMT 3370, BA 3350	3
SUBTOTAL HOURS	18
<u>MINOR IN HISTORY</u>	
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
Select 6 hrs from Advanced HIST electives	6
TOTAL HOURS	36

<u>MANAGEMENT</u>	HOURS
MGMT 3370	3
MGMT 3390	3
MGMT 4310	3
MGMT 4330	3
Select 6 hrs from ACCT 3303, 3330, 3370 BUSI 3350, 3371, 4380 FINC 3*, 4* MKTG 3*, 4* MGMT4388	6
*Student can choose any 3000-4000 level course	
TOTAL HOURS	18

<u>MARKETING</u>	HOURS
MKTG 3380	3
MKTG 4350	3
MKTG 4380	3
Select 9 hrs from Any Advanced Marketing course, BUSI 3371, MMAP 2310, 3310**, 3320** Suggested prerequisites **MMAP 2310	9
TOTAL HOURS	18

BACHELOR OF SCIENCE ACCOUNTING

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN ACCOUNTING

The Bachelor of Science Degree in Accounting requires 150 hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

GENERAL EDUCATION REQUIREMENTS	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs)** Select 3 hrs from MATH 1311, 1312, 1320, 2421, 2322	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310** ENGL 1320**	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

BUSINESS CORE	HOURS
<i>A grade of "C" or better is required for all courses in the Business Core</i>	
(3 hours may also meet general education requirements)	
BUSI1310	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
ACCT 2310	3
BUSI 3370	3
BUSI 3371	3
BUSI 3310	3
BUSI 4370	3
BUSI 4380	3
BUSI 4385	3
BUSI 4390	3
FINC 3340	3
MGMT 3310	3
MKTG 3370	3
CORE HOURS	45
ACCOUNTING	HOURS
<i>A grade of "C" or better is required for all courses listed below</i>	
ACCT 3303	3
ACCT 3311	3
ACCT 3312	3
ACCT 3330	3
ACCT 3370	3
ACCT 4371	3
ACCT 4390	3
Select 9 hrs from ACCT 3307, 4360, 4365, 4370, 4388	9
SUBTOTAL HOURS	75
SUPPORTING COURSES	
Supporting Courses COIS 1315	3
Select 6 hrs from FINC 3330, FINC 3370, MGMT 3370, SOC 3375	6
TOTAL HOURS	84

This degree requires 150 total hours

**Course to be completed with a grade of C- or better

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

SCHOOL OF BUSINESS MINORS

MINOR IN BUSINESS ADMINISTRATION	
<u>COURSE</u>	HOURS
ACCT 2310	3
ECON 2310	3
MGMT 3310	3
MKTG 3370	3
Select 6 hrs from Advanced (3000/4000 level) courses in School of Business	6
TOTAL HOURS	18

MINOR IN BUSINESS COMPUTER INFORMATION SYSTEMS (Not available for COSC and IT Majors)	
<u>COURSE</u>	HOURS
COIS 1315	3
COSC 1325	3
COIS 2350	3
COIS 3311	3
COIS 3320	3
COSC 3330	3
COIS 4350	3
TOTAL HOURS	21

MINOR IN HERITAGE AND CULTURAL TOURISM (Not available for concentration in Heritage and Cultural Tourism)	
<u>COURSE</u>	HOURS
ACCT 2310	3
MGMT 3310	3
MKTG 3370	3
TOUR 3340	3
TOUR 4388	3
Select 3 hours from MKTG 3380, 4350, 4380, BUSI 3350	3
TOTAL HOURS	18

DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

Associate Professor Pyenta Department Chair
Professor Veltkamp
Associate Professors Donnay, Shin

Mission

The mission of the Department of Chemistry and Biochemistry is to:

1. educate all students taking a course in this department about the role of chemistry in the world and society,
2. provide science majors the course and laboratory work necessary for them to become competent in the application of chemistry to their chosen fields of study,
3. prepare chemistry and biochemistry majors to gain entry into graduate or professional school, or to obtain an entry-level position in a chemically-related job, and
4. stimulate faculty members toward continued intellectual development.

Student Outcomes

Successful students will be able to (at a level appropriate to the course):

1. recognize the role of chemistry and biochemistry in the world and society,
2. articulate the major principles of chemistry and biochemistry,
3. use the tools of chemistry,
4. demonstrate their problem-solving skills,
5. evaluate and use chemical information, and
6. communicate chemical information in a manner appropriate for the intended audience.

Special Programs and Opportunities:

Student Affiliate Chapter of the American Chemical

Society. The ACS student affiliate chapter is open to students interested in chemistry. The purpose of the organization is to stimulate a professional interest in chemistry, to keep students abreast of recent developments in the chemical field, to provide a forum for discussion of chemical topics, to promote scholarship, and to encourage fellowship among those interested in chemistry. Activities include regular meetings, seminars, special interest programs, field trips, and service projects.

Departmental Awards. Each spring, awards are presented to outstanding students at the freshman, sophomore, junior, and senior levels. An outstanding junior is awarded the W. Norton Jones scholarship, to be used during the student's senior year.

Departmental Honors. Please see the description of the Honors Program earlier in the catalog.

Courses Taught in the Department of Chemistry:

CHEM 1400	Chemistry in Society
CHEM 1405	Survey of General and Organic Chemistry
CHEM 1406	Survey of Organic and Biochemistry
CHEM 1410	General Chemistry I
CHEM 1420	General Chemistry II
CHEM 2430	Quantitative Analysis
CHEM 3350	Organic Structure Analysis
CHEM 3360	Physical Biochemistry
CHEM 3410	Organic Chemistry I
CHEM 3420	Organic Chemistry II
CHEM 3431	Physical Chemistry I
CHEM 3432	Physical Chemistry II
CHEM 3440	Environmental Chemistry
CHEM 3441	Biochemistry I
CHEM 3442	Biochemistry II
CHEM 3480	Foundational Inorganic Chemistry
CHEM 4101	Literature Seminar
CHEM 4440	Instrumental Methods of Analysis
CHEM 4X20	Introduction to Research
CHEM 4X88	Internship in Chemistry
CHEM 4X95	Independent Studies
CHEM 4X96H	Honors Tutorial
CHEM 4X97H	Honors Research
CHEM XX99	Special Topics

BACHELOR OF SCIENCE CHEMISTRY

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN CHEMISTRY

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN CHEMISTRY (4-8 hours may also meet general education requirements)	
<u>CHEMISTRY</u>	HOURS
CHEM 1410	4
CHEM 1420	4
CHEM 2430*	4
CHEM 3410	4
CHEM 3420	4
CHEM 3431	4
CHEM 3432	4
CHEM 3441	4
CHEM 4101	1
CHEM 3480	4
Select 7-8 hrs from CHEM 3350, 3440, 3442, 4440	7-8
SUBTOTAL HOURS	44-45
*Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3420.	
SUPPORTING COURSES <i>A grade of "C" or better is required in all supporting courses</i>	
Select 8-10 hrs from PHYS 1410, 1420, OR PHYS 2510, 2520	8-10
MATH 2421	4
MATH 2322	3
MATH 3351	3
TOTAL HOURS	62-65

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS CHEMISTRY

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN CHEMISTRY

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN CHEMISTRY (4-8 hours may also meet general education requirements)	
<u>CHEMISTRY</u>	HOURS
CHEM 1410	4
CHEM 1420	4
CHEM 3410	4
CHEM 3420	4
CHEM 3441	4
CHEM 4101	1
CHEM 3480	4
Select 3-4 hrs from CHEM 3360, 3431	3-4
Select 4 hrs from CHEM 2430*, 3440	4
SUBTOTAL HOURS	32-33
*Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3420.	
SUPPORTING COURSES <i>A grade of "C" or better is required in all supporting courses</i>	
PHYS 1410	4
PHYS 1420	4
MATH 2421	4
MATH 2322	3
TOTAL HOURS	47-48

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS CHEMISTRY GRADES 8-12

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN CHEMISTRY GRADES 8-12

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN CHEMISTRY (4-8 hours may also meet general education requirements)	
<u>CHEMISTRY</u>	HOURS
CHEM 1410	4
CHEM 1420	4
CHEM 3410	4
CHEM 3420	4
CHEM 3441	4
CHEM 4101	1
CHEM 3480	4
Select 3-4 hrs from CHEM 3360, 3431	3-4
Select 4 hrs from CHEM 2430*, 3440	4
SUBTOTAL HOURS	32-33
*Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3420.	
SUPPORTING COURSES <i>A grade of "C" or better is required in all supporting courses</i>	
PHYS 1410	4
PHYS 1420	4
MATH 2421	4
MATH 2322	3
TOTAL HOURS	47-48

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CI courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

TEACHING FIELDS:

The required courses for preparation to teach Physical Science (Chemistry and Physics) at the high school level are found in the Curriculum and Instruction section of the catalog, page 91.

BACHELOR OF SCIENCE BIOCHEMISTRY

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN BIOCHEMISTRY

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN BIOCHEMISTRY (4-8 hours may also meet general education requirements)	
<u>BIOCHEMISTRY</u>	HOURS
CHEM 1410	4
CHEM 1420	4
CHEM 2430*	4
CHEM 3410	4
CHEM 3420	4
CHEM 3441	4
CHEM 3442	4
CHEM 4101	1
Select 3-4 hrs from CHEM 3360, 3431	3-4
Select 3-4 hrs from CHEM 3350, 3432, 3480, 4440	3-4
SUBTOTAL HOURS	35-37
*Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3420	
SUPPORTING COURSES <i>A grade of "C" or better is required in all supporting courses</i>	
MATH 2421	4
MATH 2322	3
BIOL 1301	3
BIOL 3460	4
BIMS 4320	3
BIMS 4120	1
Select 8-10 hrs from PHYS 1410, 1420, OR PHYS 2510, 2520	8-10
TOTAL HOURS	61-65

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

CHEMISTRY DEPARTMENT MINORS

MINOR IN CHEMISTRY (Not available for Chemistry or Biochemistry majors)	
<u>COURSE</u>	HOURS
CHEM 1410	4
CHEM 1420	4
Select 12 hrs from (at least 6 hrs advanced) CHEM 2000, 3000, 4000 level courses	12
TOTAL HOURS	20

MINOR IN BIOCHEMISTRY (Not available for Biochemistry or Chemistry majors)	
<u>COURSE</u>	HOURS
CHEM 1410	4
CHEM 1420	4
CHEM 3410	4
CHEM 3420	4
CHEM 3441	4
CHEM 3442	4
TOTAL HOURS	24

COMMUNICATION STUDIES

Instructors Curry, Whittemore

The Communication Studies Department offers three courses in support of the General Education Curriculum.

Courses Taught in Communication:

COMM 1310	<i>Principles of Communication</i>
COMM 2330	<i>Business & Professional Communication</i>
COMM 2350	<i>Argumentation & Advocacy</i>

DEPARTMENT OF COMPUTER SCIENCE

Professor Wyatt, Dean of School of Natural and Computational Sciences

Associate Professor Watson, Department Chair

Instructor Brozovic

Mission and Goals:

The mission of the Department of Computer Science is:

1. To prepare students for professional careers and graduate study in computer science through the teaching of theory, concepts, and problem solving skills.
2. To provide practical experience with current languages, tools, and trends that prepares students to be immediately effective in their careers.
3. To provide theory and practical experience with appropriate concepts and software for students who plan to teach.

Program outcomes:

Graduates of the program will:

1. Be able to apply fundamental principles of computer science, mathematics, and science to solve complex problems.
2. Be able to analyze, design, implement, and evaluate a computer-based system, process, component, or program using current techniques, skills, and tools to meet desired user requirements.
3. Understand and apply best practices and standards for systems development including design and implementation.
4. Be able to work effectively on teams to accomplish a common goal.
5. Be able to analyze the impact of computing on individuals, organizations, and society, including ethical, legal, security, and policy issues and to understand their own professional, ethical, and social responsibilities.
6. Be able to communicate effectively.
7. Recognize the need for and be able to engage in continuing professional development.

Special Programs and Opportunities:

Association of Information Technology Professionals (AITP). AITP is a professional organization whose mission is to serve "members by delivering relevant technology and leadership education, research and information on current business and technology issues, and forums for networking and collaboration." (AITP Mission Statement 2008) Student membership is open to all students interested in computing and information technology. Activities of the McMurry AITP Student Chapter include regular chapter meetings, fund raisers, special programs like relevant guest speakers, student programming and technology contests, participation in service projects, and trips to regional and national conferences. The McMurry AITP Student Chapter is sponsored by the Dallas (professional) chapter.

Charles and Lisa Bloomer Research Stipend. A competitive award providing funding for any major from the School of Natural and Computational Sciences to support undergraduate research with a sponsoring

faculty member during the fall/spring academic year. This program is administered by the Science and Mathematics Advisory board.

Departmental Awards. Each spring, awards are presented to outstanding students at the freshman, sophomore, junior, and senior levels. An outstanding junior is awarded the O. P. Thrane scholarship, to be used during the student's senior year.

Departmental Honors. Please see the description of the Honors Program earlier in the catalog.

Programs of the Department of Computer Science

Bachelor of Science in Computer Science

Computer Science is the foundation for all other computing disciplines. The B.S. degree in Computer Science provides broad coverage of the field of computation from a theoretical perspective. Students of Computer Science study the fundamental concepts used in software construction, computer design, and computer operating systems design. Computer Science graduates will be prepared to take advantage of a diverse range of opportunities in the field of computation.

Bachelor of Science in Information Technology

The B.S. degree in Information Technology is more focused and applied than the Computer Science major. Students study the deployment, application, and security of computer systems. Emphasis is placed on the operational aspects of computing in industrial and business settings.

Courses Taught in the Department of Computer Science:

COSC 1305	Computers in Education
COSC 1322	Introduction to Computer Science
COSC 1325	Fundamentals of Computer Science
COSC 1340	Advanced Programming Concepts
COSC 2370	Assembly Lang. and Computer Organization
COSC 3315	Information and Communication Technologies
COSC 3330	Fundamentals of Networking
COSC 3360	Data Structures
COSC 4310	Organization of Programming Languages
COSC 4340	Operating Systems
COSC 4360	Software Engineering
COSC 4388	Internship in Computer Science
COSC 4X95	Independent Studies
COSC 4X96H	Honors Tutorial
COSC 4X97H	Honors Research
COSC XX99	Special Topics
ITEC 3310	Information Security
ITEC 3320	Systems Admin and Maintenance
ITEC 4388	Internship in Information Technology
ITEC 4X95	Independent Studies
ITEC 4X96H	Honors Tutorial
ITEC 4X97H	Honors Thesis
ITEC XX99	Special Topics

BACHELOR OF SCIENCE COMPUTER SCIENCE

A MINOR IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN COMPUTER SCIENCE	
(3-7 hours may also meet general education requirements)	
<u>COMPUTER SCIENCE</u>	HOURS
COSC 1322	3
COSC 1325	3
COSC 1340	3
COIS 2350	3
COSC 2370	3
COIS 3311	3
COSC 3330	3
COSC 3360	3
COSC 4310	3
COSC 4340	3
COIS 4350	3
COSC 4360	3
Select 6 hrs from Advanced electives COSC/COIS/ITEC	6
SUBTOTAL HOURS	42
SUPPORTING COURSES	
<i>A grade of "C" or better is required in all supporting courses</i>	
MATH 2421	4
MATH 2340	3
MATH 3351	3
MATH 4331	3
TOTAL HOURS	55

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE INFORMATION TECHNOLOGY

A MINOR IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN INFORMATION TECHNOLOGY

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN INFORMATION TECHNOLOGY (3-9 hours may also meet general education requirements)	
<u>COMPUTER SCIENCE</u>	HOURS
COSC 1322	3
COSC 1325	3
COIS 2350	3
ITEC 3310	3
COIS 3311	3
COSC 3315	3
COIS 3320	3
ITEC 3320	3
MMAP 3320	3
COSC 3330	3
COIS 4350	3
COSC 4360	3
Select 3 hrs from Advanced electives COSC, or COIS	3
SUBTOTAL HOURS	39
SUPPORTING COURSES <i>A grade of "C" or better is required in all supporting courses</i>	
COMM 2330	3
MATH 3351	3
TOTAL HOURS	45

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE COMPUTER SCIENCE GRADES 8-12

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE
IN COMPUTER SCIENCE GRADES 8-12

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN COMPUTER SCIENCE	
(3-7 hours may also meet general education requirements)	
<u>COMPUTER SCIENCE</u>	HOURS
COSC 1322	3
COSC 1325	3
COSC 1340	3
COIS 2350	3
COSC 2370	3
COSC 3330	3
COIS 3311	3
COSC 3360	3
COSC 4310	3
COSC 4340	3
COIS 4350	3
COSC 4360	3
Select 6 hrs from Advanced electives COSC/COIS/ITEC	6
SUBTOTAL HOURS	42
SUPPORTING COURSES	
<i>A grade of "C" or better is required in all supporting courses</i>	
MATH 2421	4
MATH 2340	3
MATH 3351	3
MATH 4331	3
TOTAL HOURS	55

MINOR IN CURRICULUM AND INSTRUCTION GRADES 8-12	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CI courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

COMPUTER SCIENCE DEPARTMENT MINORS

MINOR IN COMPUTER SCIENCE	
(Not available for COSC and ITEC majors, and COIS Concentration)	
COURSES	HOURS
COSC 1325	3
COSC 1340	3
COIS 2350	3
COIS 3311	3
COSC 3360	3
Select 3 hrs from COSC/COIS/ITEC advanced electives	3
TOTAL HOURS	18

MINOR IN INFORMATION TECHNOLOGY	
(Not available for ITEC and COSC majors, and COIS Concentration)	
COURSE	HOURS
COSC 1322	3
COSC 1325	3
ITEC 3310	3
COIS 3311	3
COIS 3320	3
ITEC 3320	3
COSC 3330	3
TOTAL HOURS	21

CURRICULUM AND INSTRUCTION

Professor Haley-Brown, Dean of School of Education
Associate Professor Hall, Department Chair
Assistant Professor Kosheleva, McInroe, Scott
Instructors Izbrand, Roper, Thomesen

Mission and Goals: The mission of the Department of Curriculum and Instruction is to guide future teachers to develop leadership, excellence, and virtue within a Christian environment. Our goal is to support student development of pedagogical, intellectual, and ethical behavior appropriate for professional roles in the school setting. To this end, we have developed a set of courses and field experiences which build progressively to prepare graduates to be successful in their roles as teachers in our schools.

Special Programs and Opportunities:

ATPE: Membership is available in the campus chapter of the Association of Texas Professional Educators. Activities include informational meetings, guest speakers, and an opportunity to participate in meetings at the state and regional levels.

Kappa Delta Pi: The Eta Epsilon Chapter of Kappa Delta Pi provides recognition and an opportunity for service in an international honor society. Membership is reserved for education majors and minors who have a 3.25 grade point average at McMurry, at least 45 hours of credit, and one semester of coursework at McMurry.

Departmental Scholarships: Four scholarships are offered for the junior or senior year to outstanding students.

Departmental Honors: Please see the description of the Honors Program under the Special Program section earlier in the catalog.

The Teacher Education Program: A liberal education combined with adequate professional and specialized study constitutes the best preparation for a successful teaching career. The Department of Curriculum and Instruction at McMurry University offers the Bachelor of Science in Early Childhood Education degree and the professional development (C&I) minor to qualify students for the Texas Provisional Teaching Certificate. The Provisional Certificate gives the holder legal authority to perform teaching duties in the public schools of Texas at the grade level and in the academic specialization(s) designated on the face of the certificate. The Department of Curriculum and Instruction, with the advisement of the Education Advisory Council, is responsible for establishing policy and providing leadership for the teacher education program. Because of the multidisciplinary nature of teacher education, several departments of the University are represented on the Education Advisory Council. The administration of McMurry University strives to promote a close, cooperative relationship between the Department of Curriculum and Instruction and the other academic departments of the University. The teacher education program at McMurry is accredited by the Texas Education Agency (TEA).

DISCLAIMER: All requirements and conditions for admission to the teacher education program or for certification are subject to change at the direction of Texas Education Agency and/or the State Board of Educator Certification. If you are currently enrolled in the Bachelor of Science in Early Childhood Education, your certification will be EC-6.

Checklist for Qualifying for a Teaching Certificate:

To qualify for a teaching certificate, students must meet the requirements of both McMurry University and the State Board for Educator Certification (SBEC). There are several important steps which students must follow to insure that these dual requirements are satisfied. These steps include:

1. Achieve a qualifying score as noted on the Texas Higher Education Assessment Tests (THEA), a test of basic skills in mathematics (230), reading (250), and writing/composition (240), Accuplacer (90), Accuplacer Elementary Algebra (63), Accuplacer Sentence Skills (80) and written essay (6) Compass Reading Comprehension(91) Compass Algebra (39) Compass Writing Skills (59) and Written Essay 6. Asset, reading (45), elementary algebra (38) and writing skills (40),

written essay (5). Students interested in teaching should take this test as soon as possible, even in the freshman year. Information about registering and taking the THEA is available in the Curriculum and Instruction department office. Teacher certification requirements allow for math and writing exemptions from the THEA requirement, credit hours in the subject specific content area for the certification sought, but no exemptions from the reading portion of the test are allowed.

2. Apply for admission to the teacher education program at the conclusion of CURR 2110.
3. File a degree plan with appropriate major and minor in the Registrar's Office no later than the sophomore year. See Accuplacer and Compass scores as stated in the Checklist for Qualifying for a Teaching Certificate.
4. Apply for admission to student teaching. Admission requirements are outlined in a subsequent section of the catalog.
5. Achieve a satisfactory score on the certification examinations prescribed by the State Board of Education. Content of the tests will generally cover the areas of professional education and the individual's teaching field(s) or areas of endorsement.
6. File an application for certification with Texas Education Agency (TEA) prior to graduation.

Important details on each of these steps are outlined in subsequent sections of the catalog. Students are urged to read the catalog carefully and consult closely with their faculty advisors in planning their programs of study.

ADMISSION TO TEACHER EDUCATION PROGRAM

Criteria for Admission

1. Declared major in an approved teaching field with a minimum of 12 semester hours of coursework in the field, and a declared minor in Curriculum and Instruction.
2. Overall grade point average of 2.75 or higher, which will include transfer courses and courses completed at McMurry. The overall grade point average will be calculated by the Registrar's Office for students who transferred to McMurry. (Students who have been out of college 5 years or more can be considered under the "interrupted studies" criteria.)
3. Evidence of successful passage of the THEA Test: Math 230, Writing 240, Reading 250, or proof of exemption status only in math and/or writing. (also see Accuplacer, Compass, and Asset).
4. Evidence of freedom from serious mental and personality defects or physical handicaps which would seriously impede effectiveness in the classroom or employment as a classroom teacher. The Education Advisory Council may require that the student, at his or her own expense, take a physical examination and/or submit to a psychological evaluation which may include tests or inventories. Such evaluation must be completed and a report submitted to the Council by a licensed mental health professional who is acceptable to the University and who is aware of the Council's concerns with regard to the candidate's admission to the Teacher Education Program. Students will not be admitted to Teacher Education Program or student teaching and teaching internship until the evaluation results are submitted to and reviewed by the Council and a final decision is made by the Education Advisory Council. Failure to comply with this process may result in non-admission to or dismissal from the Teacher Education Program.
5. No pattern of serious, documented behavioral problems.
6. Ability to meet the general requirements for the Provisional teaching certificate, as stated in the "Requirements of the State Board for Educator Certification (SBEC) for Provisional Certificate" section of this catalog.
7. Successful completion of English 1310, 1320, Comm 1310 and Math 1311 or higher.
8. Successful completion of Introduction to Education, CURR 2110, with a grade of "C" or better.
9. A minimum of one interview for each applicant will be conducted by the faculty in the school of education.

Note: Requirements for admission to the Teacher Education Program which are in effect at the time the teacher candidate is admitted to the program shall be followed unless specifically relieved in individual cases by three-fourths' majority of the Education Advisory Council at the time admission to the program is considered.

Admission Procedure

Students should apply for admission to the Teacher Education program while they are enrolled in CURR 2110, Introduction to Education. The application is made in writing and submitted to the CURR department office. Transfer students should delay such application until they have completed 12 hours in the teaching field, and one semester of work in residence at McMurry. All sections of the required tests listed on the Checklist for Qualifying for a Teaching Certificate must be passed, or proof of exemption provided, before any CURR courses above 2110 are taken. The Education Advisory Council will not consider an application until all requirements are met.

- Students who do not meet the requirements for the program are precluded from enrolling in Curriculum and Instruction courses. Upon request, a student who has been denied admission to the program may be permitted to appear before the Education Advisory Council to appeal the denial.
- Failure to be admitted to the Teacher Education program or, if admitted, to complete the required course sequence in a timely manner will require the student to choose a different minor and a non-teaching field major. After two attempts at completing requirements, a student must choose a different non-teaching major and minor.
- The applicant should understand that admission to the Teacher Education program does not constitute assurance of certification.

ADMISSION TO STUDENT TEACHING OR TEACHING INTERNSHIP

The state of Texas requires a minimum of 12 weeks of full time student teaching. Student teaching and internship are the capstone courses in the Teacher Education Program

Criteria for Admission:

1. Evidence of freedom from serious mental and personality disorders or physical disabilities which would seriously impede effectiveness in the classroom or employment as a classroom teacher. The Education Advisory Council may require that the student, at his or her own expense, take a physical examination and/or submit to a psychological evaluation, which may include tests or inventories. Such evaluation must be completed and a report submitted to the Council by a licensed mental health professional who is acceptable to the University and who is aware of the Council's concerns with regard to the candidate's admission to student teaching or teaching internship. Students will not be admitted to student teaching or teaching internship until the evaluation results are made available to and reviewed by the Council and a final decision is made by the Education Advisory Council. Failure to comply with this process may result in non-admission to or dismissal from student teaching or teaching internship.
2. No pattern of serious, documented behavioral problems as evidenced by a departmental review of the student's file.
3. Ability to meet general requirements for the standard teaching certificate, as stated in the "Requirements of the State Board for Educator Certification (SBEC) for Provisional Certificate" section of this catalog.
4. For student teaching: completion of 110 semester hours. For internship: a bachelor's degree with a minimum of 120 credit hours.
5. Overall grade point average of 2.75 or higher, and will include transfer courses and courses completed at McMurry, as calculated by the Registrar.
6. Grade point average of 2.75 or higher with no grade below "C" in any course listed under the degree requirements for the teaching certification desired.
7. Completion of all courses listed under the Certification degree plan with the exception of 7 hours of student teaching or teaching internship, and an additional 3 credit hours.
8. Each applicant will submit three recommendations for review by the Education Advisory Council.
9. Approval granted by the Education Advisory Council.

For elementary education candidates (EC-6):

Criteria listed above in 1 through 8 will apply.

For middle school education candidates (4-8):

Criteria listed above in 1 through 5 will apply, and

- Completion of CURR 2110, 3301, 3302, 4422, 4323, 4123, and at least twenty seven hours in an approved teaching field with a GPA of 2.75 in the teaching field.

For secondary education candidates (8-12):

Criteria listed above in 1 through 5 will apply, and

- Completion of CURR 2110, 3301, 3302, 4324, 4325, 4125, and at least twenty seven hours in an approved teaching field with a GPA of 2.75 in the teaching field.

For all-level certificates:

Criteria listed above in 1 through 5 will apply, and

- Completion of CURR 2110, 3301, 3302, 4324, 4325, 4125, and at least twenty seven hours in an approved teaching field with a GPA of 2.75 in the teaching field.

Other requirements for all student teachers:

- Students may not enroll or audit more than nine semester hours (six hours of student teaching, three hours of additional course work) including concurrent enrollment at other institutions during the semester of student teaching without permission of the Department.
- Student teachers are required to remain on their assigned school campuses during regular school hours. All extracurricular activities and job assignments must be declared prior to the beginning of student teaching and must be approved by the department.

REQUIREMENTS OF THE TEXAS EDUCATION AGENCY (TEA) FOR PROVISIONAL CERTIFICATE

The Texas Education Agency (TEA) has established general requirements for the Provisional teaching certificate. These requirements include:

1. Bachelor's degree from, and the recommendation of, an institution of higher learning approved for teacher education by the SBEC;
2. Be at least eighteen years of age;
3. Be of good moral character as evidenced by the recommendation of a Texas senior college;
4. Be clear of felony or misdemeanor convictions for crimes which directly relate to the duties and responsibilities of the teaching profession. As of September 1, 1982, all applicants for Texas certificates will be screened for a record of felony or misdemeanor conviction through the Texas Department of Public Safety. Article 6252-13c, Texas Civil Statutes, authorizes the Commissioner of Education to suspend, revoke, or refuse to issue a teaching certificate for a person who has been convicted of a felony or misdemeanor which directly relates to duties and responsibilities of the teaching profession. All potential certificate applicants with criminal convictions should contact the Certification Officer of McMurry University immediately to seek clarification of their certification status. Applicants are now required to submit finger prints to the Texas Education Agency to fulfill certification requirements.
5. Be willing to support and defend the constitutions of the United States and Texas;
6. Have college credit or examination credit in knowledge of the Texas and federal constitutions and United States history;
7. Achieve a satisfactory score on a competency examination of basic skills in mathematics, reading, and writing/composition. THEA, Accuplacer, and Compass will be the test of basic skills required by McMurry University to meet the SBEC standard; exemptions from the THEA, Accuplacer, and Compass are outlined above and are available from the Curriculum and Instruction office.
8. Achieve a satisfactory score on the certification examinations prescribed by the State Board of Education. These tests are required as a criterion for receipt of the Provisional teaching certificate.
9. Submit an application for certification to the State certification authority accompanied by the appropriate fee.

McMURRY REQUIREMENTS FOR CERTIFICATION

In addition to all certification requirements established by the State of Texas, McMurry University has established requirements for certification which are above and beyond normal graduation requirements. To secure a recommendation for certification from McMurry, one must meet the following criteria:

1. Completion of an approved degree program leading toward certification and the C&I professional development minor
2. Overall grade point average of 2.75 and will include transfer courses and courses completed at McMurry, as calculated by the Registrar.

Curriculum and Instruction

3. Grade point average of 2.75 with no grade lower than a "C" in each of the following areas:
- for EC-6 certification:
 - Professional development courses in the Curriculum and Instruction minor; and
 - All required courses for the Early Childhood Education degree
 - for 4-8 certification:
 - Professional development courses in the Curriculum and Instruction minor; and
 - All required courses for the 4-8 teaching field
 - for 8-12 certification:
 - Professional development courses in the Curriculum and Instruction minor; and
 - All required courses for the 8-12 teaching field

Students who have completed degrees before entering teacher education program must meet the requirements of their individual certification plans before they will be approved for certification.

POLICY EXCEPTIONS

Exceptions to the teacher education policies stated in this Bulletin require action by the Education Advisory Council. A request for variation should be submitted in writing to the Department of Curriculum and Instruction at least one month in advance of the time it is desired. Students will be notified in writing of action taken by the Education Advisory Council on their variance requests.

TEACHING CERTIFICATES

Grades 8 through 12 and All Levels Certificates

This option is for students planning to teach in secondary schools grades 8 through 12 and for students who are seeking all-levels certification in those fields which require all-levels certificates. The options for these teaching fields are listed below. The coursework requirements for each teaching field will be specified by the department responsible for that teaching field; the courses required for the Curriculum and Instruction professional development minor are specified below.

Teaching Field	Certification
Art	All Levels
Business Basic	6- 12
Chemistry	8- 12
Computer Science	8 - 12
English Language Arts-Reading	8 - 12
History	8 - 12
Life Sciences	8 - 12
Mathematics	8 - 12
Physical Education	All Levels
Physical Sciences	8 - 12
Music	All Levels
Social Studies	8 - 12
Speech Communication (Post-Bacc students only)	8 - 12
Spanish	All Levels
Technology Applications	8 - 12
Theatre Arts	8 - 12

Required Courses for Secondary and all levels Curriculum and Instruction minor:

CURR 2110	CURR 3301
CURR 3302	CURR 4324
CURR 4325	CURR 4125
CURR 4198	
Six hours student teaching based on area of preparation	

Grades 4 through 8 Certificates

This option is for students planning to teach in grades 4 through 8. Teaching fields are available in the following fields. The coursework requirements for each teaching field will be specified by the department responsible for that teaching field; the courses required for the Curriculum and Instruction professional development minor are specified below.

Teaching Field	Certification
English Language Arts-Reading	4 - 8
Mathematics	4 - 8

Science	4 - 8
Social Studies	4 - 8

Required Courses for Middle School Curriculum and Instruction minor:

CURR 2110	CURR 3301
CURR 3302	CURR 4322
CURR 4323	CURR 4123
CURR4198	

Six hours student teaching based on area of preparation

Early Childhood Education Program and Degree

Early Childhood through Grade 6 Certification

This option is for students who plan to teach in grades EC through 6. The curriculum will include coursework in early childhood development as well as reading, language arts, science, mathematics, social studies, art, physical education, drama, and music for elementary majors; students seeking bilingual certification will take additional coursework in Spanish and Spanish culture. The certification will be Early Childhood through Grade 6 Generalist or Early Childhood through Grade 6 Bilingual Generalist.

Teaching Field Certification

EC-6 Generalist	EC - 6
EC-6 Bilingual Generalist	EC - 6

Suggested Sequence of Required Major Courses for the Early Childhood Education Major:

CURR2110 (take during semester in which last general education requirements are completed; can be fall or spring)

First Semester - Fall		First Semester - Spring	
READ 3300, 3315	6	READ 3300, 3315	6
COSC 1305	3	COSC 1305	3
ECED 3300	3	ECED 3300	3
KINE 3340 or THRE 3360	3	KINE 3241 or THRE 3360	2-3
CURR 2110	1	CURR 2110	1
Total	16	Total	15-16

Apply for Admission to Teacher Education Program

Second Semester - Spring		Second Semester - Fall	
READ 3334, 3380	6	READ 3334, 3380	6
ECED 3330, 3360	6	ECED 3330, 3360	6
ARTS 3370, THRE 3360, or KINE 3340	3	THRE 3360, or KINE 3241	2-3
Total	15	Total	14-15

Third Semester - Fall		Third Semester - Spring	
CURR 3301, 3302	6	READ 3335	3
READ 3335	3	CURR 3301, 3302	6
ECED 3331, 4370	6	ECED 3331, 4370	6
Total	15	Total	15

Fourth Semester - Spring		Fourth Semester - Fall	
CURR 4320, 4321, 4121	7	READ 4337	3
ECED 4330	3	CURR 4320, 4321, 4121	7
READ 4337	3	ECED 4330	3
Total	13	Total	16

Fifth Semester - Fall		Fifth Semester - Spring	
Student Teaching with Seminar	7	Student teaching with Seminar	7
Total	7	Total	7

ENDORSEMENTS

The Department of Curriculum and Instruction also offers coursework leading to the following supplemental teaching endorsements.

English as a Second Language (EC-6)

Required courses for the EC-6 ESL Supplemental teaching endorsement are: READ 3310, READ 3334, ECED 4330, and CURR 4305.

Required Courses for the EC-12 Bilingual Generalist**Major:**

All courses listed above for the EC-12 Generalist major and EC-12 Curriculum and Instruction minor as well as the following courses: BIED 3301, 3331, 3375 or 3336, 4322 SPAN 1410, 1420, 2310, 2320

Bilingual Supplemental (EC-12)

Students who pursue Bilingual certification must be prepared to take the Texas Oral Proficiency Test (TOPT) in Spanish. Course work that will support the language requirements: SPAN 1410, 1420, 2310, 2320. Qualified students may make arrangements with the Modern Language Department for credit by exam for these courses. Please see your advisor for information if you are currently pursuing this endorsement. As the new state standards come into effect, you will be advised and your degree plan may be modified. Currently, READ 3310, READ 3334, ECED 4330, and CURR4305 are required for this certification and the ESL endorsement.

POST-BACCALAUREATE PROGRAM

McMurry University offers a FasTrack program for post-baccalaureate students to become certified teachers. Students who hold a degree and meet the requirements for admission to the School of Education may apply through the certification officer for admission to the program. Professional education courses are offered face-to-face and online. Students with sufficient hours in an undergraduate major that is an approved secondary teaching field may be prepared for either student teaching or a paid internship by completing a minimum of fifteen credit hours of course work. Elementary post-baccalaureate programs are available and can generally be completed within one calendar year. Individual plans will vary in requirements based upon an evaluation of each student's undergraduate course work. Each applicant will schedule a required interview with the Certification Officer prior to application to the program. Two grades of C- or below or 2 withdrawals from the program requires a 5 year waiting period before the student can reapply to the McMurry FasTrack Program. 30 clock hours of field-based experience to be completed prior to student teaching, clinical teaching, or internship. Up to 15 clock hours of field experience may be provided by the use of electronic transmission, or other video technology based method.(Rule 228.35 (a) (3) (A) of the Texas State Code).

Courses Taught in the Curriculum and Instruction Department:

CURR 2110	Introduction to Education
CURR 3301	Theories of Learning
CURR 3302	The Inclusive Classroom
CURR 3310	Instructional Media
CURR 4198	Student teaching Seminar
CURR 4305	Student Teaching in the ESL or BIED Classroom
CURR 4308	Student Teaching Grades EC-6
CURR 4309	Student Teaching Grades 8-12
CURR 4310	Student Teaching Grades 4-8
CURR 4320	Methods and Management in the Elementary School
CURR 4321	Plan., Curriculum, and Assessment Elementary School
CURR 4121	Professional Development Internship Grades EC-6
CURR 4322	Methods and Management in the Middle School
CURR 4323	Plan., Curriculum, and Assessment in Middle School
CURR 4123	Professional Development Internship Grades 4-8
CURR 4324	Methods and Management in the Secondary School
CURR 4325	Plan., Curriculum, and Assessment Secondary School
CURR 4125	Professional Development Internship Grades 8-12
CURR 4350	Methods and Management in the Elementary School
CURR 4351	Plan., Curriculum, and Assessment Elementary School
CURR 4352	Methods and Management in the Middle School

CURR 4353

CURR 4354
CURR 4355
CURR 4160

CURR 4388
CURR 4601
CURR 4602
CURR 4603
CURR 4X95
CURR 4X96H
CURR 4X97H
CURR XX99

ECED 3300
ECED 3330
ECED 3331
ECED 3360
ECED 3361
ECED 3365
ECED 3370
ECED 4330
ECED 4370
ECED 4371
ECED XX99

READ 3300
READ 3310
READ 3315
READ 3316
READ 3332
READ 3334
READ 3335
READ 3338
READ 3340
READ 3342
READ 3380
READ 4337
READ XX99

Plan., Curriculum, and Assessment in Middle School
Methods and Management in the Secondary School
Plan., Curriculum, and Assessment Secondary School
Classroom Observation and Reflections (TxBess)
Teaching Internship
Student Teaching Grades EC-6
Student Teaching Grades 8-12
Student Teaching Grades 4-8
Independent Studies
Honors Tutorial
Honors Thesis
Special Topics

Theory and Practice in Early Childhood Education
Teaching Elementary Math I EC-6
Teaching Elementary Math II EC-6
Teaching Social Studies EC-6
Teaching Social Studies 4-8
Special Learners
Assisting and Advancing Special Learners
Language Acquisition and Development
Teaching Science EC-6
Teaching Science 4-8
Special Topics

Introduction to the Teaching of Reading EC-6
Language Foundations
Children's Literature I
Children's Literature II
Reading in the Content Areas Grades 4-8
Reading and Language Arts in Multilingual Cls. Room
Reading, Instruction and Assessment
Teaching Reading Grades 8-12
Teaching Reading Grades 4-8
Reading in the Content Areas Grades 8-12
Teaching Language Arts EC-6
Diagnostic and Corrective Reading Grades EC-6
Special Topics

BACHELOR OF SCIENCE EARLY CHILDHOOD EDUCATION

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN EARLY CHILDHOOD EDUCATION

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

<u>EARLY CHILDHOOD EDUCATION</u>	
<u>COURSE</u>	HOURS
Combination of Subjects	
READ 3300	3
READ 3315	3
READ 3334	3
READ 3335	3
READ 3380	3
READ 4337	3
ECED 3300	3
ECED 3330	3
ECED 3331	3
ECED 3360	3
ECED 4330	3
ECED 4370	3
Supporting Courses Select 2 courses from ARTS 3370, CURR 3310, COSC 1305, ECED 3310, 3365, 3370, KINE 3340, READ 3310, THRE 3360	6
TOTAL HOURS	42

MINOR IN CURRICULUM AND INSTRUCTION (GRADES EC-6)	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4320	3
CURR 4321	3
CURR 4121	1
CURR 4198	1
CURR 4601	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

NOTE: *ESL endorsement and Bilingual Education requirements are listed on the following page.*

BACHELOR OF SCIENCE EARLY CHILDHOOD EDUCATION ESL ENDORSEMENT AND BILINGUAL EDUCATION

ESL Endorsement (EC-12):

Please see your advisor for information if you are currently pursuing this endorsement. As the new state standards come into effect, you will be advised and your degree plan may be modified. Currently, READ 3310, READ 3334, ECED 4330, and CURR4305 are required for this endorsement.

<u>ESL ENDORSEMENT</u>	<u>HOURS</u>
READ 3310	3
READ 3334	3
ECED 4330	3
CURR 4305	3
TOTAL HOURS	12

Special Education Supplemental (EC-12)

This endorsement may be added once you have completed the certification process for the degree and teaching field you are seeking. The three courses listed below are available, although at this time, they are not part of your requirements for graduation and are not listed on your degree audit unless required in another component of your degree. If you are interested in this endorsement and need more information please see the Department of Curriculum and Instruction.

<u>SPECIAL EDUCATION SUPPLEMENTAL EC-12</u>	<u>HOURS</u>
ECED 3365	3
ECED 3370	3
CURR 3302	3
TOTAL HOURS	9

Bilingual Supplemental (EC-12)

The supplemental endorsement may be added once you have completed the certification process for the degree and teaching field you are seeking. The courses listed below are available, although they are not part of your requirements for graduation and are not listed on your degree audit unless required in another component of your degree. If you are interested in this endorsement and need more information please see the Department of Curriculum and Instruction.

Students who pursue Bilingual certification must be prepared to take the Texas Oral Proficiency Test (TOPT) in Spanish. Course work that will support the language requirements: SPAN 1410, 1420, 2310, 2320. Qualified students may make arrangements with the Department of Spanish Studies for credit by exam for these courses.

<u>BILINGUAL EDUCATION GRADES EC-12</u>	<u>HOURS</u>
SPAN 3301	3
SPAN 3331	3
READ 3334	3
HIST 3375 or SPAN 3336	3
SPAN 4322	3
SPAN 1410	4
SPAN 1420	4
SPAN 2310	3
SPAN 2320	3
TOTAL HOURS	29

BACHELOR OF SCIENCE MULTIDISCIPLINARY STUDIES II (GRADES 4-8)

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOC1 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOC1 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOC1 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

CURRICULUM AND INSTRUCTION (GRADES 4-8)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4322	3
CURR 4323	3
CURR 4123	1
CURR 4198	1
CURR 4603	6
TOTAL HOURS	21

Select One Teaching Field
<u>Available Teaching Fields</u>
<u>Science (4-8)</u> <u>Social Studies (4-8)</u>

Teaching Fields Available Through Other Departments
<u>English Language Arts/Read (4-8)</u> See English Department <u>Mathematics (4-8)</u> See Mathematics Department

FOREIGN LANGUAGE REQUIREMENT:
8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

TEACHING FIELDS GRADES 4-8

<u>SOCIAL STUDIES</u> <u>GRADES 4-8</u>	HOURS
ECON 2310	3
ECON 2320	3
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3310	3
HIST 3377	3
HIST 4380	3
POSC 2310	3
POSC 2320	3
POSC 3310	3
Select 6 hrs from Advanced U.S. HIST courses	6
Select 6 hrs from Advanced POSC courses	6
TOTAL HOURS	48
SUPPORTING COURSES	
ECED 3361	3

<u>SCIENCE</u> <u>GRADES 4-8</u>	HOURS
BIOL 1301	3
BIOL 1402	4
BIOL 1403	4
BIOL 4430	4
CHEM 1410	4
CHEM 1420	4
GEOS 1405	4
GEOS 1410	4
PHYS 1410	4
PHYS 1420	4
PHYS 1401	4
TOTAL HOURS	43
SUPPORTING COURSES	
ECED 4371	3

Teaching Fields Available Through Other Departments
English Language Arts/Read (4-8) See English Department Mathematics (4-8) See Mathematics Department

BACHELOR OF SCIENCE MULTIDISCIPLINARY STUDIES I (GRADES 8-12)

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

Select One Teaching Field

Available Teaching Fields

Business Basic (6-12)
Physical Sciences (8-12)
Technology Applications (8-12)

Teaching Fields Available Through Other Departments

Art (All Level) See Art Department
Chemistry (8-12) See Chemistry Department
Computer Science (8-12) See Computer Science Department
English Language Arts (8-12) See English Department
History (8-12) See History Department
Life Science (8-12) See Biology Department
Mathematics (8-12) See Mathematics Department
Music (All Level) See Music Department
Physical Education (All Level) See Kinesiology Department
Social Studies (8-12) See History and Political Science Depts.
Spanish (EC-12) See Spanish Studies Department
Theatre Arts (8-12) See Theatre Department

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

**MULTIDISCIPLINARY STUDIES I
TEACHING FIELDS
GRADES 8-12**

<u>BUSINESS BASIC</u> <u>GRADES 6-12</u>	HOURS
ACCT 2310	3
ACCT 3370	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
ECON 2310	3
ECON 2320	3
FINC 3330	3
FINC 3350	3
FINC 3340	3
MGMT 3310	3
MKTG 3370	3
Select 3 hrs from BUSI 3350, 4380, 4385	3
TOTAL HOURS	39

<u>TECHNOLOGY APPLICATIONS</u> <u>GRADES 8-12</u>	HOURS
MMAP 2310	3
MMAP 2340	3
MMAP 3310	3
MMAP 3320	3
ARTS 1310	3
ARTS 3330	3
ARTS 3334	3
COSC 1305	3
COSC 3315	3
TOTAL HOURS	27

<u>PHYSICAL SCIENCES</u> <u>GRADES 8-12</u>	HOURS
CHEM 1410	4
CHEM 1420	4
CHEM 2430	4
CHEM 3410	4
CHEM 3420	4
CHEM 3431	4
PHYS 2510	5
PHYS 2520	5
PHYS 3270	2
PHYS 3300	3
PHYS 4300	3
PHYS 4310	3
Select 3 hrs from Any 4000 level PHYS course	3
Select 4 hrs from CHEM 3432 CHEM 3441	4
Select 3-4 hrs from CHEM or PHYS courses	3-4
TOTAL HOURS	55-56

DEPARTMENT OF ENGLISH

Professor McLamore Division Chair

Professor Thompson

Associate Professor Bonds

Assistant Professor(s) Andrews, Lopez

Instructors Daniel, Laurence, Patrick

Mission and Goals:

Students successfully completing English department requirements at McMurry University will be able to:

- ❖ Write essays and media projects using appropriate conceptual methods and researched information.
- ❖ Use upper-level reading techniques and critical thinking skills to investigate and understand literary and cultural traditions and innovations.
- ❖ Understand and apply theories of literature and composition and rhetoric to traditional and emerging media.
- ❖ Participate in the English Club and Sigma Tau Delta, Internships, and Conferences.
- ❖ Pursue further graduate, professional, or legal education or careers in fields requiring skilled critical thinking and written communication.

English Placement

Students whose academic placement results indicate a need for pre-college development in writing must register for and continually enroll in the corresponding developmental course(s) until it is passed with a grade of C- or better. Once students have met this requirement, they must enroll in the corresponding academic course(s). Courses numbered with a first digit of 0 are developmental and will not count towards any degree.

Special Programs and Opportunities

Sigma Tau Delta. A professional and national honor society for students of literature and language.

The Galleon. The literary magazine of McMurry University.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Department:

ENGL 0110	Writing Mechanics
ENGL 0310	Introduction to Composition
ENGL 1310	Composition and Rhetoric
ENGL 1320	Composition and Literature
ENGL 2300	Advanced Composition
ENGL 2310	Masterpieces of British Literature
ENGL 2320	Masterpieces of American Literature
ENGL 2330	Masterpieces of World Literature
ENGL 2350	Topics in Literary Study
ENGL 3310	Medieval English Literature
ENGL 3313	World Literature
ENGL 3315	Children's Literature I
ENGL 3316	Children's Literature II
ENGL 3320	English Renaissance
ENGL 3330	Restoration and 18th Century English Literature
ENGL 3341	English Romanticism
ENGL 3342	The Victorian Period
ENGL 3371	17th and 18th Century American Literature
ENGL 3372	Studies in 19th Century American Literature
ENGL 3373	Studies in Modern Literature
ENGL 3374	Studies in Contemporary Literature
ENGL 3380	Film and Literary Classics
ENGL 3383	Theories of Composition
ENGL 3384	Grammatical Structure
ENGL 3385	Professional and Technical Writing
ENGL 4309	Holocaust through the Eyes of Elie Wiesel
ENGL 4320	Shakespeare
ENGL 4340	Studies in a Major Author

ENGL 4360	Literary Theory
ENGL 4371	Poetry Workshop
ENGL 4372	Fiction Workshop
ENGL 4374	Writing for Newspapers and Magazines
ENGL 4375	Writing for Television and Radio
ENGL 4379	Elementary Language Arts Concepts 4-8
ENGL 4X95	Independent Studies
ENGL 4X96H	Honors Tutorial
ENGL 4X97H	Senior Thesis
ENGL 4X98	Senior Opus
ENGL XX99	Special Topics

Certificate of Writing

Due to the growing demand for highly skilled, professionally competent writers in business, industry, and government, the student with training in writing and editing has improved job opportunities, often finding a job sooner and advancing faster in that job than someone without such skills.

The English Department of McMurry University awards a Certificate of Writing to recognize intensive training in writing skills. To earn this certificate a student must complete 15 hours of such intensive training,

Certificate of Writing Eligibility:

1. Any degree seeking McMurry undergraduate is eligible to participate.
2. Students must complete all coursework by graduation.
3. Students must earn a grade of 'B' or higher in all courses.
4. All writing must be the student's own work.
5. Students must request prior approval from the head of the English department to substitute transfer courses, independent studies, or credit by exam for any of the required courses.
6. The Certificate of Writing cannot be earned separate from a McMurry degree.
7. Students seeking this certificate must declare their intention by noting it on a Degree Audit Request form in the Registrar's Office.

CERTIFICATE OF WRITING (Requires a grade of 'B' or higher in all courses)	
COURSE	HOURS
ENGL 2300	3
ENGL 3384	3
ENGL 3385	3
Select 6 hrs from ENGL 3383, 4374, 4X95 BIOL 4101, 4201 CHEM 4101 HIST 3377, 4380 KINE 2145, 3245, 4245 THRE 3370, 4320	6
TOTAL HOURS	15

BACHELOR OF ARTS ENGLISH

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN ENGLISH (6-9 hours may also meet general education requirements)	
<u>ENGLISH</u>	HOURS
ENGL 1310	3
ENGL 1320	3
ENGL 2310	3
ENGL 2320	3
ENGL 4320	3
ENGL 4360	3
Select 3 hrs from ENGL 3310, 3320, 3330, 3371	3
Select 3 hrs from ENGL 3341, 3342, 3372	3
Select 3 hrs from ENGL 3373, 3374, 4340	3
Select 9 hrs from Advanced English electives	9
TOTAL HOURS	36

<p>FOREIGN LANGUAGE REQUIREMENT: This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam . The University foreign language requirement is described on page 35 of the catalog.</p>
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BACHELOR OF ARTS ENGLISH and WRITING

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

GENERAL EDUCATION REQUIREMENTS	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN ENGLISH AND WRITING (6-9 hours may also meet general education requirements)	
ENGLISH AND WRITING	HOURS
ENGL 1310	3
ENGL 1320	3
ENGL 2310	3
ENGL 2320	3
Select 12 hrs adv. ENGL from (No more than one course from each line) ENGL 4360 ENGL 3310, 3320, 3330, 3371 ENGL 3341, 3342, 3372 ENGL 3373, 3374, 4340 ENGL 4320	12
Select 9 hrs from ENGL 3385, 4371, 4372, 4374, 4375	9
Select 3 hrs from Advanced English electives	3
TOTAL HOURS	36

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS ENGLISH LANGUAGE ARTS & READING GRADES 4-8

A MINOR IN CURRICULUM AND INSTRUCTION

IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN ENGLISH LANGUAGE ARTS & READING GRADES 4-8

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN ENGLISH LANGUAGE ARTS & READING GRADES 4-8	
(3 hours may also meet general education requirements)	
<u>COURSES</u>	HOURS
ENGL 2310	3
ENGL 2320	3
ENGL 3316	3
ENGL 3383	3
ENGL 3384	3
ENGL 4379	3
READ 3332	3
READ 3335	3
READ 3340	3
Select 3 hrs from ENGL 4371, 4372	3
Select 9 hrs from ENGL 3310, 3313, 3320, 3330, 3341, 3342, 3371, 3372, 3373, 3374, 3380, 4340	9
TOTAL HOURS	39

MINOR IN CURRICULUM AND INSTRUCTION GRADES 4-8	
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4322	3
CURR 4323	3
CURR 4123	1
CURR 4198	1
CURR 4603	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS ENGLISH LANGUAGE ARTS & READING GRADES 8-12

A MINOR IN CURRICULUM AND INSTRUCTION

IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN ENGLISH LANGUAGE ARTS & READING GRADES 8-12

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN ENGLISH LANGUAGE ARTS & READING GRADES 8-12	
(3 hours may also meet general education requirements)	
<u>COURSES</u>	HOURS
ENGL 3316	3
ENGL 3383	3
ENGL 4320	3
ENGL 3384	3
READ 3310	3
READ 3342	3
READ 3338	3
Select 3 hrs from ENGL 2310, 2320	3
Select 12 hrs from ENGL 3310, 3313, 3320, 3330, 3341, 3342, 3371, 3372, 3373, 3374, 3380, 4340	12
Select 3 hrs from ENGL 4371, 4372, 4374, 4375	3
TOTAL HOURS	39

MINOR IN CURRICULUM AND INSTRUCTION GRADES 8-12	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CI courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

ENGLISH DEPARTMENT MINORS

MINOR IN ENGLISH (Not available for English or English and Writing majors)	
<u>COURSE</u>	HOURS
ENGL 1310	3
ENGL 1320	3
ENGL 2310	3
ENGL 2320	3
Select 9 hrs from Advanced English courses	9
TOTAL HOURS	21

GEOSCIENCES

Visiting Instructor Lewis

Mission and Goals:

Our mission is to:

1. offer general education courses to support the university.
 2. offer courses to support appropriate majors at the university.
- Our goals are to produce students who are:
1. knowledgeable about the scientific method and how it is used.
 2. knowledgeable about the earth, its materials and processes.

Courses Taught:

GEOS 1405	<i>Environmental Geology</i>
GEOS 1410	<i>Physical Geology</i>
GEOS 2420	<i>Meteorology</i>

CENTER FOR GLOBAL LEADERSHIP

Associate Professor Waters, Director

Success on personal, social, ethical, and financial levels is increasingly dependent upon global knowledge and intercultural awareness, particularly in the globally interconnected environment of the 21st century. McMurry's *Center for Global Leadership* (CGL) equips students for success in this rapidly changing environment. The association of American Colleges and Universities (AAC&U) identifies four goals that characterize global learning in higher education. The goals are:

1. To generate new knowledge about global studies
2. To spur greater civic engagement and social responsibility
3. To promote deeper knowledge of, debate about, and practice of democracy
4. To cultivate intercultural competencies

The CGL addresses these goals through...

...providing a central office through which students, faculty, and staff may access:

- Study abroad and student exchange opportunities
- Departmental travel opportunities
- Policies, procedures, and forms required for travel

...promoting an annual theme: The three year theme for academic years 2015-2018 is *Ubuntu*. *Ubuntu* is a term derived from Zulu, Xhosa, Swati, and Ndebele meaning *I am because we are*. The coming academic year will serve as a time of awareness-raising and preparation concerning pedagogical uses of a university theme. In coming years, each theme will be on a three-year cycle.

... a commitment to the ten basic principles of the Academic Impact Initiative of the United Nations (<http://academicimpact.org/engpage.php?engprinciples>)

...overseeing the Servant Leadership program

...promoting curricular development in global learning: The following courses, identified by department chairs, are particularly rich in global learning content.

ARTS 1300	Exploring the Visual Arts
ARTS 2301	Art History I
ARTS 2302	Art History II
ARTS 3322	Modern Art History
ARTS 3323	Non-European Art
BIED 3336	Hispanic Culture and Civilization
BIED 3375	Mexico
BIMS 4X91	Advanced Topics in Microbiology and Public Health
BIOL 2110	Environmental Seminar
BIOL 4340	Biology Field Studies
BIOL 4430	Ecology
CHEM 3440	Environmental Chemistry
COIS 4305	Student Teaching in the ESL or BIED Classroom
COSC 3315	Information and Communication Technologies
ECON 2310	Principles of Macroeconomics
ENGL 2310	Masterpieces of British Literature
ENGL 2320	Masterpieces of World Literature
ENGL 3310	Medieval English Literature
ENGL 3313	World Literature
ENGL 3320	English Renaissance
ENGL 3330	Restoration and 18th Century English Literature
ENGL 3341	English Romanticism
ENGL 3342	The Victorian Period
ENGL 4309	Holocaust through the Eyes of Elie Wiesel
FNAR 2310	Survey of Fine Arts
FINC 4340	International Financial Markets
GREK	Greek. All language courses contribute to global competency.
HIST 1310	World Civilization to 1500
HIST 1320	World Civilization Since 1500

HIST 2330	Virtue in World History	THRE 3350	Theatre History and Dramatic Literature: Greeks to 19th Century
HIST 3314	Spanish Texas	THRE 3365	Theatre History and Dramatic Literature: 19th Century to Present
HIST 3315	Texas Revolution and Republic	THRE 4363	American Musical Theatre
HIST 3320	The Grand Tour of Texas	TOUR 3340	Heritage Tourism
HIST 3331	Modern Britain		
HIST 3358	Greece and Rome: An Introduction to the Classical World		
HIST 3359	The Middle Ages: The Crucible of Western Civilization		
HIST 3360	Renaissance and Reformation		
HIST 3363	Nineteenth Century Europe		
HIST 3364	Twentieth Century Europe		
HIST 3375	Mexico		
HIST 4360	Russia and the Soviet Union		
HIST 4365	Modern Germany		
HIST 4375	Special Topics in World History		
MULH 2301	Music Appreciation		
MULH 2380	Introduction to Music History		
MULH 3375	Western Music 1450-1800		
MULH 3380	Western Music 1800-present		
NURS 4335	Community and Public Health Nursing		
NURS 4371	Health Care Missions		
PHIL 2350	Introduction to Philosophy		
PHIL 3300	History of Ancient Philosophy		
PHIL 3305	Medieval Philosophy		
PHIL 3310	History of Modern Philosophy		
PHIL 3341	Classical German Political Philosophy		
PHIL 4310	Contemporary Philosophy		
POSC 1310	Introduction to Politics		
POSC 2350	Contemporary Global Issues		
POSC 3310	Political and Cultural Geography		
POSC 3350	Comparative Politics		
POSC 3355	International Relations		
POSC 3360	Modern Political Philosophy		
POSC 3365	International Organizations		
POSC 3375	Model United Nations		
POSC 4340	American Foreign Policy		
POSC 4360	International Political Economy		
PSYC 3340	Social Psychology		
PSYC 4320	Psychology of the Criminal Mind		
PSYC 4399	Multicultural Psychology		
READ 3334	Reading and Language Arts in the Multilingual Classroom		
RELI 1330	Introduction to Christianity		
RELI 2350	Religions of the World		
RELI 3310	Eastern Orthodox Theology		
RELI 3315	Catholic and Protestant Theology in Dialogue		
RELI 3330	Christian Ethics		
RELI 3375	History of Christianity to 1500		
RELI 3385	History of Christianity from 1500		
RELI 3390	Christianity in Scotland		
RELI 4375	Augustine, Anselm, Aquinas, and Luther		
RELI 4380	The Methodist Movement, Pietism and Evangelical Revival		
SRLD 1300	Introduction to Ethics		
SRLD 1310	Concepts and Techniques of Servant Leadership		
SRLD 2310	Formation in Servant Leadership		
SRLD 3310	Theories of Leadership		
SRLD 3320	Dialogue with the Other		
SOCI 2310	World Societies I		
SOCI 2320	World Societies II		
SOCI 3330	Social Stratification		
SOCI 3350	Race and Ethnicity		
SOCI 3370	Gender and Society		
SOCI 3392	Social Policy		
SOCI 4330	Sociology of Religion		
SOCI 4335	Women and Crime		
SOCI 4385	Comparative Criminology		
SPAN	Spanish. All language courses contribute to global competency.		

History

DEPARTMENT OF HISTORY

Professor Shanafelt, Department Chair

Professors Frazier, Hardin

Associate Professor Maberry

Mission and Goals:

Graduates of the History Department at McMurry University will demonstrate:

1. Knowledge of core factual data: major U.S. history trends and figures.
2. Knowledge of core factual data: major world history trends and figures.
3. Ability to conduct research, collect data, and analyze and draw conclusions from that data.
4. Basic reading/writing/composition skills.
5. Effective public presentation skills.
6. Personal discipline and study habits.

Special Programs and Opportunities

Hunter Holland History Endowed Scholarship. This scholarship is awarded to an incoming freshman honors student who intends to major in history. It is automatically renewable for four years.

Other scholarships. The Ruth Barr McDaniel Endowed Scholarship is awarded to a history major actively engaged with the McWhiney History Education Group. It is given on an annual basis, as is the Maxine Durrett Earl Charitable Foundation Scholarship, which goes to a history major from Garza County or the surrounding area. The Susan M. Evans and J.L. and Virginia Rhoades scholarships rotate each year between the history and political science departments.

Vernie Newman Award. This distinction, named after a long-time faculty member, is given annually to the outstanding senior with a major or teaching field in history.

Departmental Honors. Please see the description of the Honors Program under the Special Programs section earlier in the catalog.

Phi Alpha Theta. Phi Alpha Theta is a history honorary society with chapters on more than 700 campuses across the United States. Membership is based on completion of 2/3 of the course requirements for graduation, rank in the upper 35% of one's class, a 3.0 overall GPA, and at least 12 semester hours of history credit with a 3.1 GPA or better in those courses. Chapter activities include projects and field trips.

Walter Prescott Webb Historical Society. The Walter Prescott Webb Historical Society works through college and university history departments to encourage students to discover, research, write, and publish the history of Texas as they find it where they live. Local, community, and regional history comprise the focal point of chapter activities.

Courses Taught in the History Department:

HIST 1310	World Civilization to 1500
HIST 1320	World Civilization Since 1500
HIST 2310	United States to 1877
HIST 2320	United States Since 1865
HIST 2330	Virtue in World History
HIST 2340	Virtue in American History
HIST 3310	Texas
HIST 3331	Modern Britain
HIST 3351	The Early American Republic 1787-1848
HIST 3352	Civil War and Reconstruction
HIST 3354	Contemporary United States
HIST 3358	Greece and Rome: Introduction to the Classical World
HIST 3359	The Middle Ages: Crucible of the Western Civilization
HIST 3360	Renaissance and Reformation

HIST 3363	Nineteenth Century Europe
HIST 3364	Twentieth Century Europe
HIST 3375	Mexico
HIST 3377	Historiography and Methods
HIST 432(a-d)	Great Books and History
HIST 4330	The Wild West
HIST 4345	Special Topics in American History
HIST 4354	The U.S. in the Era of World War
HIST 4360	Russia and the Soviet Union
HIST 4365	Modern Germany
HIST 4375	Special Topics in World History
HIST 4380	Senior Research Seminar
HIST 4X95	Independent Studies
HIST 4X96H	Honors Tutorial
HIST 4X97H	Senior Thesis
TOUR 3340	Heritage Tourism
TOUR 4388	Heritage Tourism Internship

BACHELOR OF ARTS HISTORY

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN HISTORY (3-6 hours may also meet general education requirements)	
<u>HISTORY</u>	HOURS
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
Select 6 hrs from HIST 3310, 3351, 3352, 3354, 4330, 4345, 4354, TOUR 3340	6
Select 6 hrs from HIST 3331, 3358, 3359, 3360, 3363, 3364, 3375, 432(a-d), 4360, 4365, 4375	6
Select 6 hrs from Advanced U.S. or World History Courses	6
TOTAL HOURS	36
History 3377 is offered only in the spring semester and should typically be taken at the end of a student's sophomore year. History 4380 is offered only in the fall and should be taken at the start of a student's senior year.	

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS HISTORY GRADES 8-12

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

HISTORY GRADES 8-12	
(3-6 hours may also meet general education requirements)	
<u>COURSE</u>	HOURS
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
Select 6 hrs from HIST 3310, 3351, 3352, 3354, 4330, 4345, 4354, TOUR 3340	6
Select 6 hrs from HIST 3331, 3358, 3359, 3360, 3363, 3364, 3375, 432(a-d), 4360, 4365, 4375	6
Select 6 hrs from Advanced U.S. or World History Courses	6
TOTAL HOURS	36
HIST 3377: Historiography and Methods is offered only in the spring semester and should typically be taken at the end of a student's sophomore year. HIST 4380: Senior Seminar is offered only in the fall semester and should be taken at the start of a student's senior year.	

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:
This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS SOCIAL STUDIES 8-12

MINORS IN SOCIAL STUDIES AND CURRICULUM AND INSTRUCTION ARE REQUIRED

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

HISTORY GRADES 8-12 (9 hours may also meet general education requirements) *See note on page 144	
<u>COURSE</u>	HOURS
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
Select 6 hrs from HIST 3310, 3351, 3352, 3354, 4330, 4345, 4354, TOUR 3340	6
Select 6 hrs from HIST 3314, 3331, 3358, 3359, 3360, 3363, 3364, 3375, 432(a-d), 4360, 4365, 4375	6
Select 6 hrs from Advanced U.S. or World History Courses	6
TOTAL HOURS	36

MINOR IN SOCIAL STUDIES GRADES 8-12 (Not available for Political Science majors)	
<u>COURSE</u>	HOURS
POSC 2310	3
POSC 2320	3
POSC 3310	3
ECON 2310	3
ECON 2320	3
Select 3 hrs from POSC 4330, 4335	3
Select 3 hrs from POSC 4340, 4350	3
TOTAL HOURS	21

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

HISTORY DEPARTMENT MINORS

MINOR IN HISTORY	
(Not available for History, and Social Studies majors) (Not available for MS degrees with Teaching Field in Social Studies)	
<u>COURSE</u>	HOURS
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
Select 6 hours from Advanced History Electives	6
TOTAL HOURS	18

MINOR IN HERITAGE AND CULTURAL TOURISM	
<u>COURSE</u>	HOURS
ACCT 2310	3
MGMT 3310	3
MKTG 3370	3
TOUR 3340	3
TOUR 4388	3
Select 3 hours from MKTG 3380, 4350, 4380 BUSI 3350	3
TOTAL HOURS	18

INTERDISCIPLINARY STUDIES

Professor Parris, Director

The Bachelor of Interdisciplinary Studies (BIS) degree is a flexible program allowing students to customize their college degree. It is intended for students who want to obtain broad knowledge through pursuit of three different concentrations. All BIS students complete the regular general education course work but have no traditional major or minor. Instead they complete a set of prescribed courses in each of three different BIS concentrations of their choice, drawn from participating departments from across campus.

BIS concentrations must contain at least nine (9) advanced hours of course work. Departments may offer different course groupings for different BIS concentrations. Double majoring is not an option with this degree, nor is selection of a minor or pursuing a double degree. The BIS degree requires two additional courses, which represent a hybrid of the additional requirements for BA and BS degrees: one semester of college language, and one additional course in a lab science or math (1311 or above). BIS students must also complete a capstone course within one of their concentrations. This capstone is intended to foster the integration of the fields of study into a coherent project that demonstrates depth of learning and interdisciplinary connections.

The following concentrations are available at this time:

Art
Administration of Coaching
Allied Health
Business
Christian Ministry
Criminology
Early Childhood Education
Ethics
History
Kinesiology
Multimedia Applications
Music
Psychology
Servant Leadership
Sociology
Theatre

BACHELOR OF INTERDISCIPLINARY STUDIES

A MINOR CANNOT BE SELECTED WITH THE BACHELOR OF INTERDISCIPLINARY STUDIES DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOC1 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MUILH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOC1 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOC1 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

INTERDISCIPLINARY STUDIES	
COURSE	HOURS
Please select three Interdisciplinary Concentrations from the following page.	54-64
CAPSTONE COURSE	3
SUPPORTING COURSES	
MATHEMATICS / NATURAL SCIENCE (3-4 hrs) Select 3-4 hrs (<i>not taken in General Education</i>) from MATH 1311 or higher OR Any Natural Science Course	3-4
FOREIGN LANGUAGE (4 hrs) Select 4 hrs from French, German, Greek, or Spanish	4
TOTAL HOURS Fields of Study + SUPP COURSES	64-75

PLEASE NOTE!
<i>Students cannot select a double degree, double major, or a minor with the Bachelor of Interdisciplinary Studies degree.</i>

FOREIGN LANGUAGE REQUIREMENT:
This major requires one semester of a foreign language at the college level or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF INTERDISCIPLINARY STUDIES CONCENTRATIONS

ART	
<u>COURSE</u>	<u>HOURS</u>
ARTS 1300	3
ARTS1310	3
ARTS 1313	3
ARTS 2300	3
Select 9 advanced hrs from ARTS Electives	9
TOTAL HOURS	21

CHRISTIAN MINISTRY	
<u>COURSE</u>	<u>HOURS</u>
RELI 1330	3
RELI 2330	3
RELI 2340	3
RELI 2310	3
RELI 3335	3
RELI 4388	3
Select 3 hrs from RELI advanced courses	3
TOTAL HOURS	21

ALLIED HEALTH	
<u>COURSE</u>	<u>HOURS</u>
BIOL 2401	4
BIOL 2402	4
Select 8 hrs from (CHEM 1405 & 1406) or (CHEM 1410 & 1420)	8
Select 6 hrs from BIOL 3403 BIMS 3430 KINE 3307 KINE 3321 KINE 3331 NURS 3410 MATH 3351	6
TOTAL HOURS	22

CRIMINOLOGY	
<u>COURSE</u>	<u>HOURS</u>
SOCI 2315	3
SOCI 3325	3
SOCI 3335	3
SOCI 3345	3
SOCI 3355	3
SOCI 4325	3
TOTAL HOURS	18

ADMINISTRATION OF COACHING (Cannot be selected with Kinesiology)	
<u>COURSE</u>	<u>HOURS</u>
KINE 2335	3
KINE 3100	1
KINE 3321	3
KINE 4320	3
KINE 4325	3
KINE 4330	3
KINE 4388	3
Select 4 hrs from KINE 2211, 2212, 2213, 2214,	4
TOTAL HOURS	23

EARLY CHILDHOOD EDUCATION	
<u>COURSE</u>	<u>HOURS</u>
READ 3300	3
ECED 3300	3
READ 3315	3
READ 3380	3
COSC 1305	3
Select 3 hrs from ARTS 3370 KINE 3340 THRE 3360	3
TOTAL HOURS	18

BUSINESS	
<u>COURSE</u>	<u>HOURS</u>
BUSI 1310	3
ACCT 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4370	3
Select 3 hrs from ACCT 3305, BUSI 3350, or any adv. MGMT or MKTG course	3
TOTAL HOURS	18

ETHICS	
<u>COURSE</u>	<u>HOURS</u>
SRLD 1300	3
PHIL 2350	3
RELI 3320	3
RELI 3330	3
PHIL 3330	3
BUSI 4385	3
Select 3 hrs from Any Advanced Philosophy Course	3
TOTAL HOURS	21

BACHELOR OF INTERDISCIPLINARY STUDIES CONCENTRATIONS

HISTORY	
<u>COURSE</u>	<u>HOURS</u>
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
Select 9 hours from Advanced History Electives	9
TOTAL HOURS	21

PSYCHOLOGY	
<u>COURSE</u>	<u>HOURS</u>
PSYC 1340	3
Select 9 hrs from PSYC 2360, 3301, 3320, 3340, 3382, 4300, 4341, 4375	9
Select 6 hrs from Advanced Psychology Electives	6
TOTAL HOURS	18

KINESIOLOGY (Cannot be selected with Administration of Coaching)	
<u>COURSE</u>	<u>HOURS</u>
KINE 2330	3
KINE 2335	3
KINE 4388	3
Select 6 hrs from KINE 3321, 3340, 3350, 4320, 4325	6
Select 1 hour from each of the following 3 groups	
HFIT 1120-1129	1
HFIT 1130-1139	1
HFIT 1140-1149	1
Select 3 hrs advanced Kinesiology KINE 3*, 4*	3
TOTAL HOURS	21

SERVANT LEADERSHIP	
<u>COURSE</u>	<u>HOURS</u>
SRLD 1310	3
HIST 2330 or SOCI 2310	3
HIST 2340 or SOCI 2320	3
SRLD 2310	3
SRLD 3310	3
SRLD 3320	3
SRLD 4388	3
TOTAL HOURS	21

MULTIMEDIA APPLICATIONS	
<u>COURSE</u>	<u>HOURS</u>
ARTS 1310	3
ARTS 3330	3
MMAP 2310	3
MMAP 2340	3
MMAP 3310	3
MMAP 3320	3
TOTAL HOURS	18

SOCIOLOGY	
<u>COURSE</u>	<u>HOURS</u>
SOCI 2300	3
SOCI 2350	3
SOCI 3330	3
SOCI 3350	3
SOCI 3360	3
SOCI 3392	3
TOTAL HOURS	18

MUSIC	
<u>COURSE</u>	<u>HOURS</u>
MUTH 1330 - MUTH 1130	4
MUTH 1340 - MUTH 1140	4
MULH 2380	3
Select 9 hrs from Advanced electives	9
Principal Instrument 4 semesters	4
Ensemble 2 Semesters	2
MUSI 1000 - Recital Attendance (minimum of 4 semesters)	0
TOTAL HOURS	26

THEATRE	
<u>COURSE</u>	<u>HOURS</u>
THRE 2330	3
THRE 2340	3
THRE 2210	2
THRE 3210	2
THRE 3320	3
Select 6 hrs from Advanced Theatre Electives	6
TOTAL HOURS	19

DEPARTMENT OF KINESIOLOGY & HEALTH FITNESS

Professor Rutledge, Department Chair

Professors Parris, Smith

Assistant Professor Poole

Instructors McMurray, Sanderson

Mission and Goals:

The mission and Goals of the Department of Kinesiology and Health Fitness are for students to:

1. Acquire knowledge, attitudes, and habits necessary to maintain health and achieve physical and emotional well-being. Students will learn how to be physically well, develop physical skills, and demonstrate satisfactory competence in a variety of fitness techniques and activities, including adaptations for clients with limited abilities or medical conditions.
2. Think critically and communicate new ideas. Students will actively use intellectual and creative problem-solving during sessions of Kinesiology and Health Fitness courses.
3. Prepare adequately for professional careers related to physical education and exercise science. Students majoring or minoring in Kinesiology programs will project personal goals, investigate career requirements, select appropriate degree plans, and make successful efforts to learn in each course offered by the Department of Kinesiology and Health Fitness.

Special Programs and Opportunities:

Kinesiology Klub. The McMurry Kinesiology Klub is open to all interested students. It is affiliated with the Texas Association for Health, Physical Education, Recreation, and Dance. Activities include programs with guest professionals, field trips to professional meetings and workshops, and fund-raising activities. Qualifying members are inducted each spring into the national fraternity, Phi Epsilon Kappa.

Phi Epsilon Kappa: In the fall of the academic year, the department of Kinesiology at McMurry University actively encourages its majors and minors to be members of the Klub (spelled with a K for Kinesiology). In the spring semester, the sponsors review the grades and the service credits of the Klub members. Only those who have attained highest standards are inducted into Phi Epsilon Kappa, the national departmental fraternity.

Departmental Awards. Each Spring, six awards are presented to outstanding students who are engaged in professional preparation in this department. The Hadley and McCowen Scholarships are awarded to students in the Athletic Training program. The Swagerty, Seidel, Stith, and Feris awards are given to juniors displaying leadership in kinesiology.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

PRE-LICENSE ATHLETIC TRAINING / SPORTS MEDICINE PROGRAM

Advisor: Mrs. Janet McMurray

Admission to the Athletic Training Program is selective, based on application to the program (available online), academic standing, interview with the Head Athletic Trainer, and acceptance from the Head Athletic Trainer to enter the program.

This program has been approved by the Texas State Department of Health for pre-license preparation in athletic training. Students in this program may choose the ESHP athletic trainer concentration, All Level PE certification with Athletic Trainer options, or declare a major outside the Department of Kinesiology and elect to take the course work required by the Texas Department of State Health Services, (www.dshs.state.tx.us) to take their respective test for licensure. These requirements will be in addition to other requirements of their chosen degree:

PRE-LICENCE ATHLETIC TRAINING / SPORTS MEDICINE		HOURS
Select 6 hrs from KINE 1121, 1122, 2121, 2122, 3121, 3122, 4121, 4122 (These above labs satisfy the 1800 clock hours of supervised work in the training room required by the state of Texas)		6
BIOL 2401		4
KINE 2261	Assessment of Athletic Injuries	2
KINE 2335	Accident Prevention and Care of Injuries	3
KINE 3307	Nutrition for the Health Sciences	3
KINE 3321	Anatomical Kinesiology	3
KINE 3331	Personal and Community Health	3
KINE 3380	Therapeutic Modalities and Rehab. of Athletic Injuries	3
KINE 4100	Applied Pharmacology for Athletic Trainers	1
KINE 4325	Risk Management in Exercise Science	3
KINE 4340	Advanced Techniques of Athletic Training	3
Additional training/certification needed CPR, and First Aid Certification		
TOTAL HOURS		34

Courses Taught in the Kinesiology Department:

HFIT 1120	Racquet Sports
HFIT 1130	Team Sports
HFIT 1140	Aerobics
HFIT 1141	Fitness Aquatics
HFIT 1143	Power Walking
HFIT 1144	Introductory Jogging
HFIT 1190	Personal Fitness
HFIT 1192	Circuit Training
HFIT 1193	Group Exercise
HFIT 1200	Fitness For Living Modified
HFIT 1210	Fitness For Living
HFIT XX99	Special Topics
KINE 1121-4122	Apprentice Athletic Trainer Laboratory
KINE 2145	Fundamentals of APA Style
KINE 2211	Coaching Football
KINE 2212	Coaching Basketball
KINE 2213	Coaching Volleyball
KINE 2214	Coaching Track and Field
KINE 2261	Assessment of Athletic Injuries
KINE 2330	Foundations of Exercise Science
KINE 2335	Accident Prevention and Care of Injuries
KINE 3100	University Interscholastic League Rules
KINE 3245	Writing Using APA Style
KINE 3300	Statistics for Measurement and Evaluation in KINE
KINE 3302	Introduction to Motor Learning
KINE 3307	Nutrition for the Health Sciences
KINE 3310	Exercise Prescription
KINE 3320	Exercise Leadership
KINE 3321	Anatomical Kinesiology
KINE 3325	Biomechanical Kinesiology
KINE 3330	Adapted Physical Activity and Sport
KINE 3331	Personal and Community Health
KINE 3340	Instructional Strategies for Elementary School PE
KINE 3341	Movement and Rhythmical Activities for Children
KINE 3350	Instruction Strategies for Secondary School PE
KINE 3380	Therapeutic Modalities and Rehab. of Athletic Injuries
KINE 4100	Applied Pharmacology for Athletic Trainers
KINE 4120	Pedagogical Apprenticeship
KINE 4220	Laboratory Testing in Exercise Science
KINE 4245	Experimental Research and Writing in Exercise Science
KINE 4320	Physiology of Exercise
KINE 4325	Risk Management in Exercise Science
KINE 4330	Organization and Administration of Athletics
KINE 4340	Advanced Techniques of Athletic Training
KINE 4388	Internship (<i>Taken during last semester at McMurry</i>)
KINE 4X95	Independent Studies
KINE 4X96H	Honors Tutorial
KINE XX99	Special Topics

BACHELOR OF SCIENCE ALL LEVEL PHYSICAL EDUCATION

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE ALL LEVEL PHYSICAL EDUCATION

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

<u>ALL LEVEL PHYSICAL EDUCATION</u>	HOURS
KINE 2241	2
KINE 2330	3
KINE 2335	3
KINE 3230	2
KINE 3302	3
KINE 3321	3
KINE 3340	3
KINE 3350	3
KINE 4120	1
KINE 4320	3
Select 6 hrs from KINE 3300, 3307, 3310, 3331, 3399, 4325, 4330, 4399 OR KINE 3100 + (2 hrs from KINE 2211, 2212, 2213, 2214)	6
Select 1 course from H F 1200, 1210	2
Select 1 Racquet Sport from H F 1120-1129	1
Select 1 Team Sport H F 1130-1139	1
Select 1 Cardio Sport H F 1140-1149	1
Select 1 HF courses from H F electives	1
TOTAL	38

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:
8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE ALL LEVEL PHYSICAL EDUCATION WITH PRE-LICENSE ATHLETIC TRAINING

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE ALL LEVEL PHYSICAL EDUCATION

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

<u>ALL LEVEL PHYSICAL EDUCATION</u>	HOURS
BIOL 2401	4
KINE 2261	2
KINE 2335	3
KINE 3307	3
KINE 3321	3
KINE 3331	3
KINE 3380	3
KINE 4320	3
KINE 4340	3
Select 6 hrs from KINE 1121, 1122, 2121, 2122, 3121, 3122, 4121, 4122	6
Select 10 hrs (5 must be advanced) from KINE 3302, 3325, 3330, 3340, 3341, 3350, 4100, 4120, 4121, or 4122 BIMS 2105, 3205	10
Select 3 hrs from KINE 3100 + (2 hrs from KINE 2211, 2212, 2213, 2214) OR KINE 4325	3
Select 1 Racquet Sport from HFIT 1120-1129	1
Select 1 Team Sport HFIT 1130-1139	1
Select 1 Cardio Sport HFIT 1140-1149	1
TOTAL	49

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

**BACHELOR OF SCIENCE
EXERCISE SCIENCE AND HUMAN PERFORMANCE**

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN EXERCISE SCIENCE AND HUMAN PERFORMANCE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3
	6
	2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

EXERCISE SCIENCE AND HUMAN PERFORMANCE CORE	
(4 hours may also meet general education requirements)	
<u>EXERCISE SCIENCE & HUMAN PERFORMANCE CORE</u>	HOURS
BIOL 2401	4
KINE 2330	3
KINE 2145	1
KINE 3300	3
KINE 3307	3
KINE 3310	3
KINE 3321	3
KINE 4320	3
KINE 4388	3
TOTAL HOURS	26
Select one Concentration from the following page	44
TOTAL HOURS	70

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE EXERCISE SCIENCE AND HUMAN PERFORMANCE CONCENTRATIONS

PRE-LICENSE ATHLETIC TRAINING CONCENTRATION (3 hours may also meet general education requirements)	
<u>COURSE</u>	<u>HOURS</u>
Select 6 hrs from KINE 1121, 1122, 2121, 2122, 3121, 3122, 4121, 4122 (These above labs satisfy the 1800 clock hours of supervised work in the training room required by the state of Texas)	6
KINE 2261	2
KINE 2335	3
KINE 3325	3
KINE 3331	3
KINE 3380	3
KINE 4100	1
KINE 4325	3
KINE 4340	3
PSYC 1340	3
Select 11 hrs (2 hrs must be advanced) from BIMS 2105, 3205, 3430, BIOL 2402, 3403, BUSI 1310, 4385 FINC 3330 KINE 3245, 3302, 3320, 3330, 4245, 4220	11
Select 3 hrs from PSYC 3340, 3382, 3390, 4341	3
TOTAL HOURS	44

PERSONAL AND COMMUNITY FITNESS CONCENTRATION	
<u>COURSE</u>	<u>HOURS</u>
ACCT 2310	3
BUSI 3350	3
KINE 2335	3
KINE 3302	3
KINE 3320	3
KINE 3331	3
KINE 4220	2
KINE 4325	3
Select 1 Racquet Sport from HFIT 1120 - 1129	1
Select 1 Cardio Sport from HFIT 1140 - 1149	1
Select 1 course from HFIT 1130 - 1139 OR 1150 - 1199	1
Select 9 hrs from BA 1310, 4370, 4385 FIN 3330 MGMT 3310 MKTG 3370	9
Select 9 hrs (1 hour must be advanced) from BIMS 2105, 3205 BIOL 2402 KINE 2261, 3245, 3325, 3330, 4245, 4340 PSYC 4341, and/or any elective 3000-4000 level	9
TOTAL HOURS	44

PRE-PROFESSIONAL CONCENTRATION	
<u>COURSE</u>	<u>HOURS</u>
BIMS 3430	4
BIOL 2402	4
CHEM 1410	4
CHEM 1420	4
KINE 3302	3
KINE 3245	2
KINE 4220	2
KINE 4245	2
PHYS 1410	4
PHYS 1420	4
PSYC 1340	3
PSYC 4300	3
Select 5 hrs from BIMS 2105, 3205 BIOL X3XX, X4XX (3-4 hrs as required by professional school) KINE 2261, 2335, 3320, 3325, 3330, 3380, 4100, 4325, 4340 PREP 2105, 2106	
TOTAL HOURS	44

KINESIOLOGY DEPARTMENT MINORS

MINOR EXERCISE AND SPORTS STUDIES (Not available for ESHP and ALL Level Physical Education majors)	
<u>COURSE</u>	<u>HOURS</u>
KINE 2330	3
KINE 2335	3
KINE 3321	3
KINE 4320	3
KINE 4388	3
Select 3 hrs from KINE Advanced Electives, to complement career objectives	3
Select 1 Racquet Sport from HFIT 1120-1129	1
Select 1 Team Sport from HFIT 1130-1139	1
Select 1 Cardio Sport from HFIT 1140-1149	1
Select 1 HF courses from HFIT electives	1
TOTAL HOURS	22

MINOR ADMINISTRATION OF COACHING (Not available for ESHP and ALL Level Physical Education majors)	
<u>COURSE</u>	<u>HOURS</u>
KINE 2335	3
KINE 3100	1
KINE 3321	3
KINE 4320	3
KINE 4325	3
KINE 4330	3
Select 2 hrs from KINE 2211, 2212, 2213, 2214	2
TOTAL HOURS	18

DEPARTMENT OF MATHEMATICS

Associate Professor Flores Department Chair

Professor Martin

Associate Professors McCoun, Thornburg

Instructors Bein, Dita, Rieger, St Jean, Wemer

The mission of the department of mathematics is to:

1. Provide a foundation in mathematics that will prepare McMurry mathematics majors for a career or graduate school. We expect such students to be able to:
 - a. Communicate mathematical ideas in a written format.
 - b. Communicate mathematical ideas in an oral format.
 - c. Construct valid mathematical proofs.
 - d. Solve equations of various types.
 - e. Perform valid mathematical computations.
 - f. Use mathematical problem solving techniques.
 - g. Use mathematical modeling techniques.
 - h. Demonstrate an understanding of the basic tools of mathematics.
2. Provide mathematical course offerings that help other departments prepare their majors. We expect such students in these courses to be able to:
 - a. Solve equations of various types.
 - b. Perform valid mathematical computations.
 - c. Use mathematical problem solving techniques.
 - d. Demonstrate an understanding of the basic tools of mathematics covered in the course.
3. Provide courses that are appropriate for the McMurry general education requirements. We expect students in the math portion of the general education to be able to do 3 of the following:
 - a. Be able to solve problems using the techniques from a specific discipline of mathematics.
 - b. Be able to set up and manipulate mathematical models. (Setting up a mathematical model involves taking a situation and describing it in mathematical terms. The mathematical description can then be manipulated to answer questions about the original situation.)
 - c. Demonstrate an understanding of abstract mathematical systems. (Abstract mathematical systems are systems that have been developed as a generalization of some area of mathematics.)
 - d. Be able to apply and symbolically manipulate mathematical functions (such as trigonometric functions).
 - e. Demonstrate an understanding of geometric interpretations of mathematical concepts. (This could be a study of shapes or the study of the impact of shapes to understand some underlying mathematical concept.)

Mathematics Placement

Students whose academic placement results indicate a need for pre-college development in mathematics must register for and continually enroll in the corresponding developmental course(s) until it is passed with a grade of C- or better. Once students have met this requirement, they must enroll in the corresponding academic course(s). Courses numbered with a first digit of 0 are developmental and will not count towards any degree.

Special Programs and Opportunities:

Mathematics Club. The Mathematics Club is open to all students interested in mathematics. Activities might include programs of special interest, speakers, and field trips.

Kappa Mu Epsilon. This is a national honor society for students meeting the necessary academic requirements.

Departmental Awards. Each spring, awards are presented to outstanding students at the freshman, sophomore, junior, and senior levels. An outstanding junior is awarded the Jennie Tate and the Clyde A. and Mary Long Scholarship to be used during the student's senior year. An outstanding freshman, sophomore, or junior mathematics or mathematics education major is awarded the Paula McCoun Scholarship.

The Charles and Lisa Bloomer Research Stipend is a competitive award providing funding for any major from the School of Natural and Computational Sciences to support undergraduate research with a sponsoring faculty member during the fall/spring academic year. This program is administered by the Science and Mathematics Advisory Board.

William Lowell Putnam Competition A national competition held for students who are recommended by the mathematics faculty. This is held annually the first Saturday of December.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Mathematics Department:

MATH 0320	Introductory Algebra
MATH 0330	Intermediate Algebra
MATH 1311	College Algebra
MATH 1315	Contemporary Mathematics
MATH 1320	Pre-calculus
MATH 2315	Discrete Mathematics
MATH 2421	Calculus I
MATH 2322	Calculus II
MATH 2340	Linear Algebra
MATH 3301	Multivariable Calculus
MATH 3302	Intermediate Analysis
MATH 3321	College Geometry
MATH 3330	Teaching Elementary Math I EC-6
MATH 3331	Teaching Elementary Math II EC-6
MATH 3332	Theory of Secondary School Mathematics
MATH 3341	Ordinary Differential Equations
MATH 3351	Statistics
MATH 4301	Advanced Analysis I
MATH 4302	Advanced Analysis II
MATH 4321	Abstract Algebra I
MATH 4322	Abstract Algebra II
MATH 4331	Numerical Analysis with Computer Applications
MATH 4388	Internship
MATH 4X95	Independent Studies
MATH 4X96H	Honors Tutorial
MATH 4X97H	Senior Thesis of Project
MATH XX99	Special Topics

BACHELOR OF SCIENCE MATHEMATICS

A MINOR IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN MATHEMATICS

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN MATHEMATICS (3-7 hours may also meet general education requirements)	
<u>MATHEMATICS</u>	HOURS
MATH 2315	3
MATH 2421	4
MATH 2322	3
MATH 2340	3
MATH 3302	3
Select 3 hrs from MATH 3301, 3341	3
Select 9 hrs from MATH 4301, 4302, 4321, 4322	9
Select 9 hrs from MATH 3301, 3321, 3341, 3351, 4302, 4322, 4331, 4x95*, 4x99 *Maximum of 3 hours from special topics	9
SUBTOTAL HOURS	37
Supporting Courses	
COSC 1325	3
TOTAL HOURS	40

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE MATHEMATICS GRADES 4-8

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN MATHEMATICS GRADES 4-8

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MATHEMATICS GRADES 4-8	
(3-7 hours may also meet general education requirements)	
<u>COURSE</u>	HOURS
MATH 1320	3
MATH 2315	3
MATH 2421	4
MATH 2322	3
MATH 3330	3
MATH 3321	3
MATH 3332	3
MATH 3351	3
Select 3 hrs from MATH 2340, 3302	3
Select 6 hrs from Advanced MATH courses	6
TOTAL HOURS	34

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 4-8)	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4322	3
CURR 4323	3
CURR 4123	1
CURR 4198	1
CURR 4603	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF SCIENCE MATHEMATICS GRADES 8-12

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN MATHEMATICS GRADES 8-12

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MATHEMATICS GRADES 8-12	
(3-11 hours may also meet general education requirements)	
<u>COURSE</u>	HOURS
MATH 1320	3
MATH 2315	3
MATH 2421	4
MATH 2322	3
MATH 2340	3
MATH 3302	3
MATH 3321	3
MATH 3332	3
MATH 3351	3
Select 3 hrs from MATH 4301, 4321	3
Select 6 hrs from MATH 3301, 3341, 4301, 4302, 4321, 4322, 4331	6
Select 3 hrs from Advanced MATH courses	3
SUBTOTAL HOURS	40
SUPPORTING COURSES	
COSC 1325	3
PHYS 1410	4
TOTAL HOURS	47

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

MATHEMATICS DEPARTMENT MINORS

MINOR IN MATHEMATICS (Not available for Math majors)	
<u>COURSE</u>	HOURS
MATH 2421	4
MATH 2322	3
MATH 2340	3
Select 3 hrs from MATH 3301, 3341	3
Select 6 hrs from Math electives (a minimum of 3 hrs must be advanced)	6
TOTAL HOURS	19

DEPARTMENT OF MUSIC

Associate Professor Wilson, Dean of Arts and Letters

Associate Professor Wilcox, Division Chair

Associate Professor Wallis

Assistant Professor Ducey Moss

Instructor(s) Lloyd, Robinson

Mission and Goals:

The mission of McMurry University's Music Department is to promote student achievement through programs in the fields of education and performance. Degree programs provide a comprehensive education in music. The Department offers opportunities for students from all disciplines to participate in its programs, and serves as a center for community participation in the arts.

Musical study takes place in an open and supportive atmosphere, enabling students to explore music as an art form, and serving as preparation for professional development in musical employment.

The general academic requirements for admission to the Music Department degree program are the same as those required for admission to the other degree courses of McMurry University. Additional requirements established by the Department of Music are listed below.

Special Programs and Opportunities:

The Music Department provides a number of performance opportunities for all students attending McMurry University. As a general rule, membership in any performing ensemble is gained through audition with the particular instructor directing the ensemble. Further details regarding credit and requirements can be found herein under Applied Music.

Kappa Kappa Psi: Is a co-educational band service fraternity open to active members of the McMurry University Bands with a cumulative GPA of 2.0. The organization exists to provide leadership, musicianship, and support to the university band program. Regular attendance of meetings is required in addition to service and fundraising activities. New members are able to join each year after one semester of participating in meetings, membership education, and service projects.

Texas Music Educators Association (TMEA) and Texas Music Educators Conference (TMEC) Collegiate Student Chapter. These organizations are directly associated with MENC (Music Educators National Conference). The organization offers music students opportunities to enhance their understanding of all aspects of music education—general, choral and instrumental.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Requirements for Degrees in MUSIC (BA, BMED):

McMurry University offers the Bachelor of Arts Degree in Music and the Bachelor of Music Education degree. In addition to completing the coursework described under "Courses of Study" and under "Degree Outlines," candidates seeking degrees in Music must meet certain performance, grade, and attendance requirements. Please refer to the Music Department Student Handbook for further detail on requirements.

- 1. Entry Audition.** Each potential Music major must audition and be approved by 3 members of the Music Faculty before registering for music coursework. Approval of the Music Department Faculty is required to declare a Music Major.
- 2. Transfer Students.** Students who transfer from other institutions must have their previous coursework credits evaluated by the Music Department and must audition in order that their placement in the Music program can be determined.
- 3. Ensemble.** All Music majors and minors must be enrolled in a major ensemble each semester they are registered in coursework leading to a major or minor in music (except during the semester of student teaching)

- 4. Applied Lessons.** All Music majors must be enrolled in their specific applied instrument each semester until completion of their recital requirement.
- 5. Juries and Sophomore Proficiency Exam.** All Music majors are required to pass a jury at the end of each semester as part of the Applied Music requirement in their principal instrument or voice. The jury will be comprised of members of the music faculty. The jury at the end of the sophomore year or fourth semester constitutes a sophomore proficiency exam, and students must successfully pass this jury before taking junior or senior-level applied music lessons. Specific skills and proficiencies necessary to pass the sophomore proficiency exam are determined by the music faculty according to the area. (Refer to the music department student handbook for details.)
- 6. Music Hours.** Music hours are the recital experience ("lab") for all Applied Music study. Music students under the direction of their instructors should plan to perform at Music Hours. Music Hour attendance is also mandatory for Music majors and is monitored through MUS 1000: Recital Attendance.
- 7. Piano Proficiency.** All Music majors must complete and pass a minimum of two semesters of piano study. Additionally, Music majors are required to demonstrate a piano proficiency administered incrementally at the end of each semester of piano study. The piano proficiency requirements determined by the Music Faculty are found in the Department of Music Student Handbook. Private piano lessons may be substituted for any or all of the class piano requirements at the discretion of the piano faculty. Music majors are required to take piano each semester until their proficiency is satisfied. Passage of the piano proficiency is a prerequisite for registration for a recital.
- 8. Recital.** Students are required by their degree plans to perform a recital in their senior year. Prior to enrolling for recital credit, the student must pass the sophomore and piano proficiencies. Students will be required to perform a minimum of 30 minutes of music at the discretion of their applied instructor. In addition to a degree recital, students can choose to perform a non-degree recital during their junior year of study with the approval of their applied instructor. In order to be eligible for any public recital, students must pass a recital hearing which will be performed privately for a faculty jury at least two weeks prior to the recital date. (Procedures related to recital scheduling can be found in the Music Department Student Handbook). This is the capstone course for the BA in Music.
- 9. Grade Point Requirements.** Every Music major must maintain at least a 2.0 average grade point in all Music coursework during the first sixty (60) hours of study at McMurry University. At the discretion of the Music faculty, Music majors who fail to achieve a 2.0 average grade point for any two consecutive semesters of Applied Music study in their principal instrument or voice will be advised to pursue another major or another concentration.
- 10. Attendance.** All music majors are required to accumulate a certain number of points each semester by attending recital and concerts on and off campus. Students are expected to attend as many McMurry recitals, concerts, and music hour performances as possible. Attendance is monitored through enrollment in MUS 1000. A list of required events will be published at the beginning of each semester.

APPLIED MUSIC (MUAP)

There are two types of activities involved in the area of Applied Music: music lessons and music ensembles.

A Voice	J Trumpet
B Piano	K Horn
C Organ	L Trombone
D Flute	M Baritone
E Oboe	N Tuba
F Clarinet	P Percussion
G Saxophone	S Strings
H Bassoon	X Special Lessons

Prerequisite for Applied Music lessons in organ include a demonstrable keyboard proficiency (to the level of performance of a Bach two-part invention or easier classical sonatina) and permission of instructor.

One hour credit music lessons involve a single half-hour lesson per week. Two-hour credit Applied Music lessons involve either a single hour lesson per week or two half-hour lessons per week. Class piano is designed for beginning piano students including both Music majors and non-majors. It is designed to satisfy the Music Department piano proficiency requirements for Music majors. Class piano, offered in a four semester sequence, is numbered as follows: 1113, 1114, 1115, 1116. All class piano students must enroll for the courses in sequence. Advanced placement will be determined by the piano faculty of the Music Department. Each music ensemble is assigned an individual course number, and students receive one hour of credit per semester for any ensemble regardless of the amount of actual rehearsal and performance time required. Membership in music ensembles is open to anyone, but students must receive permission of instructor before enrolling for credit.

0111 Marching Band	0112 Wind Ensemble
0113 Symphonic Band	0120 Chanters
0122 McM Sounds	0135 Percussion Ensemble
0140 Woodwind Ensemble	0145 Brass Ensemble
0150 Jazz Ensemble	0155 Opera Workshop

Courses Taught in the Music Department:

MULH 2301	Music Appreciation
MULH 2380	Introduction to Music History
MULH 3375	Western Music 1450-1800
MULH 3380	Western Music 1800-Present
MULH 4X95	Independent Studies
MULH XX99	Special Topics

MUTH 1130	Aural Skills I
MUTH 1140	Aural Skills II
MUTH 1330	Theory I
MUTH 1340	Theory II
MUTH 3130	Aural Skills III
MUTH 3140	Aural Skills IV
MUTH 3330	Theory III
MUTH 3340	Theory IV
MUTH 4210	Forms and Styles
MUTH 4250	Orchestration and Arranging
MUTH 4X95	Independent Studies

MUAP 0111	Marching Band
MUAP 0112	Wind Ensemble
MUAP 0113	Symphonic Band
MUAP 0120	Chanters
MUAP 0122	McM Sounds
MUAP 0135	Percussion Ensemble
MUAP 0145	Brass Ensemble
MUAP 0150	Jazz Ensemble
MUAP 0155	Opera Workshop
MUAP 1113	Class Piano I
MUAP 1114	Class Piano II
MUAP 1115	Class Piano III
MUAP 1116	Class Piano IV

MUED 1305	Introduction to Music Education
MUED 3113	string Techniques and Methods
MUED 3114	Flute and Saxophone Methods
MUED 3115	Clarinet and Double Reed Methods
MUED 3116	High Brass Methods
MUED 3117	Low Brass Methods
MUED 3118	Percussion Techniques and Methods I
MUED 3119	Percussion Techniques and Methods II
MUED 3220	Fundamentals of Conducting
MUED 3221	Advanced Instrumental Conducting
MUED 3222	Advanced Choral Conducting
MUED 3230	Survey of Elementary Materials
MUED 3235	Vocal Pedagogy
MUED 3250	Marching and Jazz Methods
MUED 3291	Singer's Diction I
MUED 3292	Singer's Diction II
MUED 4200	Music Teaching Practicum I
MUED 4210	Music Teaching Practicum II
MUED 4X95	Independent Studies
MUED XX99	Special Topics

MUSI 1000	Recital Attendance
MUSI 2000	Applied Proficiency
MUSI 2001	Keyboard Proficiency
MUSI 4000	Senior Recital

BACHELOR OF ARTS MUSIC

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN MUSIC	
<u>MUSIC</u>	HOURS
MUTH 1330 - MUTH 1130	4
MUTH 1340 - MUTH 1140	4
MUTH 3330 - MUTH 3130	4
MUTH 3340 - MUTH 3140	4
MULH 2380	3
MULH 3375	3
MULH 3380	3
MUAP 1113	1
MUAP 1114	1
MUAP 1115	1
MUAP 1116	1
MUSI 1000—Recital Attendance (Enroll for 8 Semesters)	0
MUSI 2000 Applied Proficiency	0
MUSI 2001 Keyboard Proficiency	0
Ensembles (Enroll for 8 semesters) <i>It may be necessary, as determined by the Music department, for BA majors to take 8-16 hours of ensembles.</i>	8
Principal Instrument (Enroll for 8 Semesters) (Must include 4 advanced semesters) <i>It may be necessary, as determined by the Music department, for BA majors to take 8-16 hours of applied principal instrument.</i>	8
MUSI 4000 Senior recital	0
TOTAL HOURS	45

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF MUSIC EDUCATION INSTRUMENTAL EMPHASIS

Music

This Degree is considered a 4½ - 5 year degree program

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF MUSIC EDUCATION DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

GENERAL EDUCATION REQUIREMENTS	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * <small>*(for students age 30 or above, or medical exemption)</small>	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

INSTRUMENTAL EMPHASIS	
MUSIC EDUCATION	HOURS
MUTH 1330 - MUTH 1130	4
MUTH 1340 - MUTH 1140	4
MUTH 3330 - MUTH 3130	4
MUTH 3340 - MUTH 3140	4
MUTH 4210	2
MUTH 4250	2
MULH 2380	3
MULH 3375	3
MULH 3380	3
MUED 1305	3
MUED 3220	2
MUED 3221	2
MUED 3230	2
MUED 3235	2
MUED 3250	2
MUED 4200	2
MUED 4210	2
Select 5 hours (exclude class with major instrument) MUED 3113, MUED 3114, MUED 3115, MUED 3116, MUED 3117, MUED 3118, MUED 3119	5
MUAP 1113, 1114, 1115, 1116	4
MUSI 1000—Recital Attendance (Enroll for 7 Semesters)	0
MUSI 2000 Applied Proficiency	0
MUSI 2001 Keyboard Proficiency	0
Ensembles (Enroll for 7 semesters) <i>It may be necessary, as determined by the Music department, for BME majors to take 7-14 hours of ensembles.</i>	7
Principal Instrument (Enroll for 7 Semesters, 3 semesters must be advanced) <i>It may be necessary, as determined by the Music department, for BME majors to take 7-14 hours of applied principal instrument.</i>	7
MUSI 4000 Senior recital	0
TOTAL HOURS	69

MINOR IN CURRICULUM AND INSTRUCTION	
COURSE	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:
8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF MUSIC EDUCATION CHORAL EMPHASIS

This Degree is considered a 4½ - 5 year degree program

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF MUSIC EDUCATION DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

CHORAL EMPHASIS	
<u>MUSIC EDUCATION</u>	HOURS
MUTH 1330 - MUTH 1130	4
MUTH 1340 - MUTH 1140	4
MUTH 3330 - MUTH 3130	4
MUTH 3340 - MUTH 3140	4
MUTH 4210	2
MUTH 4250	2
MULH 2380	3
MULH 3375	3
MULH 3380	3
MUED 1305	3
MUED 3220	2
MUED 3222	2
MUED 3230	2
MUED 3235	2
MUED 3291	2
MUED 3292	2
MUED 4200	2
MUED 4210	2
Select 1 course from each group (3 hrs) (MUED 3113 , MUED 3114, MUED 3115) (MUED 3116, MUED 3117) (MUED 3118, MUED 3119)	3
Select 2 hrs from (not previously selected above) (MUED 3114,3115,3116,3117,3118,3119)	2
MUAP 1113, 1114, 1115, 1116	4
MUSI 1000—Recital Attendance (Enroll for 7 Semesters)	0
MUS 2000 Applied Proficiency	0
MUSI 2001 Keyboard Proficiency	0
Ensembles (Enroll for 7 semesters)	7
Voice (Enroll for 7 Semesters, 3 semesters must be advanced) <i>It may be necessary, as determined by the Music department, for BME majors to take 7-14 hours of applied vocal.</i>	7
MUSI 4000 Senior recital	0
TOTAL HOURS	71

MINOR IN CURRICULUM AND INSTRUCTION	
<u>COURSE</u>	HOURS
CURR 2110	1
<i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

<p>FOREIGN LANGUAGE REQUIREMENT: 8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.</p>
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MUSIC DEPARTMENT MINORS

MINOR IN MUSIC (not available for Music majors)	
<u>COURSE</u>	HOURS
MUTH 1330 - MUTH 1130	4
MUTH 1340 - MUTH 1140	4
MULH 2380	3
Select 6 hrs from Advanced electives	6
Principal Instrument 4 semesters	4
Ensemble 2 Semesters	2
MUSI 1000 - Recital Attendance (minimum of 4 semesters)	0
TOTAL HOURS	23

PATTY HANKS SHELTON SCHOOL OF NURSING

Professor Ouimette, Dean Of School of Nursing

McM Box 686
Abilene, TX 79697
Offices are located at:
Patty Hanks Shelton School of Nursing
2149 Hickory Street
Abilene, TX 79601
Phone: (325) 671-2399
Fax: (325) 671-2386

McMurry University is a part of a consortium which provides collegiate nursing education in Texas. Through the Patty Hanks Shelton School of Nursing (PHSSN), McMurry offers the Bachelor of Science in Nursing degree.

Faculty

Professor: Ouimette
Associate Professors: Viola
Assistant Professors: Cooper, Miller, Murphy, Stafford, Tucker, Van Cleave, Smola
Instructors: Castel, Cheek, Coffman, Hayes, Kapaale, Naldoza, Rinicker, Scott, Howell

Mission Statement

The mission of the Patty Hanks Shelton School of Nursing is to educate baccalaureate and advanced practice nurses for lives of Christian service and leadership to meet the ever changing health care needs of a global society.

Purpose/Introduction

Baccalaureate education in nursing prepares the graduate to function as a registered nurse who can effectively participate as a change agent in the delivery of a broad spectrum of health services required by society today and in the future. It also provides the foundation required for graduate education. The School of Nursing exists for the purpose of preparing entry-level practitioners of nursing whose personal, social, and nursing potentials have been developed to provide a foundation for continued learning and growth. The theoretical courses and clinical experiences are designed to assist students to develop understanding and conceptual integration of the nursing role in today's complex health care environment.

The Faculty of the School of Nursing exists for the purpose of contributing to excellence in nursing, the body of knowledge needed for nursing practice, teaching, research and public services. Additionally, the faculty provides for the nursing student an environment in which classroom theory may be applied and evaluated under close supervision. The aim of the BSN Faculty of the School of Nursing is to prepare students who satisfactorily complete all undergraduate requirements in the School of Nursing and who will graduate with the Bachelor of Science Degree in Nursing (BSN). Upon graduation, the graduate is eligible to write the NCLEX-RN (National Council of Licensure Examination for Registered Nurses) that leads to licensure as a Registered Nurse (R.N.).

Program Outcomes: Upon completion of this program the graduate will be prepared to:

1. Use the nursing process as a guide to competently deliver holistic (physical, psychosocial, and spiritual), ethno-culturally sensitive, ethical and evidence-based nursing care to clients across the life span in a variety of settings.
2. Demonstrate integrity, responsibility and accountability to clients, other health care workers and the profession of nursing in political, legal and ethical issues.
3. Communicate effectively with clients and other members of the health care team.

4. Demonstrate leadership and management skills in the delivery of health care services and the practice of professional nursing.
5. Use research findings and community resources in interacting with clients to promote wellness and facilitate restoration of health or a dignified death.
6. Accept accountability for practice behaviors, action and responsibility for life long personal and professional development.

Accreditation

The School of Nursing programs are accredited by the Texas Board of Nursing and the graduate is eligible to sit for the National Council State Boards of Nursing Exams for licensure as a Registered Nurse (NCLEX-RN), pending eligibility. The baccalaureate program is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle NW, Suite #530, Washington DC 20036, Telephone: (202)887-6791. The School of Nursing is a member of the Southern Regional Education Board, the Southern Council on Collegiate Education in Nursing; and the American Association of Colleges of Nursing.

High School Preparation

High school students wishing to major in nursing are advised that their preparation for nursing study will be strengthened by inclusion of high school credits of one unit each in chemistry, physics, and biology; three-four units in mathematics; two units each in social and behavioral sciences; and four units in English.

Lower-Division Requirements

All freshman students accepted for admission in the consortium institutions, and stating a preference for nursing as a major, will be placed in lower-division core courses. Acceptance into the lower-division courses, however, does not guarantee that students will be selected for enrollment in Patty Hanks Shelton School of Nursing (PHSSN). Students having an ACT composite score of 18 or less should seek career counseling.

PHSSN Admission Requirements

Students must meet all parent university degree requirements. A separate admission process is required for students to be admitted to the School of Nursing. Admission is competitive, and the size of the classes is determined by the availability of space and clinical facilities. Admission to McMurry University does not guarantee admission to PHSSN.

1. The School of Nursing will review all applications with a minimum cumulative grade point average (GPA) of 3.00 in the lower-division nursing curriculum based on a 4.0 scale. Nursing core courses completed with a letter grade less than C, or 2.00 on a 4.00 scale, will not be accepted toward the Bachelor of Science in Nursing degree. The selection process of the School of Nursing is highly competitive.
2. Students are also required to take a Nursing Entrance Exam.
3. Students are required to submit two recommendation forms from faculty who have taught the student a nursing core prerequisite.
4. Any remaining non-upper level nursing courses must be completed prior to the start of the Fall semester of the senior year.
5. Students must complete NURS 3410 Pathophysiology with a grade of at least 'B-' before beginning upper division courses at PHSSN.
6. Students must apply for admission to the School of Nursing. The deadline for submitting application for admission in the fall semester is the first week of February of the same year. Applicants are required to have personal contact with the School of Nursing Director of Learning by January 1.
7. Once accepted, students must submit evidence of physical examination and of physical health, which is consistent with meeting the objectives of the program. Tetanus, diphtheria, and hepatitis B immunizations are required. Rubella screening is required and immunizations required if screening titer indicates lack of immunity. Evidence of negative tuberculosis must be presented prior to beginning nursing coursework. Health reports and test results will be available to health agencies used for student learning experience upon request by an authorized representative of the agency.
8. All students are required to have a urine drug screen completed at a designated lab prior to clinical participation.

9. All students must submit to a criminal background check through a designated agency.
10. Students who have any physical or learning disability (i.e. ADD, ADHD) must provide official written medical documentation of the disability and information in regard to his/her ability to meet the requirements of the program. Parent institution guidelines must be followed.
11. Throughout the program, students must maintain a level of mental and physical health consistent with meeting the objectives of the curriculum. If a mental and/or physical health problem occurs during the student's educational program in nursing, the nursing faculty members responsible for clinical practice will assess the student's ability to continue in the program and will make recommendations for action to the Dean.
12. Students accepted into the PHSSN are responsible for providing their own transportation to class and all clinical facilities.
13. Students accepted into PHSSN must annually provide proof of medical health insurance. If not on parent's insurance, the student must have a private policy.
14. Students must achieve a grade of C (grade of 75 on a 100 scale) or better in each upper-division nursing course attempted and in addition achieve an average of C (grade of 75 on a 100 scale) or better on examinations within each upper-division nursing course in order to continue in the School of Nursing.
15. Applicants seeking admission by transfer must meet all published standards.
16. If the student's performance is unsatisfactory in the clinical setting, the faculty may recommend immediate dismissal to the Dean.
17. The student must annually provide proof of current CPR certification. The student will not be allowed in the classroom or clinical area without this certification. American Heart Association CPR for Health Care Provider or American Red Cross CPR for the Professional Rescuer is required. (National Safety Council, Heart Saver, & Heart Saver Plus are not acceptable).
18. Professional liability insurance is required of each student. This insurance is included in the student's tuition and fees.
19. All PHSSN entering students are required to purchase physical assessment equipment that is supplied through the PHSSN. The cost of the equipment will be charged as a fee for the Health Assessment course.
20. BSN nursing students are required to take diagnostic program examinations each semester. The cost of the examinations will be announced, and the cost will be charged to student's parent university account.
21. In order for a student to meet program requirements for the completion of the BSN curriculum, the student must demonstrate minimal competency in nursing theory and practice. This competency is demonstrated through successful scoring on the identified exit exam. Successful scoring on this examination is a portion of the course requirements for the course NURS 4453.
22. Students seeking the Bachelor of Science in Nursing (BSN) may take a minor outside the School of Nursing. This minor is NOT required as a part of the BSN degree, and credit hours beyond the minimum hours required may be needed to complete the minor.

Degree Requirements-Lower-Division Courses SUGGESTED COURSE SEQUENCE

NOTE: THE COURSE SEQUENCE BELOW IS SUGGESTED FOR A FOUR YEAR PROGRESSION THROUGH THE PROGRAM. AS PER PHSSN STUDENT HANDBOOK, "STUDENTS MUST COMPLETE THE ENTIRE NURSING CURRICULUM WITHIN FIVE YEARS FROM THE DATE OF FIRST ADMISSION TO THE SCHOOL OF NURSING."

FRESHMAN YEAR

Fall Semester		Credit Hours
Chem 1405*	Srvy. of Gen. & Organic Chemistry	4
Comm 1310	Principles of Communication	3
Math 1311*	College Algebra	3
Engl 1310	Composition & Rhetoric	3
Hfit 1210	Fitness for Living	2
Total Credit Hours		15

Spring Semester

Chem 1406*	Srvy. of Organic & Biochemistry	4
Fine Arts	3 hour Fine Arts Requirement	3
Engl 1320	Composition & Literature	3
Biol 3403*	Foundations of Microbiology	4
Soci 2300*	Introduction to Sociology	3
Total Credit Hours		17

SOPHOMORE YEAR

Fall Semester

Biol 2401*	Anatomy and Physiology I	4
Psyc 1340*	Introduction to Psychology	3
Math 3351	Statistics	3
Reli	Religion 1330, 2330, or 2340	3
Critical Reasoning	3 hour Critical Reasoning Requirement	3
Total Credit Hours		16

Spring Semester

Biol 2402*	Anatomy & Physiology II	4
Psyc 2360*	Developmental Psychology	3
Nurs 3410**	Pathophysiology	4
L.E.V.	3 hours L.E.V. Requirement	3
Total Credit Hours		14

SPRING OR SUMMER

Nurs 2301*	Intro to Nursing Skills	3
Nurs 3324*	Dimensions of Nursing (online)	3
Total Credit Hours		6

*NURSING CORE COURSES REQUIRING A GRADE OF "C-" OR BETTER

**NURSING CORE COURSES REQUIRING A GRADE OF "B-" OR BETTER

Baccalaureate Degree Courses

Admission to the School of Nursing is a prerequisite to all Nursing courses (or approval by the School of Nursing Dean) **ACCEPTANCE INTO THE LOWER-DIVISION COURSES DOES NOT GUARANTEE THAT STUDENTS WILL BE SELECTED FOR ENROLLMENT INTO THE SCHOOL OF NURSING.**

Note: Curriculum is currently under revision.

JUNIOR YEAR (NURS)

Fall Semester		Credit Hours
3421	Health Assessment	4
3622	NP I: Fundamentals of Nursing	6
3323	Pharmacology	3
Total Credit Hours		13

JUNIOR YEAR

Spring Semester

3836	NP II: Nurs. Care of the CB & CR Family	8
3335	Mental Health Nursing	3
437X	3 hours Nursing elective	3
Total Credit Hours		14

SENIOR YEAR

Fall Semester

4846	NP III: Medical-Surgical Nursing	8
4343	Nursing Theories and Research	3
4335	Community Nursing	3
Total Credit Hours		14

SENIOR YEAR

Spring Semester

4651	NP IV: Critical Care Nursing	6
4352	Leadership and Management	3
4453	Professional Nursing Practicum	4
Total Credit Hours		13

Nursing

ARTICULATION PROGRAM FOR REGISTERED NURSES

ADMISSION REQUIREMENTS

Before being admitted to the nursing program, a student must be admitted to McMurry and satisfy their admission requirements. In addition, a separate admission process is required for students to be admitted to the School of Nursing. **ACCEPTANCE INTO THE LOWER-DIVISION COURSES DOES NOT GUARANTEE THAT STUDENTS WILL BE SELECTED FOR ENROLLMENT INTO THE SCHOOL OF NURSING.**

The selection process for admission to the School of Nursing is highly competitive. The selection process is based on your cumulative GPA of all schools attended. The available seats will be given to those scoring the highest on these criteria. The School of Nursing will review all applicants with a minimum cumulative grade point average (GPA) of 2.50. Applicants seeking admission by transfer must meet all the standards required by the university. Nursing core courses completed with a letter grade of less than C will not be accepted toward the RN Articulation Baccalaureate Programs.

APPLICATION PROCESS:

To make application the student must be admitted and have completed 45 semester hours of nursing prerequisites. **Any remaining prerequisites must be completed prior to the start of the Fall semester of the senior year.**

Applicants must make personal contact with the PHSSN Director of learning and Student Development prior to January 1st. **The deadline for submitting applications is the first week of April.** Included with the application must be official transcript(s) of all colleges attended, including a McMurry transcript. It is the student's responsibility to secure the documentation of any CLEP or Departmental Examination credit on their transcript prior to the application deadline date. Applicants will be notified of their acceptance or non-acceptance in June.

RN-BSN ARTICULATION

Admission Requirements

Full Admission is granted to applicants who have met all admissions requirements in the judgment of the Admissions Committee, composed of PHSSN faculty.

Applicants will be reviewed holistically and exclusively. No one factor will determine a student's admissions.

RN-BSN Online Program

The following requirements must be fulfilled:

- Current, active RN unencumbered license in good standing - no restrictions;
- Minimum cumulative GPA of 2.5 for admission consideration. All calculated grades from schools attended are included in the **admission grade point average**;
- Prerequisite course work completed with a grade of "C" or better, prior to the beginning of this program;
- All applicants who receive offers of admission will consent to a criminal background check (a complete FBI/DPS background check). A history of criminal conduct or conviction may result in withdrawal of admission offer. Refer to the PHSSN web site school policy in the student handbook;

Requirements for all RN-BSN Applicants

All documentation listed below must be provided prior to enrollment;

- Professional liability insurance
- Completion of a current physical
- Proof of health insurance
- Compliance with the CDC program mandated immunizations for health care workers (Refer to the CDC web site; <http://www.cdc.gov/vaccines/specgrps/hcw.htm>)
- Healthcare provider BLS or ACLS (CPR) certification (adult, infant, & child)
- Current negative 10 panel drug screen
- For transcript evaluation of Nursing course work contact Patty Hanks Shelton School of Nursing (325)671-2399
- Nursing Centralized Application Service (Nursing CAS). Nursing CAS will verify application for accuracy, calculate the GPA, and send applicant's materials to PHSSN. www.nursingcas.org

NOTE: Students attending McMurry must fulfill the general education requirements set forth for the traditional BSN student.

FALL Credits

NURS 4360 Professional Nursing Transitions	3
Basic nursing skills validated upon successful completion of Transitions course	43
NURS 4362 Joining Forces	3

SPRING Credits

NURS 4340 Nursing Theories and Research	3
NURS 4364 Health Behaviours	3

SUMMER Credits

NURS 4335 Community and Public Health	3
NURD 4368 Care of Vulnerable Populations	3

FALL Credits

NURS 4366 Intro to Faith Community Nursing	3
NURS 4352 Leadership and Management in Nursing	3

Courses Taught at the School of Nursing:

NURS 2301	Introduction to Nursing Skills
NURS 3323	Pharmacology
NURS 3324	Dimensions of Nursing
NURS 3335	Mental Health Nursing
NURS 3410	Pathophysiology
NURS 3421	Health Assessment
NURS 3622	Nursing Process I: Fundamentals of Nursing
NURS 3836	Nursing Process II: Nursing Care of Childbearing and Childrearing Family
NURS 4335	Community and Public Health Nursing
NURS 4343	Nursing Theories and Research
NURS 4352	Leadership and Management
NURS 4360	Professional Nursing Transitions
NURS 4362	Joining Forces: Understanding the Visible and Invisible Wounds of War
NURS 4364	Health Behaviors: Promotion and Prevention
NURS 4366	Introduction to Faith Community Nursing
NURS 4368	Care of Vulnerable Populations
NURS 4370	Lab and Diagnostics Lab and Diagnostics Studies
NURS 4371	Health Care Missions
NURS 4372	Perioperative Nursing
NURS 4373	Care of the Terminally Ill
NURS 4380	Introduction to Public Health
NURS 4382	Health Care Issues and Policy
NURS 4453	Professional Nursing Practicum
NURS 4483	Fundamentals of Epidemiology
NURS 4484	Health Care Disparities
NURS 4485	Critical Issues in Global Health
NURS 4651	Nursing Process IV: Critical Care Nursing
NURS 4846	Nursing Process III: Medical-Surgical Nursing

BACHELOR OF SCIENCE NURSING

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN NURSING

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) MATH 1311 *	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS1300, 1313 FNAR 2310, MULH 2301 THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) PSYC 1340* PSYC 2360* SOCI 2300*	3 3 3
Select 2 hrs from HFIT 1210 HFIT 1200 (students age 30 and above, or medical exemption)	2
NATURAL SCIENCE (4 hrs) BIOL 2401*	4
TOTAL HOURS*	39

MAJOR IN NURSING	
A grade of C- or better required in all courses listed below (3 hours may also meet general education requirements)	
<u>NURSING COURSES</u>	HOURS
NURS 2301*	3
NURS 3324*	3
NURS 3410** (Course must be taken in the Spring or Summer term just prior to starting Nursing School)	4
Junior Year Fall Semester	
NURS 3421	4
NURS 3622	6
NURS 3323	3
Junior Year Spring Semester	
NURS 3836	8
NURS 3335	3
NURS Upper Level Elective	3
Senior Year Fall Semester	
NURS 4846	8
NURS 4343	3
NURS 4335	3
Senior Year Spring Semester	
NURS 4651	6
NURS 4352	3
NURS 4453	4
SUBTOTAL HOURS	64
SUPPORTING COURSES	
<u>COURSE</u>	HOURS
MATH 3351*	3
BIOL 2402*	4
CHEM 1405*	4
CHEM 1406*	4
BIOL 3403*	4
TOTAL HOURS	83

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

* Course to be completed with a grade of C- or better prior to starting Nursing School

** Course to be completed with a grade of B- or better prior to starting Nursing School

NURSING MINORS

MINOR IN PUBLIC HEALTH (For nursing majors only)	
COURSE	HOURS
Select 3 hrs from NURS 4380 KINE 3331	3
NURS 4382	3
NURS 4483	4
NURS 4484	4
NURS 4485	4
TOTAL HOURS	18

DEPARTMENT OF PHYSICS

Professor Bykov, Department Chair
Associate Professor(s) Keith, Renfro

Mission and Goals:

The mission of the McMurry University Department of Physics is:

1. to provide non-science majors with an introduction to the concepts, problem-solving techniques, and critical-thinking skills of physics;
2. to provide non-physics science majors with a survey of physics and a discovery-based laboratory experience that emphasizes data analysis and scientific communication;
3. to provide physics majors with a broad-based curriculum that emphasizes the fundamentals through a combination of classroom instruction, laboratory work, and research experiences;
4. to enhance the education of physics majors and other interested students through such extra-curricular activities as the Society of Physics Students by providing the opportunity to form natural learning communities; and
5. to work in collaboration with each other to maintain an appropriate level of activity in our technical disciplines, in our academic communities, and in the local community, to provide our students examples of individuals who value the habits of life-long learners.

The faculty members of this department believe that this mission will bring the people affected closer to the goals of the department, which are:

1. to enable non-science majors to understand the proper roles of science, technology, and mathematics within our society;
2. to enhance non-physics science majors' understanding of science through physics applications of the scientific method into disciplines of their interests, thereby providing a richer understanding of the interconnectedness of their discipline to other fields;
3. to prepare graduates who will possess sufficient breadth and depth of knowledge that will allow for a wide range of career opportunities including graduate study in physics, engineering, pre-med, or other sciences; as well as , science teaching and careers in industry, engineering practice, and science-related business;
4. to educate graduates who are within our influence as whole people, well-rounded beyond simply the classroom experience, who can work and communicate effectively in collaborative project-management-driven settings and are capable of socializing in technical and in colloquial environments so that they can more easily grow into contributing, respected, and influential members of their future communities; and
5. to prepare graduates who are ready to take on leadership roles in their future professions and further develop their knowledge, demonstrating the attitude of lifelong learning.

To attain these goals, we enact this mission to provide scholarly and professional opportunities to our students and colleagues on a daily basis. We believe that when students accept the responsibility to make use of the opportunities provided they will have developed the knowledge and skills that enable them to be successful in their academic and professional endeavors.

Graduate Study in Engineering

Students with an interest in engineering should consider the possibility of completing an undergraduate physics degree at McMurry University followed by application to a graduate program in engineering. The physics department has had recent graduates be accepted into graduate engineering programs at Texas Tech and construction management at Texas A&M. McMurry University offers a few courses that can count toward the physics major which also provide an introduction to engineering.

Graduate Admission Agreement to Texas Tech University

Texas Tech University has agreed to guarantee physics students at McMurry University graduate admission into its M.S. degree program in physics. The degree options available to the qualifying student include the traditional M.S. in Physics, M.S. in Applied Physics, and M.S. in Applied Physics with Internship. The necessary criteria for guaranteed admission to these options are as follows:

- Student must receive a B.S. in Physics from McMurry University.
- Course work must include the following with a letter grade of at least B:
 - Electricity and Magnetism (1 semester minimum) - Physics 4310
 - Quantum Mechanics (1 semester minimum) - Physics 4330

For students applying to the M.S. in Applied Physics with Internship in the semiconductor industry, students are required to take the following courses, earning a letter grade of at least a B:

- Solid State Physics - Physics 4385
- Electronics - Physics 3350

Students must have a minimum overall GPA of 3.00, a minimum GPA in upper division physics courses of 3.25, and must meet all other requirements of the Texas Tech Graduate School.

Society of Physics Students: The McMurry Chapter of the Society of Physics Students is a charter chapter of the Society which was founded on April 22, 1968. The purpose of the Society is to promote educational activities for all students interested in physics and to encourage and assist students to develop the knowledge, competence, enthusiasm, and social responsibility that are essential to the advancement of physics. Membership is open to all students interested in physics.

Sigma Pi Sigma: The McMurry chapter of Sigma Pi Sigma, the physics honor society, was chartered in 1962. The objective of the society is to recognize the attainment of high scholarship and potential achievement in physics. Membership is open to juniors and seniors who have attained high scholarship in physics and other subjects and who give evidence of professional merit, proficiency, or distinction. The society is a member of the Association of College Honor Societies and is an affiliated society of the American Association for the Advancement of Science. Sigma Pi Sigma is an integral part of the Society of Physics Students operating within the Education Division of the American Institute of Physics.

Departmental Awards: Each spring, awards are presented to outstanding students at the freshman and sophomore level. An outstanding junior is awarded the John and Ruth Cole Scholarship and an outstanding senior is awarded the Piper-Bottom Award for Excellence in Physics.

The Charles and Lisa Bloomer Research Stipend; is a competitive award providing funding for any major from the School of Natural and Computational Sciences to support undergraduate research with a sponsoring faculty member during the fall/spring academic year. This program is administered by the Science and Mathematics Advisory Board.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Requirements for a Degree in Physics and a Minor in Physics follows the course descriptions.

Degree in Physics

Satisfactory completion of all requirements for the BS degree in Physics will also result in the awarding of a minor in Mathematics. Students wishing to double major in mathematics and physics need five math classes beyond those required by the physics major, and should begin by taking discrete math in their freshman or sophomore year. Be sure do discuss this with your advisor. Students with an interest in engineering should tell their advisor which concentration they would like to pursue. This will affect their sophomore - senior schedules.

Courses Taught in the Physics Department:

PHYS 1401	Introduction to Astronomy
PHYS 1410	General Physics I
PHYS 1420	General Physics II
PHYS 2301	Engineering Drafting
PHYS 2310	Automated Experimental Measurements
PHYS 2510	University Physics I
PHYS 2520	University Physics II
PHYS 3270	Advanced Physics Laboratory
PHYS 3300	Introduction to Modern Physics
PHYS 3315	Engineering Statics
PHYS 3325	Engineering Dynamics
PHYS 3350	Electronics
PHYS 3352	Digital Electronics
PHYS 4175	Physics Research Proposal
PHYS 4275	Physics Research Project
PHYS 4300	Classical Mechanics
PHYS 4302	Classical Mechanics II
PHYS 4310	Electricity & Magnetism
PHYS 4312	Electricity & Magnetism II
PHYS 4330	Quantum Mechanics
PHYS 4335	Solar System Physics
PHYS 4360	Thermodynamics
PHYS 4362	Thermodynamics II
PHYS 4385	Solid State Physics
PHYS 4X95	Independent Studies
PHYS 4X96H	Honors Tutorial
PHYS 4X97H	Honors Thesis/Project
PHYS XX99	Special Topics

BACHELOR OF SCIENCE PHYSICS

A MINOR IN MATHEMATICS IS AUTOMATICALLY AWARDED FOR THE BACHELOR OF SCIENCE DEGREE IN PHYSICS

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

PHYSICS CORE (5-12 hours may also meet general education requirements)	
<u>PHYSICS</u>	HOURS
PHYS 2510	5
PHYS 2520	5
PHYS 2310	3
PHYS 3300	3
PHYS 3270	2
PHYS 4300	3
PHYS 4310	3
PHYS 4175	1
PHYS 4275	2
SUBTOTAL HOURS	27
Select one Focus Area from the following page	15
SUPPORTING COURSES <i>A grade of "C-" or higher is required for all supporting courses</i>	
MATH 2421	4
MATH 2322	3
MATH 2340	3
MATH 3301	3
MATH 3341	3
MATH 3351	3
CHEM 1410	4
CHEM 1420	4
COSC 1325	3
TOTAL HOURS	72

TEACHING FIELDS:

The required courses for preparation to teach Physical Science (Chemistry and Physics) at the high school level are found in the Curriculum and Instruction section of the catalog.

FOREIGN LANGUAGE REQUIREMENT:

8 hours in a single foreign language will be required unless two years of a single foreign language were completed in high school or the student graduated from high school prior to 1993. The University foreign language requirement is described on page 35 of the catalog.

PHYSICS FOCUS AREAS

PHYSICS	
<u>COURSE</u>	HOURS
PHYS 3350	3
PHYS 4330	3
PHYS 4360	3
Select 3 hrs from PHYS 4302, 4312, 4362	3
Select 3 hrs from PHYS 3315, 3325, 3352, 3385, 4302, 4362, 4312, 4335, 4385, MATH 4331	3
TOTAL HOURS	15

PHYSICS WITH ELECTRICAL ENGINEERING FOCUS	
<u>COURSE</u>	HOURS
PHYS 3350	3
PHYS 4312	3
PHYS 4330	3
PHYS 3352	3
Select 3 hrs from PHYS 4360, 4385, MATH 4331	3
TOTAL HOURS	15

PHYSICS WITH CIVIL/MECHANICAL ENGINEERING FOCUS	
<u>COURSE</u>	HOURS
PHYS 2301	3
PHYS 3315	3
PHYS 3325	3
PHYS 4360	3
Select 3 hrs from PHYS 3350, 3385, 4302, 4330, 4362, 4312, 4335, 4385 MATH 4331	3
TOTAL HOURS	15

PHYSICS DEPARTMENT MINORS

MINOR IN PHYSICS (Not available for Physics majors)	
COURSE	HOURS
PHYS 2510	5
PHYS 2520	5
PHYS 3270 or PHYS 3350	2-3
PHYS 3300	3
Select 3 hrs from Advanced PHYS electives	3
TOTAL HOURS	18-19

DEPARTMENT OF POLITICAL SCIENCE

Professor Bertrand, Department Chair

Professor Fabrizio

Assistant Professor Olufowote

Mission and Goals:

The Department of Political Science seeks to equip majors with the intellectual tools for understanding: the political systems of the United States and other countries across the globe; the international dynamics of an interdependent world; and different philosophical perspectives on politics.

The Department of Political Science has as its main goals:

1. To prepare its graduates for a variety of careers emphasizing politics, policy analysis, and/or global interactions;
2. To prepare its graduates for advanced or professional education; and,
3. To equip its graduates with intellectual tools and communication skills sufficient to participate in internship and experiential learning opportunities.

Special Programs and Opportunities:

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

APSA department affiliate: The American Political Science Association is the discipline's premier organization. The Department of Political Science at McMurry University is an institutional member of APSA, which provides majors with access to a variety of publications, including how to build a career with a Bachelor of Arts in Political Science.

MODEL UNITED NATIONS

The Model United Nations Program at McMurry University is an **inter-disciplinary program** that incorporates coursework with interactive, hands-on simulations to provide students with academic and practical learning experience.

The purpose of the Model United Nations Program is to increase students' content learning by teaching students basic knowledge of the UN system, parliamentary procedure and diplomatic language, and countries' foreign policies. In addition, the Model United Nations Program enhances students' critical thinking and processing skills by focusing on: improving reading comprehension, public speaking, and cooperative learning; information analysis, synthesis and evaluation; problem-solving and negotiating strategies, and identifying and developing leadership skills.

The Model United Nations Program at McMurry University provides students with the following specific educational and experiential learning opportunities:

1. Model UN participants take an interdisciplinary three-credit course designed to prepare students for competition at regional and national Model UN competitions (see #2 below). Students may take this course twice for credit: Political Science majors may take the course once for credit in the major and once for upper-level elective credit; non-majors may take the course twice for upper-level elective credit.
2. Model UN participants compete in Model UN conferences. Preparing for competition involves research and role-playing. Students become "ambassadors" of specific countries by presenting position papers on that country's policy preferences, caucusing, negotiating, and consensus-building with others to solve global problems. Of particular interest to students is the National Model UN Conference, held annually in New York. Participants at this conference spend part of the conference at the United Nations headquarters and meet with UN diplomats from the US and other countries.
3. Model UN participants engage in global community outreach by raising awareness of global problems. Ongoing outreach projects include raising awareness of the global landmine crisis and taking part in the Adopt-A-Minefield Campaign. Participants have spoken to local organizations about the landmine problem, and raised monies to clear a minefield in Cambodia.

Teacher Certification in Social Studies 8-12

See Degree plan on page 116

History majors selecting the minor in Social Studies with the intent of seeking additional certification in the teaching fields covered under Social Studies (i.e., government, economics, and geography) are strongly encouraged to consult closely with their advisor who will help students select specific courses that will fulfill both General Education and major and/or minor requirements under Global, Societal, and Personal Perspectives: World, and Society and Self sections. Such courses may include HIST 1310 or 1320 to fulfill requirements in their major and in the General Education - World perspectives section - and HIST 2310 or 2320, and POSC 2310 or 2320 to fulfill requirements in their major and in the General Education - Society and Self section. These suggestions are intended to minimize the total number of hours required to obtain said minor.

Courses Taught in the Political Science Department:

POSC 1310	Introduction to Politics
POSC 2310	American National Government
POSC 2320	State Government
POSC 234(a-z)	Politics Outside the Box
POSC 2350	Contemporary Global Issues
POSC 3305	Campaigns and Elections
POSC 3310	Political and Cultural Geography
POSC 3350	Comparative Politics
POSC 3355	International Relations
POSC 3360	Modern Political Philosophy
POSC 3365	International Organizations
POSC 3375	Model United Nations
POSC 4330	Congress
POSC 4335	Presidency
POSC 4340	American Foreign Policy
POSC 4350	The Supreme Court and Constitutional Law
POSC 4360	International Political Economy
POSC 4365	Political Change, Movement, & Struggle
POSC 4388	Internship
POSC 4X96H	Honors Tutorial
POSC 4X97H	Senior Thesis
POSC XX99	Special Topics

BACHELOR OF ARTS POLITICAL SCIENCE

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN POLITICAL SCIENCE (3 hours may also meet general education requirements)	
<u>POLITICAL SCIENCE</u>	HOURS
POSC 1310	3
POSC 2310	3
POSC 3350	3
POSC 3355	3
POSC 3360	3
Select 9 hrs from POSC 2000 or 3000 level	9
Select 9 hrs from POSC 4000 level	9
TOTAL HOURS	33

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS SOCIAL STUDIES 8-12

MINORS IN SOCIAL STUDIES AND CURRICULUM AND INSTRUCTION ARE REQUIRED

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

HISTORY GRADES 8-12 (9 hours may also meet general education requirements) *See not on page 144	
<u>COURSE</u>	HOURS
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
Select 6 hrs from HIST 3310, 3315, 3316, 3317, 3320, 3350, 3351, 3352, 3354, 4330, 4345, 4354	6
Select 6 hrs from HIST 3314, 3331, 3358, 3359, 3360, 3363, 3364, 3375, 432(a-d), 4360, 4365, 4375	6
Select 6 hrs from Advanced U.S. or World History Courses	6
TOTAL HOURS	36

MINOR IN SOCIAL STUDIES GRADES 8-12 (Not available for Political Science majors)	
<u>COURSE</u>	HOURS
POSC 2310	3
POSC 2320	3
POSC 3310	3
ECON 2310	3
ECON 2320	3
Select 3 hrs from POSC 4330, 4335	3
Select 3 hrs from POSC 4340, 4350	3
TOTAL HOURS	21

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

POLITICAL SCIENCE MINORS

MINOR IN POLITICAL SCIENCE (Not available for Political Science majors)	
<u>COURSE</u>	HOURS
POSC 1310	3
POSC 2310	3
Select 6 hrs from POSC 3350, 3355, 3360	6
Select 6 hrs from POSC 2320, 3305, 3310, 3365, 3375, 4330, 4335, 4340, 4350, 4360	6
TOTAL HOURS	18

MINOR IN SOCIAL STUDIES (Not available for Political Science majors)	
<u>COURSE</u>	HOURS
POSC 2310	3
POSC 2320	3
POSC 3310	3
ECON 2310	3
ECON 2320	3
Select 3 hrs from POSC 4330, 4335	3
Select 3 hrs from POSC 4340, 4350	3
TOTAL HOURS	21

PROFESSIONAL PREPARATION PROGRAMS

PROFESSIONAL PREPARATION PROGRAMS

The mission of the McMurry University Pre-Professional Program is to provide the curricular advising and career guidance needed by our students as they prepare themselves for application to and successful completion of a professional school program.

Pre-professional programs are those which require additional specialized academic training unavailable in undergraduate programs at McMurry. For instance, McMurry does not offer law or medical degrees, but we provide the foundational course work and preparation for students who plan on applying to law schools and medical schools. There are no pre-professional majors. Students of any major may attend a professional school, provided they take the prescribed required courses beforehand, meet other admissions requirements, and are selected from the pool of qualified applicants in a competitive process.

Students are encouraged to contact the advisor for the program of interest early in their college career and remain in contact regularly thereafter to receive the advising necessary to prepare the student for professional school application.

Students who plan to pursue a career in a health profession are strongly advised to apply to the Pre-Health Professions Program and to take the two Pre-Health Professions seminar courses (PREP 2105, 2106 see "course descriptions" later in the catalog) required to receive the official Pre-Health Professions Committee letter of evaluation during the application process. For a full description of the benefits of membership in the Pre-Health Professions Program, please contact the Pre-Allied Health Advisor.

For more information on professional program preparation, please contact the advisor for the pre-professional program of interest.

PRE-ENGINEERING PROGRAM

Advisor: Dr. Wayne Keith

Students interested in pursuing a degree in Engineering should follow the curriculum of the Physics major. Options include either transferring to an engineering school after the junior year and working towards two Bachelor's Degrees or following a Physics degree at McMurry University with graduate work in Engineering. The particular area of Engineering in which the student is interested may influence their choice of electives. The Department of Physics offers a BS in physics with concentrations in Electrical Engineering and in Civil/Mechanical Engineering. Interested students should refer to the Degree Program under the Department of Physics for details. You may also contact one of the Physics professors.

PRE-HEALTH PROGRAMS

Pre-Allied Health

Advisor: Dr. Larry Sharp

There are many rewarding careers available in the health professions besides the commonly known dental, medical, physical therapy, veterinary medicine and other high-profile health professions. Such important fields as respiratory therapy, physician's assistant, optometry, radiological imaging, and other health fields may be of interest to some students. As the coursework necessary for acceptance into these programs varies greatly, it is suggested that interested students contact the Pre-Allied Health Advisor for information and guidance.

Pre-Dentistry

Advisor: Dr. Larry Sharp

All dental schools in Texas participate in the common application made through the Texas Medical and Dental Student Application Service in Aust

in. Students apply during the summer before their final year in college, with competitive applicants receiving invitations for on-campus interviews at the dental schools in the fall of the senior year. Announcement of admitted students is made in the spring of the senior year. To apply to dental programs, a student must complete the following prescribed coursework: 14 semester hours of Biology (2 hours lab), 8 semester hours of General Chemistry (2 hours lab), 8 semester hours of Organic Chemistry (2 hours lab), 8 semester hours of Physics (2 hours lab), and 6 semester hours of non-remedial English composition. Some schools require 3 hours of Biochemistry, which may be used to satisfy part of the Biology requirement. All prerequisites must be passed with at least a "C" grade. Courses intended specifically for health career majors (nursing, pharmacy, allied health sciences) are not accepted. Schools vary slightly in requirements, with specifics posted at the TMSAS web site: <http://www.utsystem.edu/tmsas/EssentialsForApplying.htm#PrescribedCourses>.

At least 90 undergraduate semester hours must be completed before enrollment into a dental program, but baccalaureate degrees are highly desirable. See the Pre-Dentistry Advisor for suggested coursework to prepare students for the Dental Admission Test. Information on the DAT may be obtained from the American Dental Association web site: <http://www.ada.org/prof/ed/testing/dat/index.asp>.

Similar information is available for students wishing to apply to schools outside Texas from the American Dental Association (<http://www.ada.org/prof/ed/programs/index.asp>).

Please note that high-performing freshman students may apply for McMurry's "3+4 Dental Early Acceptance Program". This program allows Texas residents majoring in Biology to apply during their freshman year for early entry into dental school following their junior year and complete both their BS in Biology from McMurry and DDS degree from UTHSC-San Antonio School of Dentistry in a total of seven years. Acceptance decisions are made typically before the sophomore year. Thereafter, admitted students must take prescribed courses, maintain a competitive GPA, and achieve at least an average DAT score. For more information, see the Pre-Dentistry Advisor.

Pre-Medicine

Advisor: Dr. Larry Sharp

All medical schools in Texas (except Baylor College of Medicine) participate in the common application made through the Texas Medical and Dental Student Application Service in Austin. Students apply during the summer before their final year in college, with competitive applicants receiving invitations for on-campus interviews at the medical schools in the fall of the senior year. To apply, a student must complete the following prescribed coursework: 14 semester hours of Biology (2 hours lab), 8 semester hours of General Chemistry (2 hours lab), 8 semester hours of Organic Chemistry (2 hours lab), 8 semester hours of Physics (2 hours lab), 3 semester hours of Calculus or Statistics, and 6 semester hours of non-remedial English composition. Some schools require 3 hours of Biochemistry, which may be used to satisfy part of the Biology requirement. All prerequisites must be passed with at least a "C" grade. Courses intended specifically for health career majors (nursing, pharmacy, allied health sciences) are not accepted. Schools vary slightly in requirements, with specifics posted at the TMSAS web site: <http://www.utsystem.edu/tmsas/>

At least 90 undergraduate semester hours must be completed before the anticipated date of enrollment into a medical program, but baccalaureate degrees are highly desirable. See the Pre-Medicine Advisor for suggested

coursework to prepare students for the Medical College Admission Test. Information on the MCAT may be obtained from the Association of American Medical Colleges web site: <http://www.aamc.org/students/mcat/>.

Similar information is available for students wishing to apply to schools outside Texas from the American Medical College Application Service (<http://www.aamc.org/students/amcas/start.htm>).

Professional Preparation Programs

Pre-Occupational Therapy

Advisor: Dr. Paul Smith

Texas has five campuses that offer a BS degree and eight that offer a MS degree in Occupational Therapy. All of these schools offer a BS degree and at least two have a M.S. program. The undergraduate programs culminate in a BS in Occupational Therapy and have specific prerequisites for admission to the program. McMurry provides courses and opportunities to complete the prerequisite course work for these programs. All of the undergraduate programs require English, history, government, psychology, and two to three semesters of biology. Students generally are required to have at least one semester of chemistry, one semester of physics, one or two semesters of mathematics, and one or two semesters of sociology, among others. Since the individual professional schools differ somewhat in their requirements, the student is encouraged to meet with the occupational therapy advisor for information and guidance in selecting a plan of study.

Pre-Pharmacy

Advisor: Dr. Paul Pyenta

McMurry provides courses that prepare students to apply to schools of pharmacy. Most schools of pharmacy offer a Doctor of Pharmacy "Pharm-D" degree for individuals wishing to become a pharmacist. Some schools also offer a Doctor of Pharmaceutical Sciences degree intended for students wishing to pursue pharmaceutical research as a scientist. Most schools prefer incoming students to have a Bachelor of Science degree, although some schools allow the option of early entry. Additional requirements include successful completion of specific courses, PCAT score, and a minimum gpa. The following McMurry courses are minimally typical to prepare the student and satisfy prerequisites for most schools of pharmacy (this list based on Texas Tech University School of Pharmacy):

<u>Courses</u>		<u>Cred Hrs</u>
Professional Prep	PREP 2105, 2106	2
General Chemistry	CHEM 1410, 1420	8
Organic Chemistry	CHEM 3410, 3420	8
General Physics	PHYS 1410	4
General Biology	BIMS 1301, 1101	4
	BIOL 3460, or BIOL 1402, or BIOL 1403	4
Microbiology	BIMS 3410	4
Human-based Sciences	CHEM 3441, or BIOL 3460, or BIMS 4320, (or other)	4
Calculus	MATH 2421	4
Statistics	MATH 3351	3
Speech (public speak)	COMM 1310	3
Economics	ECON 2310, or ECON 2320	4
English Comp	ENGL 1310, 1320	6
English Lit	ENGL 2310, or ENGL 2320, or 2330, (or other)	3
Humanities / social science	many options	15
total		76

Exact course requirements for program admittance vary, thus students are advised to check with specific schools of pharmacy. Pre-pharmacy students at McMurry should consult with the McMurry pre-pharmacy advisor for individual advising.

Pre-Physical Therapy

Advisor: Dr. Paul Smith, Dr. Larry Sharp

There are ten physical therapy programs in Texas, all requiring a BS or BA degree before admission. Successful completion of these programs results in a Masters, or Doctoral degree in Physical Therapy. Normally the prerequisites to the programs are English, history, government, mathematics, psychology, one year of physics, one year of chemistry, and three to five semesters of biology. The schools vary in biology courses specified. More detailed information and guidance can be obtained from the physical therapy advisor.

Pre-Veterinary Medicine

Advisor: Dr. Joel Brant

*The minimum preparation for application to the Texas A&M College of Veterinary Medicine is 64 semester hours to include the following:

English 1310, 3385	6 hrs
Literature	3 hrs
Approved Communication course	3 hrs
Biology 1402, 1403, 3410, 3460	16 hrs
Chemistry 1410, 1420, 3410, 3420	16 hrs
Biochemistry 3441, 3442	8 hrs
Physics 1410, 1420	8 hrs
Mathematics 2421 or 3351	3-4 hrs
Animal Nutrition and General Animal Science	6 hrs

*The applicant is expected to have both animal and veterinary experience. The course prerequisites can be incorporated into some majors and minors. The major should be chosen according to interest of the student and vocational plans in the event of non-acceptance. Applicants are evaluated on GPA, academic rigor, semester loads carried, animal and veterinary experience, leadership, extracurricular activities, evaluation from undergraduate faculty, and the score on the Graduate Record Exam (GRE). Students are encouraged to consult the College of Veterinary Medicine web site for the most current information.

Pre-Law

Advisor: Dr. Jeff Kinlaw

Students interested in a legal career after completion of a bachelor's degree are encouraged to pursue any academic major that interests them. Law schools do not recommend specific courses of study or any particular major. What law schools want are students who can think, write, and speak well and who have an understanding of the human experience. The Law School Admission Council recommends a "broad liberal arts curriculum" as the preferred preparation for a legal career. Admission committees want to see law school applicants rise to intellectual challenges by choosing academically rigorous courses. They are most likely to reject students who select non challenging or narrow fields of study. Law schools encourage courses of study that demand strong reasoning and communication skills.

Pre-Ministry Program

Advisor: Dr. John Miller

This program prepares and supports students interested in vocational or avocational ministries. Pre-Ministry students are encouraged to major or minor in Religion or Christian Ministry, but the program is open to all students. At a minimum, students should take REL 2310, Introduction to Christian Ministry, as early as possible. Students who intend to pursue graduate theological studies are encouraged to complete two years of Greek, and to take courses that prepare them to think critically and communicate effectively. Courses in philosophy, English, history, and psychology will benefit every pre-ministry student. Students intending to become Christian counselors should consider completing a major or minor in Psychology in addition to their studies in Religion.

It is very important that students consult their respective denominations to make sure they are completing ordination requirements and complying with the appropriate standards of ministerial preparation. Many pre-ministerial students complete internships in local churches or otherwise serve in part-time positions in ministry. Students are encouraged to participate in Kappa Delta Sigma, a student organization for pre-ministerial students, and in the programming of the Religious Life Office.

DEPARTMENT OF PSYCHOLOGY

Associate Professor Schneller, Department Chair

Associate Professor Dawson

Assistant Professor Kosheleva

Visiting Instructor Dunn

Mission and Goals:

Upon completion of this program students will be able to:

1. Demonstrate an understanding of scientific inquiry and methods of research utilized in psychology;
2. Demonstrate an understanding of the biological, psychological, social and environmental factors that impact normal and abnormal development across the lifespan;
3. Demonstrate an understanding of the major theoretical schools of thought within psychology;
4. Demonstrate an understanding of human cognitive and emotional processes;
5. Demonstrate an understanding of how people, as individuals and in groups, influence and relate to others in interpersonal and societal situations;
6. Demonstrate oral and/or written communication skills utilized within the field of psychology.

Special Programs and Opportunities:

Psychology Club. The McMurry Psychology Club "TRI-PSY" is designed to promote interest in psychology, to provide psychological activities beyond the usual classroom situation, to enhance contacts between students and local psychologists, and to encourage fellowship among psychology students. It is open to all students with an interest in the science and practice of psychology.

PSI CHI. The McMurry University chapter of Psi Chi was chartered in April 1999. Psi Chi is the National Honor Society of Psychology, founded in 1929 for the purpose of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology. Membership is open to graduate and undergraduate men and women who are making the study of psychology one of their major interests and who meet the minimum qualifications. Psi Chi is a member of the Association of College Honor Societies (ACHS) and is an affiliate of the American Psychological Association (APA) and the American Psychological Society (APS)

Departmental Awards. Each Spring, awards are presented to outstanding students at the junior, and senior levels. The Evelyn Hennig Memorial Scholarship is awarded to the outstanding junior. The O.P. Clark Scholarship is awarded to the outstanding senior.

Psychology Exit Exams. All majors in Psychology must take a locally prepared departmental exam and the Major Field Achievement Test (MFAT) in Psychology whenever they take the Senior Seminar in Psychology. There is no cost to the student for these tests. Individual scores are kept confidential. These tests are used for assessment of the departmental program and to give students practice for the Graduate Record Exam (GRE) in Psychology.

Internship in Psychology. Junior or Senior-level Psychology majors are encouraged to consider participation in the internship program. In the program, students receive meaningful practical experience by working in a mental health setting to see how the theoretical concepts of Psychology are put in practice. Specific requirements unique to the Department of Psychology are listed under PSYC 4388 in this section.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Psychology Department:

PSYC 1340	General Psychology
PSYC 2360	Developmental Psychology
PSYC 3301	Human Cognition and Learning
PSYC 3305	Research Methods and Statistics I
PSYC 3306	Research Methods and Statistics II
PSYC 3310	Language: Mind, Brain, and Society
PSYC 3320	Personality Theories
PSYC 3330	Multicultural Psychology
PSYC 3350	Psychology and Christianity Seminar
PSYC 3340	Social Psychology
PSYC 3382	Positive Psychology and Mental Health
PSYC 3385	Gerontology
PSYC 3390	Psychopharmacology
PSYC 4300	Abnormal Psychology
PSYC 4315	Psychological Tests and Measurements
PSYC 4320	Psychology of the Criminal Mind
PSYC 4330	History and Systems of Psychology
PSYC 4341	Physiological Psychology
PSYC 4365	Death and Dying
PSYC 4370	Industrial and Organizational Psychology
PSYC 4375	Clinical and Counseling Psychology
PSYC 4X88	Internship
PSYC 4392	Senior Seminar in Psychology
PSYC 4X95	Independent Studies
PSYC 4X96H	Honors Tutorial
PSYC 4X97H	Honors Thesis
PSYC 4X98H	Honors Research
PSYC XX99	Special Topics

BACHELOR OF ARTS PSYCHOLOGY

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * <i>*(for students age 30 or above, or medical exemption)</i>	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN PSYCHOLOGY (3 hours may also meet general education requirements)	
<u>PSYCHOLOGY</u> <i>At least 24 hrs of psychology credit must be at the advanced level</i>	HOURS
PSYC 1340	3
PSYC 2360	3
PSYC 3301	3
PSYC 3305	3
PSYC 3306	3
PSYC 3340	3
PSYC 4300	3
PSYC 4341	3
PSYC 4392	3
Select 3 hrs from PSYC 3320, 4375	3
Select 9 hrs from Psychology electives	9
TOTAL HOURS	39
Electives recommended, but not required, for pursuit of any graduate field of psychology include: PSYC 3320, 4315, and 4388. Students planning to obtain graduate training in any applied areas of psychology should consider some of the following classes: PSYC 3382, 3385, 3390, 4320, 4365, 4370, 4375, XX99.	

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

PSYCHOLOGY DEPARTMENT MINORS

MINOR IN PSYCHOLOGY (Not available for Psychology majors)	
<u>COURSE</u>	HOURS
PSYC 1340	3
Select 9 hrs from PSYC 2360, 3301, 3320, 3340, 4300, 4341, 4375	9
Select 6 hrs from PSYC Electives	6
TOTAL HOURS	18

DEPARTMENT OF RELIGION AND PHILOSOPHY

Professor LeMasters, Dean of School of Social Sciences and Religion

Professor Kinlaw, Department Chair

Professor Miller

Associate Professors Stewart, Waters

Assistant Professor Libby

Mission and Goals:

The Mission of the Department of religion and philosophy is to administer programs in the academic fields of Religion and Philosophy and to cooperate with other academic departments in furthering the pursuit of Christian liberal arts education on our campus. The Department maintains a Wesleyan commitment to unite intellectual achievement and vital piety in ways that foster both academic excellence and mature Christian discipleship. The Department intends for the program in religion to serve the mission of McMurry University by accomplishing the following goals:

1. Introduce all McMurry students to the academic study of religion through general education courses such as Introduction to the Old Testament, Introduction to the new Testament, and Introduction to Christianity;
2. Offer advanced courses in Scripture, Christian theology and ethics, the history of Christianity, and other fields which prepare religion majors and minors for graduate school and/or seminary, and provide students majoring in other fields the opportunity to supplement their studies through advanced work in religion;
3. Offer a limited number of courses which introduce pre-ministerial students to the theory and practice of ministry in the United Methodist Church;
4. Provide religion students with opportunities for independent research through the religion departmental honors program;
5. Provide opportunities for McMurry students to participate in study abroad programs in religion.

SPECIAL PROGRAMS

Kappa Delta Sigma: Membership in Kappa Delta Sigma is open to all students majoring or minoring in religion and to all students with an interest in or commitment to service in Christian vocations, including ordained ministry. Activities will include programs of special interest and service projects.

Archaeology Experiences: McMurry University cooperates with a university consortium to provide opportunities for Middle East study and travel. The formal consortium (Drew, Gannon, and Lubbock Christian Universities) focuses on the Bronze Age archaeological project at Khirbet Iskander, Jordan, with both new discoveries and conservation work in former years. The summer program introduces McMurry students to hands on learning in a variety of areas, to include archaeology, art, Bible, history, religion and sociology. The project is done in cooperation with the Jordanian Department of Antiquities and the American Center for Oriental Research.

Course of Study: United Methodist local pastors who have completed the Course of Study may receive academic credit for coursework in religion. Interested students should submit transcripts from the Course of Study to the Office of the Registrar. Transcripts will be reviewed by members of the Religion faculty.

Departmental Awards: Each year one or more Cal C. Wright scholarships are presented to students showing outstanding potential for Christian ministry. Each year the George Steinman Award is presented to the McMurry junior religion major with the highest academic standing.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Religion and Philosophy Department:

GREK 2410	New Testament Greek Grammar I
GREK 2420	New Testament Greek Grammar II
GREK 3310	Greek Translation I
GREK 3320	Greek Translation II
GREK 4X95	Independent Studies
GREK XX99	Special Topics
PHIL 2350	Introduction to Philosophy
PHIL 2360	Logic
PHIL 3300	History of Ancient Philosophy
PHIL 3305	Medieval Philosophy
PHIL 3310	History of Modern Philosophy
PHIL 3325	Symbolic Logic
PHIL 3330	Topics in Ethics
PHIL 3340	Great Books in Political Philosophy
PHIL 3341	Classical German Political Philosophy
PHIL 3345	Philosophy of Mind
PHIL 4300	Religious Epistemology
PHIL 4310	Contemporary Philosophy
PHIL 4320	Philosophy of Religion
PHIL 4X95	Independent Studies
PHIL 4X96H	Honors Tutorial
PHIL 4X97H	Senior Thesis
PHIL 4398	Senior Seminar
PHIL XX99	Special Topics
RELI 1310	The Bible in One Semester
RELI 1330	Introduction to Christianity
RELI 2309	Holocaust Through the Eyes of Elie Wiesel
RELI 2310	Introduction to Christian Ministry
RELI 2330	Introduction to the Old Testament
RELI 2340	Introduction to the New Testament
RELI 2350	Religions of the World
RELI 2360	Research Methods in Religion and Philosophy
RELI 3300	Homiletics
RELI 3310	Eastern Orthodox Theology
RELI 3315	Catholic and Protestant Theology in Dialogue
RELI 3320	Biomedical Ethics
RELI 3330	Christian Ethics
RELI 3334 (a-)	Advanced Biblical Studies
RELI 3335	Introduction to Hospital Ministry
RELI 3340	Pastoral Care and Counseling
RELI 3375	History of Christianity to 1500
RELI 3385	History of Christianity from 1500
RELI 3390	Christianity in Scotland
RELI 4309	Holocaust Through the Eyes of Elie Wiesel
RELI 4320	Philosophy of Religion
RELI 4330	Sociology of Religion
RELI 4340	Worship and Liturgy
RELI 4365	The Christian Bible: Formation and Interpretation
RELI 4375	Augustine, Anselm, Aquinas, and Luther
RELI 4380	Methodist Movement, Pietism & Evangelical Revival
RELI 4388	Internship
RELI 4390	Senior Seminar
RELI 4X95	independent Studies
RELI 4X96H	Honors Tutorial
RELI 4X97H	Senior Thesis/Project
RELI XX99	Special Topics

BACHELOR OF ARTS RELIGION

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN RELIGION (3-6 hours may also meet general education requirements)	
<u>RELIGION</u>	HOURS
RELI 1330	3
RELI 2330	3
RELI 2340	3
RELI 2350	3
RELI 2360	3
RELI 4390	3
PHIL 2350	3
Select 3 hrs from (RELI 334a-g)	3
Select 3 hrs from RELI 3375, 3385, 4365, 4375, 4380	3
Select 3 hrs from RELI 3310, 3315, 3320, 3330	3
Select 6 hrs from RELI Electives	6
Select 3 hrs from Advanced Philosophy Electives	3
TOTAL HOURS	39

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS CHRISTIAN MINISTRY

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

GENERAL EDUCATION REQUIREMENTS	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) World Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 Society and Self Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, Health and Fitness Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN CHRISTIAN MINISTRY (3-6 hours may also meet general education requirements)	
RELIGION	HOURS
RELI 1330	3
RELI 2310	3
RELI 2360	3
RELI 3300	3
RELI 3340	3
RELI 4340	3
RELI 4388	3
Select 3 hrs from RELI 1310, 2330, 2340	3
Select 6 hrs from RELI 2350, 3310, 3315, 3320, 3330, 334a-g, 3375, 3385, 4365, 4375, 4380, 4399	6
Select 3 hrs from Advanced Religion Electives	3
TOTAL HOURS	33

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 2 years of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

RELIGION AND PHILOSOPHY DEPARTMENT MINORS

MINOR IN CHRISTIAN MINISTRY (Not available for Religion majors)	
<u>COURSE</u>	<u>HOURS</u>
RELI 1330	3
RELI 2310	3
RELI 2330	3
RELI 2340	3
RELI 4388	3
Select 3 hrs from RELI 3300 RELI 3335 RELI 3340 RELI 4340	3
TOTAL HOURS	18

MINOR IN GREEK	
<u>COURSE</u>	<u>HOURS</u>
GREK 2410	4
GREK 2420	4
GREK 3310	3
GREK 3320	3
Select 4 hrs from GREK 4X95, XX99	4
TOTAL HOURS	18

MINOR IN ETHICS	
<u>COURSE</u>	<u>HOURS</u>
SRLD 1300	3
PHIL 2350	3
RELI 3320	3
RELI 3330	3
PHIL 3330	3
BUSI 4385	3
TOTAL HOURS	18

MINOR IN PHILOSOPHY	
<u>COURSE</u>	<u>HOURS</u>
PHIL 2350	3
RELI 2360	3
Select 12 hours from PHIL Electives. At least 3 hours must be 4000 level	12
TOTAL HOURS	18

MINOR IN RELIGION (Not available for Religion majors)	
<u>COURSE</u>	<u>HOURS</u>
RELI 1310	3
RELI 2360	3
Select 6 hrs from RELI Electives	6
Select 6 hrs from Advanced RELI Electives	6
TOTAL HOURS	18

Servant Leadership

SERVANT LEADERSHIP

Associate Professor Mark Waters, Director

Vision:

The Servant Leadership Center of the Southwest seeks to create a better and more humane world by empowering servants, forming leaders, and transforming communities.

Mission:

The McMurry Servant Leadership Program began in the fall of 1990. The purpose of the program is to give curricular recognition to the fact that a Christian education at McMurry University carries a special responsibility. Any college education prepares people for leadership. But Christian principles require that these people serve society as well. Leadership should be undertaken as a service to the greater good of others. The Servant Leadership program teaches principles of leadership, but also teaches the means by which these should be used for the betterment of community and society.

Current Servant Leadership course offerings include Introduction to Ethics, Concepts and Techniques of Servant Leadership, Formation in Servant Leadership, Theories of Leadership, Dialogue with the Other, and Internship/Capstone. Introduction to Ethics and Concepts and Techniques of Servant Leadership may be used to fulfill McMurry University's general education requirement for Leadership, Excellence, and Virtue. Introduction to Ethics is taught in a traditional lecture-discussion format. Concepts and Techniques of Servant Leadership includes lectures, small group discussion and learning activities, and service learning assignments in nonprofit agencies around Abilene. Formation in Servant Leadership, Theories of Leadership, and Dialogue with the Other are taught in a seminar format.

Special Opportunities:

Preceptors. Students who successfully complete SRLD 1310 are eligible to apply as student preceptors (small group leaders) for this course in subsequent semesters. Preceptors lead weekly learning activities and oversee their group's work in service learning placements. This is a paid, work-study, position.

The Center for Global Leadership. Servant Leadership is a division of the Center for Global Leadership. Courses in the Servant Leadership program contribute to global competency and prepare students to be effective and ethical leaders in the broader global community.

Servant Leadership Courses:

SRLD 1300	Introduction to Ethics
SRLD 1310	Concepts and Techniques of Servant Leadership
SRLD 2310	Formation in Servant Leadership
SRLD 3310	Theories of Leadership
SRLD 3320	Dialogue with the Other
SRLD 4388	Internship

MINOR IN SERVANT LEADERSHIP	
COURSE	HOURS
SRLD 1300	3
SRLD 1310	3
SRLD 2310	3
SRLD 3310	3
SRLD 3320	3
SRLD 4388	3
TOTAL HOURS	18

DEPARTMENT OF SPANISH STUDIES

Associate Professor Gómez

Assistant Professor Ai

Mission and Goals:

The Department of Spanish Studies supports the missions of the university and the School of Arts and Letters offering academic excellence through the study of language, literature, and culture, and prepares the students to become proficient linguistically and culturally in a multicultural, multiethnic, and multilingual society and be able to communicate successfully. The Department will apply the National Standards for Foreign Language in the four basic skills of language learning: listening, speaking, reading and writing.

Bilingual Supplemental (EC-12)

Students who pursue Bilingual certification must be prepared to take the Texas Oral Proficiency Test (TOPT) in Spanish. Course work that will support the language requirements: SPAN 1410, 1420, 2310, 2320. Qualified students may make arrangements with the Department of Spanish Studies for credit by exam for these courses.

<u>BILINGUAL EDUCATION</u> <u>GRADES EC-12</u>	HOURS
SPAN 3301	3
SPAN 3331	3
READ 3334	3
HIST 3375 or SPAN 3336	3
SPAN 4322	3
SPAN 1410	4
SPAN 1420	4
SPAN 2310	3
SPAN 2320	3
TOTAL HOURS	29

Special Programs and Opportunities

Departmental Awards Each year, the outstanding students in elementary and intermediate language courses are recognized in the all-university awards ceremony. At the same ceremony, the Gertrude Looney scholarship is awarded to the outstanding junior language student, and the Elizabeth Myatt award is presented to the outstanding senior language student.

Sigma Delta Pi is a national Spanish Honor Society, with a chapter at McMurry, that distinguishes students who have completed 18 hours in Spanish (or have the equivalent proficiency), have a 3.00 average in Spanish, a 2.75 average overall, and who have completed at least one advanced course in Spanish literature or civilization.

Departmental Honors for Spanish. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Spanish Studies Department:

SPAN 1410	Elementary Spanish I
SPAN 1420	Elementary Spanish II
SPAN 2310	Intermediate Spanish I
SPAN 2320	Intermediate Spanish II
SPAN 3301	Conversation and Phonetics
SPAN 3331	Grammar and Composition
SPAN 3336	Hispanic Culture and Civilization
SPAN 4311	Survey of Spanish Peninsular Literature
SPAN 4312	Survey of Spanish American Literature
SPAN 4322	Spanish Linguistics
SPAN 4335	Spanish for Teachers and Majors
SPAN 4X95	Independent Studies
SPAN 4X96H	Honors Tutorial
SPAN 4X97H	Senior Thesis of Project
SPAN XX99	Special Topics

BACHELOR OF ARTS SPANISH

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN SPANISH	
<u>SPANISH</u>	HOURS
SPAN 1410, 1420, 2310, 2320, or demonstrate proficiency through competency testing	0-14
SPAN 4335 Select 15 hrs from SPAN 3301, 3331, 3336, 4311, 4312, 4322, 4X95, 4X99	3 15
TOTAL HOURS	18-32

FOREIGN LANGUAGE REQUIREMENT:

Foreign Language Requirement is met by courses taken in the major.

BACHELOR OF ARTS SPANISH GRADES EC-12

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN SPANISH GRADES EC-12

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS	MAJOR IN SPANISH GRADES EC-12 (REQUIRES A MINOR IN CURRICULUM & INSTRUCTION)	
		<u>SPANISH EC-12</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3	SPAN 2310	3
		SPAN 2320	3
		SPAN 3301	3
		SPAN 3331	3
		SPAN 3336	3
		SPAN 4311	3
		SPAN 4322	3
		SPAN 4335	3
		TOTAL HOURS	24
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3	<u>FOREIGN LANGUAGE REQUIREMENT:</u> Foreign Language Requirement is met by courses taken in the major.	
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3		
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3		
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3		
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3		
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3		
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2		
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4		
TOTAL HOURS	39		
		<u>COURSE</u>	HOURS
		CURR 2110 <i>The following CI courses listed in this box require admission to the Teacher Education Program.</i>	1
		CURR 3301	3
		CURR 3302	3
		CURR 4324	3
		CURR 4325	3
		CURR 4125	1
		CURR 4198	1
		CURR 4602	6
		TOTAL HOURS	21

SPANISH STUDIES DEPARTMENT MINORS

MINOR IN SPANISH (Not available for Spanish majors)	
<u>COURSE</u>	HOURS
SPAN 1410, 1420, 2310, 2320, or second-year proficiency	0-14
Select 6 hrs from SPAN 3301, 3331, 3336, 4311, 4312, 4322, 4335	6
TOTAL HOURS	6-20

DEPARTMENT OF SOCIOLOGY

Professor Wallace, Department Chair

Professor Hollingsworth

Assistant Professor Sechrist

Mission and Goals:

The Department of Sociology is oriented toward preparing students to:

1. Understand the structure and issues of contemporary society;
2. Discover that the individual both reacts to as well as creates the social world;
3. Use sociological concepts, insights, and methods in a systematic fashion;
4. Experience a discipline which has practical significance;
5. Continue graduate training;
6. Find employment in various social service or criminology fields.

Special Programs and Opportunities:

MicroCase. The Department of Sociology is part of the MicroCase Curriculum Plan which offers unprecedented access to social science data sets. In particular, MicroCase has General Social Survey data from the National Opinion Research Center.

ASA Department Affiliate. The professional society for sociologists is the American Sociological Association. Since the Department is an affiliate of ASA, it keeps students abreast of what the profession is doing. ASA publications like *Embarking Upon a Career with an Undergraduate Degree in Sociology* and *Guide to Graduate Programs* are received each year.

Sociology Club. The Sociology Club is open to students who are majoring or minoring in sociology. Its intent is to promote the study of social life, to enhance the relationship between sociology students and the human services agencies of our society, and to encourage fellowship among sociology students.

Alpha Kappa Delta. The Phi chapter of Alpha Kappa Delta, an international sociology honor society, was chartered at McMurry in 1990. The objective of Alpha Kappa Delta is to promote an interest in the study of sociology and the research of social problems. AKD sponsors a paper competition that inductees can participate in each year.

Departmental Awards. Each spring, awards are presented to distinguished students. The Jane Addams Award is given to the outstanding sophomore. A junior student will receive the Everett and Orabeth Woods Scholarship. An outstanding senior major is given the Dan Dodson Award, while another student could receive the Esma Morris Cash Scholarship. Regarding the minor in criminology, the Edwin Sutherland Award is presented to the outstanding student in criminology.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Sociology Department:

SOCI 1300	Collective Conscience
SOCI 2300	Introduction to Sociology
SOCI 2310	World Societies I
SOCI 2315	Criminology
SOCI 2320	World Societies II
SOCI 2350	Social Problems
SOCI 3300	Social Research
SOCI 3310	Social Theory
SOCI 3320	Sociological Investigations
SOCI 3325	Wrongfully Convicted
SOCI 3330	Social Stratification
SOCI 3335	Juvenile Delinquency
SOCI 3340	Social Psychology
SOCI 3345	Studies in Criminology
SOCI 3350	Race and Ethnicity
SOCI 3355	Serial Murder Investigations
SOCI 3360	Marriage and the Family
SOCI 3370	Gender and Society
SOCI 3375	White Collar Crime
SOCI 3392	Social Policy
SOCI 4325	Issues in Criminology
SOCI 4330	Sociology of Religion
SOCI 4335	Women and Crime
SOCI 4385	Comparative Criminology
SOCI 4392	Seminar in Sociology
SOCI 4395	Practicum
SOCI 4X96H	Honors Tutorial
SOCI 4X97H	Senior Thesis
SOCI XX99	Special Topics

BACHELOR OF ARTS SOCIOLOGY

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOC1 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOC1 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOC1 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * (for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN SOCIOLOGY (3-6 hours may also meet general education requirements)	
<u>SOCIOLOGY</u>	HOURS
SOCI 2300	3
SOCI 3300	3
SOCI 3310	3
SOCI 3330	3
SOCI 3350	3
SOCI 3370	3
SOCI 4392	3
Select 9 hrs from SOC1 Electives, MATH 3351	9
TOTAL HOURS	30

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

SOCIOLOGY DEPARTMENT MINORS

MINOR IN SOCIOLOGY (Not available for Sociology majors)	
<u>COURSE</u>	HOURS
SOCI 2300	3
SOCI 3330	3
SOCI 3350	3
SOCI 3370	3
Select 6 hrs from SOCI Electives	6
TOTAL HOURS	18

MINOR IN CRIMINOLOGY	
<u>COURSE</u>	HOURS
SOCI 2315	3
Select 15 hrs from SOCI 3325, 3335, 3345, 3355, 3375, 4325, 4335, 4385, 4X95	15
TOTAL HOURS	18

DEPARTMENT OF THEATRE

Professor Hukill

Associate Professor Ainsworth

Mission and Goals:

1. The successful student will be a theatre generalist with basic knowledge, practical skills, and problem-solving ability in all areas of theatre art. This student will embrace a liberal arts approach to theatre training, even within the BFA degree. At some time during the course of their education at McMurry, the successful student will participate in every aspect of play production, in addition to the required course work.
2. The student who excels will be prepared for a professional career in theatre, having had the experience of practical application of theory and analysis to design and performance technique. As a result of classroom instruction in history and theory and the department's production-oriented program, the successful student will engage in a wide range of opportunities to learn experientially and will have built a resume/portfolio in preparation for post-graduate endeavors.
3. The successful student will participate in the presentation of live theatrical performances for the entertainment and cultural enrichment of the McMurry community and the general public.
4. Through hands-on directing, designing and performing, the successful student will use the theatrical arts as a tool for representing humankind's search for meaning in life.

Special Programs and Opportunities:

Departmental Productions. McMurry theatre production auditions are open to all McMurry students with casting preference given to majors and minors. There are at least three faculty directed productions during each academic year. In addition, two to four full-length plays are offered each year by advanced students as senior projects and a series of one-act plays are staged each Spring by the Directing I class.

Summer Theatre. The summer theatre program attempts to produce one to three plays each summer in either conventional or dinner theatre formats. Guest directors, designers, and actors are regularly employed to offer the students exposure to as many different approaches to solving the problems of staging a play as possible.

Original Play Production. The department is dedicated to producing new plays written by McMurry students. Every other year, the department stages plays written by students of the Playwriting class of the previous year.

Out of a Trunk Theatre Company. The members of the company provide educational arts experiences in the public schools by presenting programs and conducting workshops throughout the school year.

Financial Aid. Students majoring or minoring in theatre may audition for theatre apprenticeships. Auditions are held during student preview weekends and by appointment.

Departmental Honors. Please see the description of the Honors Program under the Special Program section earlier in the catalog.

Courses Taught in the Theatre Department:

FA 2310

Survey of Fine Arts

THRE 1150

Dance: Tap or Jazz

THRE 1300

Introduction to Theatre

THRE 2110

Production I

THRE 2250

Make-up

THRE 2320

Improving Voice and Diction

THRE 2330

Acting I

THRE 2340

Stagecraft

THRE 2350

Costume Construction

THRE 3210

Production II

THRE 3310

Digital Video Capture and Editing

THRE 3320

Directing I

THRE 3325

Theatre and Fine Arts Management

THRE 3330

Acting II

THRE 3344

Fundamentals of Lighting Design

THRE 3345

Fundamentals of Scenic Design

THRE 3350

Theatre Hist & Drama. Lit: Greeks to 19th Century

THRE 3360

Creative Drama

THRE 3365

Theatre Hist & Drama. Lit: 19th Century to Present

THRE 3370

Playwriting

THRE 4320

Advanced Playwriting

THRE 4330

Acting III

THRE 4335

Musical Theatre Practicum

THRE 4340

Advanced Scenic Design

THRE 4350

Costume Design and History

THRE 4363

American Musical Theatre

THRE 4365

Theatre Arts in the Secondary School

THRE 4390

Senior Project in Theatre

THRE 4X95

Independent Studies

THRE 4X96H

Honors Tutorial

THRE XX99

Special Topics

BACHELOR OF ARTS THEATRE / ACTING AND DIRECTING FOCUS

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN THEATRE	
<u>THEATRE CORE</u>	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
SUBTOTAL HOURS	18
<u>ACTING AND DIRECTING FOCUS</u>	
<u>COURSE</u>	HOURS
THRE 2320	3
THRE 3350	3
THRE 3365	3
Select 12 hrs from THRE 1150, 2350, 3210, 3310, 3330, 3344, 3370, 4330, 4350	12
TOTAL HOURS	39

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS THEATRE / DESIGN AND TECHNOLOGY FOCUS

A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN THEATRE	
<u>THEATRE CORE</u>	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
SUBTOTAL HOURS	18
<u>DESIGN AND TECHNOLOGY FOCUS</u>	
<u>COURSE</u>	HOURS
THRE 2350 or 4350	3
THRE 3350	3
THRE 3365	3
Select 12 hrs from THRE 2320, 2350, 3210, 3310, 3344, 3370, 4350	12
TOTAL HOURS	39

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF ARTS THEATRE / THEATRE ARTS EDUCATION FOCUS

A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE B.A. DEGREE IN THEATRE WITH THEATRE ARTS EDUCATION FOCUS

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN THEATRE	
<u>THEATRE CORE</u>	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
SUBTOTAL HOURS	18
<u>THEATRE ARTS EDUCATION FOCUS</u>	
<u>COURSE</u>	HOURS
THRE 2350 or 4350	3
THRE 3344	3
THRE 3350	3
THRE 3365	3
THRE 4365	3
Select 6 hrs from THRE 1150, 2320, 2350, 3210, 3310, 3330, 3370, 4330, 4335, 4350	6
TOTAL HOURS	39

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 8-12)	
<u>COURSE</u>	HOURS
CURR 2110 <i>The following CURR courses listed in this box require admission to the Teacher Education Program.</i>	1
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
TOTAL HOURS	21

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF FINE ARTS THEATRE / ACTING AND DIRECTING FOCUS

**A MINOR IN MUSICAL THEATRE OR CREATIVE WRITING IS REQUIRED FOR
THE B.F.A DEGREE IN THEATRE WITH ACTING AND DIRECTING FOCUS**

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN THEATRE	
<u>BFA THEATRE CORE</u>	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
SUBTOTAL HOURS	18
<u>ACTING AND DIRECTING FOCUS</u>	
<u>COURSE</u>	HOURS
THRE 2320	3
THRE 3350	3
THRE 3365	3
Select 12 hrs from THRE 1150, 2350, 3310, 3330, 3344, 3370, 4330, 4350	12
TOTAL HOURS	39

MINOR IN MUSICAL THEATRE	
<u>COURSE</u>	HOURS
THRE 3210	2
THRE 4335	3
THRE 4363	3
Select 12 hrs from MUAP 1113, 1114, 1115, 1116, 111A, 112A, 0120, 0122, THRE 1150, 4335, MUTH 1330, 1340, MULH 2380, 3375, 3380, MUED 3235	12
TOTAL HOURS	20

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF FINE ARTS THEATRE / ACTING AND DIRECTING FOCUS

**A MINOR IN MUSICAL THEATRE OR CREATIVE WRITING IS REQUIRED FOR
THE B.F.A DEGREE IN THEATRE WITH ACTING AND DIRECTING FOCUS**

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <u>World</u> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <u>Society and Self</u> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <u>Health and Fitness</u> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN THEATRE	
<u>BFA THEATRE CORE</u>	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
SUBTOTAL HOURS	18
<u>ACTING AND DIRECTING FOCUS</u>	
<u>COURSE</u>	HOURS
THRE 2320	3
THRE 3350	3
THRE 3365	3
Select 12 hrs from THRE 1150, 2350, 3310, 3330, 3344, 3370, 4330, 4350	12
TOTAL HOURS	39

CREATIVE WRITING	
(Courses cannot count in both major and minor)	
<u>COURSE</u>	HOURS
THRE 4320	3
PHIL 2350	3
Select 3 hrs from ENGL 2* (Any sophomore level literature class)	3
Select 3 hrs from ENGL 4372, 4375	3
Select 6 hrs from ENGL 4371, 4374 PHIL 3330, 4320 THRE 4363	6
TOTAL HOURS	18

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

BACHELOR OF FINE ARTS THEATRE / DESIGN AND TECHNOLOGY FOCUS

**A MINOR IN THEATRE GRAPHIC DESIGN AND PROMOTION IS REQUIRED
FOR THE B.F.A. DEGREE IN THEATRE WITH DESIGN AND TECHNOLOGY FOCUS**

All degrees require a minimum of 120 credit hours, excluding remedial courses. A minimum of 39 credit hours must be advanced level.

<u>GENERAL EDUCATION REQUIREMENTS</u>	HOURS
LEADERSHIP, EXCELLENCE, AND VIRTUE (3 hrs) Select 3 hrs from HIST 2330, 2340, RELI 2309, SCIE 2310, SRLD 1300, 1310 SOCI 1300	3
MATHEMATICS (3 hrs) Select 3 hrs from MATH 1311, 1312, 1315, 1320, 2421, 2322, 3351	3
WRITTEN COMMUNICATION (6 hrs) ENGL 1310 ENGL 1320	3 3
ORAL COMMUNICATION (3 hrs) COMM 1310, 2330	3
CRITICAL REASONING (3 hrs) Select 3 hrs from BIMS 1300, COMM 2350, COSC 1322, 1325, ENGL 2300, 2310, 2320, 2350, MATH 2315, PHIL 2350, 2360	3
UNDERSTANDING CHRISTIAN TRADITION (3 hrs) Select 3 hrs from RELI 1310, 1330, 2330, 2340	3
FINE ARTS (3 hrs) Select 3 hrs from ARTS 1300, 1313 FNAR 2310, MULH 2301, THRE 1300	3
GLOBAL, SOCIETAL, AND PERSONAL PERSPECTIVES (11 hrs) <i>World</i> Select 3 hrs from ENGL 2330, HIST 1310, 1320, RELI 2350, POSC 2350, SOCI 2310, 2320 <i>Society and Self</i> Select 6 hrs from two disciplines ECON 2310, 2320, HIST 2310, 2320, POSC 2310, PSYC 1340, 2360, SOCI 2300, <i>Health and Fitness</i> Select 2 hrs from HFIT 1210 HFIT 1200 * *(for students age 30 or above, or medical exemption)	3 6 2
NATURAL SCIENCE (4 hrs) (as required by major) Select 4 hrs from BIOL 1401, 2401, CHEM 1400, 1405, 1410, GEOS 1405, 1410, 2420, PHYS 1400, 1401, 1410, 2510	4
TOTAL HOURS	39

MAJOR IN THEATRE	
<u>BFA THEATRE CORE</u>	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
SUBTOTAL HOURS	18
<u>DESIGN AND TECHNOLOGY FOCUS</u>	
<u>COURSE</u>	HOURS
THRE 2350 or 4350	3
THRE 3350	3
THRE 3365	3
Select 12 hrs from THRE 2320, 2350, 3310, 3344, 3370, 4350	12
TOTAL HOURS	39

MINOR IN THEATRE GRAPHIC DESIGN AND PROMOTION	
(This minor is required for Design and Technology focus)	
<u>COURSE</u>	HOURS
THRE 3210	2
THRE 3325	3
THRE 4340	3
Select 12 hrs from ARTS 1310, 2300, 2323, 3330, 3334, MMAP 2310 MKTG 3370, 3380,	12
TOTAL HOURS	20

FOREIGN LANGUAGE REQUIREMENT:

This major requires at least 1 year of single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam. The University foreign language requirement is described on page 35 of the catalog.

THEATRE DEPARTMENT MINORS

MINOR IN THEATRE (Not available for Theatre majors)	
<u>COURSE</u>	<u>HOURS</u>
THRE 2330	3
THRE 2340	3
THRE 2110	1
THRE 3320	3
Select 8 hrs from THRE electives (a minimum of 3 hrs must be advanced)	8
TOTAL HOURS	18

MINOR IN CREATIVE WRITING	
<u>COURSE</u>	<u>HOURS</u>
PHIL 2350	3
Select 3 hrs from THRE 3370, 4320	3
Select 3 hrs from ENGL 2* (Any sophomore level literature class)	3
Select 3 hrs from ENGL 4375, 4372	3
Select 6 hrs from THRE 2330, 4320, 4363 ENGL 4371, 4372, 4374, 4375 PHIL 3330, 4320	6
TOTAL HOURS	18

MINOR IN MUSICAL THEATRE	
<u>COURSE</u>	<u>HOURS</u>
THRE 3210	2
THRE 4335	3
THRE 4363	3
Select 12 hrs from MUAP 1113, 1114, 1115, 1116, 111A, 112A, 0120, 0122, THRE 1150, 4335, MUTH 1330, 1340, MULH 2380, 3375, 3380, MUED 3235	12
TOTAL HOURS	20

MINOR IN THEATRE GRAPHIC DESIGN AND PROMOTION (Not available for MMAP & Graphic Design majors)	
<u>COURSE</u>	<u>HOURS</u>
THRE 3210	2
THRE 3325	3
THRE 3345	3
Select 12 hrs from ARTS 1310, 2300, 2323, 3330, 3334, MMAP 2310 MKTG 3370, 3380,	12
TOTAL HOURS	20

GRADUATE STUDIES

*Inquires may be made by calling:
the Registrar at 325.793.3808.
Emails may be directed to:
gradstudies@mcm.edu*

Mission

The mission of McMurry University is to provide a Christian liberal arts and professional education that prepares students for a fulfilling life of leadership and service. The purpose of the Graduate Studies program is to advance the mission of the University through the rigorous pursuit of knowledge and by developing leaders capable of serving the needs of a global society.

DEGREE OFFERED:

Master of Science in Nursing (MSN)

Two tracks available:

- Education
- Family Nurse Practitioner

ADMISSION REQUIREMENTS

Full Admission

- The completed Graduate School application form, together with the \$35 non-refundable application fee and other required documents, should be received in the Office of the Registrar by July 1, if applying for fall admission, or November 1, if applying for spring admission. The applicant should indicate on the form the particular program for which he/she is applying.
- A baccalaureate degree from a regionally accredited college or university is required. A final official transcript, in English, from each school attended is required and should be mailed to the Office of the Registrar directly from each institution attended. The application will become void if a baccalaureate degree is not earned by the time of matriculation. Some graduate programs may require specific undergraduate degree or subset of courses taken as part of undergraduate preparation.
- Overall undergraduate GPA should not be less than 3.00. However, individual graduate programs may have higher requirements. Specific graduate programs may also put additional GPA requirements in the major or certain subset of undergraduate courses.
- Individual graduate programs may require minimum GRE or other standardized tests (appropriate to particular field of study).

- Essay, writing sample, and other requirements as specified will be determined by individual graduate programs.
- Number and types of recommendation letters and/or work experience are to be specified by individual graduate programs.

International students must meet the same requirements as other students applying to a graduate program, along with the following requirements:

- If English is not the native language, an official TOEFL score is required: 213 on the computer based; 550 on the paper based; 79 on the internet based TOEFL. (Official means the score must be sent directly from ETS to McMurry). Individual graduate programs may also put additional requirements on TOEFL subsection scores.
- Official academic transcripts must show evidence of completion of international equivalent of bachelor's degree.
- Individual graduate programs may add additional requirements to transcript/degree certification.
- International applicants must satisfy all academic admission requirements before a Form I-20 can be issued and before they leave their home countries.
- Provide an affidavit of support or a statement from the bank of financial responsibility.
- A deposit is required for international students who wish to live in the residence hall.

Conditional Admission

Students who do not meet all requirements for full graduate admission may be considered for conditional admission by the graduate department based on criteria that demonstrate the applicant's ability for success in that department's graduate program. Students who are admitted conditionally may be restricted to explicit conditions during the first semester of enrollment, including but not limited to, a restricted number of hours, earned GPA, and/or undergraduate prerequisite work, as required by the Graduate Council. The student will not be permitted to register for the subsequent semester if prescribed conditions are not met.

Tentative Admission

Tentative admission status may be granted temporarily for a student who has met all the requirements but has been unable to provide all the necessary materials, such as a final official transcript for courses in progress at time of matriculation. Students must be removed from tentative status before registering for the subsequent semester. (International students are not eligible for tentative admission.)

Delayed Admission

The letter of acceptance provided to the student will be for the specified semester only. If the student wishes to delay admission for one long semester, a written notification must be submitted to the Registrar. The Registrar will notify the appropriate major depart

Graduate Studies

ment. If admission is delayed beyond one semester, a new application must be submitted, along with all required documents.

Non-Degree Admission

A student may apply as a non-degree student by completing the non-degree application, which is obtained at the Registrar's office, and submitting all official transcripts. Admission as a non-degree student is not a guarantee of a successful admission into McMurry's graduate program for a later term or that the credits earned as non-degree will count towards the graduate degree. Some courses require admission to the program and/or departmental approval before enrolling as a non-degree student.

The non-degree status is for 1 semester only, not to exceed 9 credit hours. In order to continue taking graduate courses, the student must be admitted to the graduate school through the regular graduate admission process. There is no financial aid available for non-degree status.

Re-Admission

A student who withdraws from classes during a fall or spring semester or who is not enrolled for one long semester must complete a Readmission Application with the Registrar's office. Readmission to the graduate program is subject to the approval of the major department. Readmission applications should be completed and on file with the Registrar's office at least 30 days prior to the beginning of the semester in which the student wishes to return to McMurry.

A student who is not enrolled in the M.S.N program for a period of 1 year will be required to re-apply for admission to the program through PHSSN.

ACADEMIC PROGRESS

At the conclusion of each fall and spring semester, the major department evaluates the progress of each student and determines whether or not good academic standing has been maintained.

Individual departments or programs may have additional criteria above the minimum university academic standards, and, if so, the departmental standards will be the requirement for determining satisfactory academic progress.

Academic probation

If the cumulative GPA falls below 3.0 the student is placed on academic probation. The student must raise the cumulative GPA to a minimum of 3.0 by the end of the next two successive long semesters. The status of "Academic Probation" will be notated on the official transcript. A student cannot graduate while on academic probation

Academic suspension

A student on academic probation who fails to raise the cumulative GPA to 3.0 in the allotted timeframe is then suspended. A student may be suspended if a grade of D, F, or WF is earned in any semester.

Students must appeal directly to the Graduate Council to have their academic suspension lifted. The student may only be readmitted to the graduate program according to the recommendations and approval of the major department and the Graduate Council. The status of "Academic Suspension" will be notated on the official transcript. A student cannot enroll or graduate while on academic suspension.

GRADUATE COURSE WORK

No graduate credit will be granted for courses that were taken at the undergraduate level or a course less than the 5000 level, either at McMurry or elsewhere. Students must have an appropriate baccalaureate degree in order to enroll in graduate level courses at McMurry.

TIME FOR DEGREE COMPLETION

The graduate degree must be completed six academic years from term of initial enrollment in the graduate program. Any student who does not graduate within the six year time limit must meet the requirements of the most current catalog and petition the Graduate Council to continue in the graduate program under the new degree plan.

TRANSFER HOURS

A limited number of credit hours taken at another regionally accredited college or university may be considered for transfer if applicable to the student's graduate program at McMurry. A maximum number of six credit hours may be transferred at the graduate level. Such credits must be taken within five academic years of initial enrollment, must carry a "B" grade (3.0 on a 4.0 scale), and must be approved by the major department.

WITHDRAWING FROM THE UNIVERSITY

If withdrawing during a semester of enrollment is necessary, the student must obtain the appropriate paperwork from the Registrar's office. The form requires the signature of several campus offices, including the Business and Financial Aid offices. If procedure is not followed, the student is subject to receiving a grade of F in all courses. No student may withdraw after the last date of withdrawal specified in the academic calendar.

SECOND MASTER'S DEGREE

Students who are either currently enrolled in or have previously earned a master's degree may apply for an additional master's degree from McMurry.

Approval of a 2nd master's degree must meet the following requirements:

- All requirements for the 2nd master's degree must be satisfied.
- Permission to work on a 2nd master's degree concurrently is subject to approval of the Graduate Council.
- A total of 24 hours must be earned in resident McMurry courses for the 2nd master's degree.
- With approval from the major department of the 2nd master's degree, a maximum of 6 hours earned for the previous master's degree, may be applied.
- Courses applying to the 2nd degree must carry a minimum "B" grade.
- Only non-capstone/thesis/internship credits will be considered for possible transfer credit.
- All credit hours for the 2nd master's degree must be earned within five academic years following matriculation.

Patty Hanks Shelton School of Nursing

Nina Ouimette, Professor and Dean
Valerie Miller, Graduate Coordinator

Offices located at:
2149 Hickory Street
Abilene, Texas 79601
Phone: 325-671-2361
Fax: 325-671-2386
Email: vmiller@phssn.edu
Web: www.phssn.edu

Faculty

Janet Viola, Associate Professor
Kim Cooper, Assistant Professor
Jeanne Tucker, Assistant Professor
Andrea Cheek, Instructor
Tammie Coffman, Instructor
Alice Murphy, Instructor

Mission

The mission of the Patty Hanks Shelton School of Nursing is to educate baccalaureate and advanced practice nurses for lives of Christian service and leadership to meet the ever changing health care needs of a global society.

Purpose/Introduction

The purpose of the Master of Science in Nursing program is to prepare nurses to assume leadership roles in advanced family nurse practitioner positions, educators, or managers of patient care services within a variety of institutions or health care agencies. In addition, students are guided to incorporate theory and the research process in a variety of roles and practical settings.

The graduate program of the Patty Hanks Shelton School of Nursing (PHSSN) functions within the structure of an educational consortium consisting of Hardin Simmons University and McMurry University. It offers a Master of Science in Nursing degree (MSN) with a focus on education and administration or family nurse practitioner. The program faculty accepts the underlying philosophy and objectives of the consortium universities that individuals be educationally prepared in a manner that promotes the development of intellectual, cultural, moral and religious values.

Faculty believe that nursing is a profession that is responsive to the changing health care needs of individuals and is supported by an expanding body of knowledge. Graduate students, through study and interdisciplinary collaboration, expand their understanding of health, environment, person and nursing roles.

Building upon a baccalaureate nursing education, the faculty believes that development of critical thinking, communication, clinical skills, creativity

and self-direction are essential elements in graduate nursing education. Through the educational process faculty seek to promote awareness of social, cultural and ethnic diversity, believing it enriches professional growth and development. The collaborative educational process between the faculty and students promotes progressive mastery and increased learner maturity. Implicit in advanced practice nursing is the acceptance of accountability for lifelong learning, professional growth, competent practice and effective leadership.

Program Outcomes

1. Demonstrate proficiency in a specific practice area;
2. Develop strategies that incorporate theories and models from nursing and related disciplines for advanced practice;
3. Implement scientific inquiry to replicate, validate and test theories relevant to nursing;
4. Analyze cultural, social, ethical, economic and political perspectives that influence the health care delivery system;
5. Integrate the multi-roles of the nurse for interdisciplinary practice and advancement of optimum health care delivery;
6. Integrate critical thinking skills into oral and written communications.

Additional Outcomes for the Family Nurse Practitioner

The program outcomes of the nurse practitioner clinical concentration are to prepare nurses to provide primary care to clients of all ages in a variety of settings. The nurse practitioner has advanced expertise in the promotion and maintenance of optimal wellness and in the management of acute and chronic common health problems and chronic illnesses. Graduates of the MSN program who complete the nurse practitioner clinical concentration should be able to:

1. Use the nursing process to deliver advanced, comprehensive primary care to individuals and families throughout the life cycle in a variety of settings.
2. Assess community health education and service needs and resources and implement appropriate interventions and programs.
3. Collaborate with other health care providers to develop and implement appropriate treatment plans for individuals and families in primary settings.
4. Establish and implement protocols for consultation with and referral to physicians.
5. Prepare to take a national certification exam and petition the Board of Nurse Examiners for recognition as an Advanced Practice Nurse.

Applicants for the Master of Science in Nursing degree must hold a Bachelor of Science in Nursing degree from a regionally accredited school or university whose nursing program is NLN or CCNE accredited.

Admission Requirements

Admission criteria are listed in the Graduate School Admission Requirements section of the catalog.

In addition to the general Graduate School requirements, the following criteria will be required of all applicants to the nursing program. Admission to graduate study in nursing requires meeting the Academic Standards and the Departmental Endorsement requirements as listed below.

Academic Standards

1. Overall undergraduate GPA of 3.0.
2. GPA of 3.0 in all undergraduate course work in nursing.
3. Entrance test score: Graduate Record Exam (GRE) 850 (minimum) verbal and quantitative; 3.5 writing. 290 Composite score and 3.0 writing

Departmental Endorsement

Admission to the MSN requires the following to be submitted to or conducted by the School of Nursing:

1. Unencumbered licensure to practice as an RN in Texas and in good standing with the Board of Nurse Examiners.
2. Minimum of one year of clinical nursing practice.
3. Three letters of recommendation. Recommendations should be obtained from supervisors having knowledge of your clinical skills, work ethic and style, and/or professors attesting to your academic achievements and potential success in a graduate nursing program.
4. Completion of a PHSSN application sent by the School of Nursing.
5. Interview with program director.
6. For students whose first language is not English, an officially reported Test of English as a Foreign Language (TOEFL) score of at least 550 (written).
7. A completed PHSSN Health Form and proof of current immunization status.
8. ACLS (Advanced Cardiac Life Support Certification) is required for students prior to beginning clinical courses.

Provisional Admission

Provisional admission to graduate study in nursing requires the Graduate Record Exam (GRE) and one of the two GPA **Academic Standards** as listed above and obtaining **Departmental Endorsement**. Students granted provisional admission must maintain a 3.0 GPA during their first 9 hours of graduate work to be eligible to receive full admission and to continue graduate study. The provisional applicant is strongly encouraged to submit the application and all supporting documents by March 1.

Academic Standards following Admission:

- Must maintain a B average.
- Must make a grade of B or higher for promotion in the curriculum.
- A grade below C does not meet criteria for promotion in program and results in immediate and permanent dismissal.
- If two Cs are earned, immediate and permanent dismissal will result.

MASTER OF SCIENCE IN NURSING

McMurry University and PHSSN offer the MSN degree with a choice of two available tracks:

- Education
- Family Nurse Practitioner

Students must complete all requirements for their degree program within six years of the initial semester of enrollment.

Exit Requirements

The following criteria must be met to be eligible for graduation from the MSN program:

1. Minimum cumulative GPA of 3.0 (on a 4.0 scale);
2. Successful completion of all course work required for the chosen degree.

Requirements for the MSN / Education on-line track (33 hrs):

- ❖ All Classes are on online.

SPRING SEMESTER

NURS 5430	Advanced Pathophysiology
NURS 6442	Advanced Health Assessment

SUMMER SEMESTER

NURS 6352	Roles of the Nurse Educator
NURS 6410	Nursing Theories and Research for Advanced Healthcare Delivery

FALL SEMESTER

NURS 6330	Policies and Strategies for Advanced Healthcare Delivery
NURS 6441	Pharmacotherapeutics for Nurses in Advanced Practice

SPRING SEMESTER

NURS 6350	Curriculum Design and Development
NURS 6449	Instructional Methods, Testing, & Measurements

SUMMER SEMESTER

NURS 6450	Education Practicum
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Requirements for the MSN / Family Nurse Practitioner Track (44 hrs):

Prerequisite for the MSN for Family Nurse Practitioner is proof of a physical assessment course.

❖ 1st Year Students – All Classes are online

FALL SEMESTER

NURS 6330 Policies and Strategies for Advanced Healthcare Delivery
NURS 6441 Pharmacotherapeutics for Nurses in Advanced Practice

SPRING SEMESTER

NURS 5430 Adv Pathophysiology
NURS 6442 Advanced Health Assessment

❖ 2nd Year Students – All Classes held on Wednesdays.

SUMMER SEMESTER

NURS 6410 Nursing Theories and Research for Advanced Healthcare Delivery
NURS 6434 Skills for the Advanced Practice Nurse

FALL SEMESTER

NURS 3 hrs elective
NURS 6451 Family Nurse Practitioner I

SPRING SEMESTER

NURS 6340 Role Development for Advanced Practice
NURS 6452 Family Nurse Practitioner II

SUMMER SEMESTER

NURS 6453 Family Nurse Practitioner III
NURS 3 hrs elective

Master of Science in Nursing

EDUCATION TRACK	
COURSES	HOURS
<u>Spring Semester</u>	
NURS 5430	4
NURS 6442	4
<u>Summer Semester</u>	
NURS 6352	3
NURS 6410	4
<u>Fall Semester</u>	
NURS 6330	3
NURS 6441	4
<u>Spring Semester</u>	
NURS 6350	3
NURS 6449	4
<u>Summer Semester</u>	
NURS 6450	4
TOTAL HOURS	33

FAMILY NURSE PRACTITIONER TRACK	
COURSES	HOURS
<u>Fall Semester</u>	
NURS 6330	3
NURS 6441	4
<u>Spring Semester</u>	
NURS 5430	4
NURS 6442	4
<u>Summer Semester</u>	
NURS 6410	4
NURS 6434	4
<u>Fall Semester</u>	
NURS 3 Hrs Elective	3
NURS 6451	4
<u>Spring Semester</u>	
NURS 6340	3
NURS 6452	4
<u>Summer Semester</u>	
NURS 3 Hrs. Elective	3
NURS 6453	4
TOTAL HOURS	44

Graduate Course Descriptions

NURS 5430

Advanced Pathophysiology:

Scientific concepts of pathophysiology essential to diagnostic reasoning, clinical decision making, and management of disease states. Emphasis placed on concepts related to genetic, cellular, biochemical pathophysiology and common disease processes affecting major systems. Course designed to meet the educational needs of graduate nursing students.
(Fall, Spring)

NURS 6330

Policies and strategies for Advanced Health care Delivery

Focuses on health policy and the role of the health professions in the development, implementation, and influence on advanced healthcare delivery. Factors influencing health policy to be addressed include: ethics, demographics, delivery, social, political, scientific, fiscal, and other concerns. Health policy is analyzed in relation to cost-effectiveness or cost-benefit ratio. The effects of theories and research on health policy, healthcare programs, priorities of healthcare, source and numbers of providers, healthcare research, and funding sources will be addressed.

NURS 6340

Role Development for Advanced Practice

Analysis of role theories and application to the multi-dimensional roles of the nurse in advanced practice. Emphasis on integration of these roles in the healthcare system.

NURS 6343

Epidemiology in Advanced Nursing Practice

Prerequisite: NURS 6342. Epidemiology in Advanced Nursing Practice presents a traditional survey of the investigative principles and methods used to establish disease outbreaks and other public health deficits, and to quantify their impact on human populations. The unique role of the Advanced Practice Nurse on interdisciplinary epidemiological investigative teams will also be explored.

NURS 6346

Advanced Diagnostic Practice in Psychiatry Mental Health

Prerequisite: NURS 6342. Provide DSM-IV-TR and V didactic information, assessment skills, crises management, pharmacological application and understanding of psychopathology; also consultation and referral of psychiatric mental health problems across the spectrum for proficient healthcare delivery and management by advanced practice nursing necessary in primary care settings using evidence-based knowledge.

NURS 6350

Curriculum Design and development

Focus on concepts and theories basic to content and curriculum development in an academic or client-centered setting.

NURS 6352

Roles of the Nurse Educator

Students will examine the various activities inherent in the role of the nurse educator with emphasis on the development and use of traditional and creative teaching and evaluation methods.

NURS 6410

NURS 6410

Nursing Theories and Research for Advanced Healthcare Delivery

Analysis and critique of selected theories from nursing and other disciplines as related to the evidence-based research process. Scientific concepts, methods, ethical/legal concerns, and essential research techniques will be introduced for application to advanced nursing practice.
(Fall, Spring)

NURS 6434

Skills for Advanced Practice Nurses:

Builds on previous knowledge gained in microbiology, physiology, advanced pathophysiology, and pharmacotherapeutics for nurses in advanced practice. Focuses on application of laboratory methods, diagnostic methods, and primary care procedures for the advanced practice nurse role.
(Fall, Spring)

NURS 6441

Pharmacotherapeutics for Nurses in Advanced Practice:

Focuses on the pharmacologic and pharmacokinetic principles applicable to frequently prescribed drugs in advanced nursing practice. The emphasis of study is on pharmacologic agents used in the prevention and management of common acute or recurrent health problems.
(Fall, Spring)

NURS 6442

Advanced Health Assessment:

Develops and refines technical skills, critical thinking, and diagnostic reasoning in performing accurate comprehensive health assessments. Students perform health histories, physical examinations, and selected laboratory tests. Emphasis is on distinguishing normal variants from pathological changes across the lifespan. (20 clinical hours)
(Fall, Spring)

NURS 6449

Instructional Methods, Testing and Measurements

Instructional Methods, Testing, and Measurements: Provides an overview of evaluation techniques that enables nurses to plan and implement a variety of education-related evaluation approaches including test construction, item analysis, teaching effectiveness and clinical performance appraisals. Emphasis is on classroom/clinical instruction and evaluation and includes instructional technology.

NURS 6450

Education Practicum

Practical experiences that apply teaching/learning principles and theories, and evaluation methods in classroom and clinical settings. Practicum is supervised by experienced faculty and includes seminar discussion focusing on solution to contemporary issues in nursing education.

NURS 6451**Family Nurse Practitioner I**

Study of the major concepts and therapies necessary to implement the FNP role in primary healthcare. Emphasis is on analysis and application of research, theories, health policy, and clinical skills essential to health promotion, disease prevention, and early detection and management of health problems across the lifespan. Clinical experiences in selected primary care sites. (228 clinical hours)

NURS 6452**Family Nurse Practitioner II**

Progressive analysis of concepts and therapies used in the assessment and management of acute and chronic health issues of women and pediatric clients. Exploration of professional, legal, cultural, and ethical issues relating to these special populations. Clinical experiences relating to obstetrics, gynecology, and pediatrics are emphasized. (228 clinical hours)

NURS 6453**Family Nurse Practitioner III**

Progressive analysis of concepts and therapies used in the assessment and management of the geriatric client. Clinical practicum in selected primary health sites provide the opportunity to explore and apply knowledge and skills in guided family practice context. This final clinical course in the FNP track requires students to integrate and apply all previous attained knowledge relating to the APN roles. (144 clinical hours)

NURS 6X99**Special Topics (1-3 hours credit)**

Designed to meet special needs of individuals or special students. Offered as needed. May be repeated when topics is changed.

Course Descriptions - Undergraduate

ACADEMIC ADVANTAGE

ACAD 0300

Reading Improvement I (3-0) This course is designed to help students strengthen deficits in reading comprehension skills. Various techniques in developing vocabulary, determining main ideas, increasing reading speed, and other pertinent topics will be included in this course. (Fall as needed)

ACAD 0302

Reading Improvement II (3-0) Prerequisites: Appropriate score on reading placement test, or completion of ACAD 0300 with a grade of "C-" or better. Developmental Reading II is designed to prepare students to read college texts. Emphasis is placed on learning and applying study-reading strategies essential to success in academic courses. This course will include written and oral responses to reading materials in both individual, small group, and whole group environments. (Fall, Spring as needed)

ACAD 1100

Strategies For Learning (1-0) Strategies for Learning is a practical course designed to assist students in the acquisition and application of skills and attitudes necessary to reach their educational goals and to succeed in the university setting. Some out-of-class academic development activities may be required. Elective credit. (Fall, Spring)

ACAD 1200

Freshman Seminar (2-0) Prerequisites: None. Optional for first-time, full-time freshmen. Curriculum emphasizes identified student strengths applied to learning experiences and student and mentor relationships necessary for college success. Sessions focus on academic skills including critical thinking, research, writing, and project development. Class work is augmented by participation in personal development and student activities (Fall)

ENGL 0110

Writing Mechanics (1-0) This course covers the basic principles of grammatical structure and punctuation. Recommended for those needing or desiring more training in English grammar and usage. Laboratory time may be required. (Fall, Spring)

ENGL 0310

Introduction To Composition (3-0) The study of, and extensive practice in, process writing with emphasis on the basic elements of an effective essay, including work on mechanical skills. Recommended for those needing or desiring more training before taking ENGL 1310. Laboratory time is required. (Fall, and Spring as needed)

MATH 0320

Introductory Algebra (3-0) Curriculum includes elementary algebra including properties and operations of real numbers, operations with algebraic expressions, factoring, solving linear equations and equalities, quadratic equations, and the coordinate plane and graphing. Upon successful completion of MATH 0320, the student will be enrolled in MATH 0330. Laboratory time is required. (Fall, Spring)

MATH 0330

Intermediate Algebra (3-0) Prerequisite: Successful completion of MATH 0320 Introductory Algebra or demonstrated mastery of the concepts covered in MATH 0320. Module 1 in the Accelerated College Algebra series includes a review of introductory algebra concepts, quadratic equations, factoring, rational expressions, complex fractions, roots, radicals, absolute

value equations and inequalities, and functions. Upon successful completion of MATH 0330, the student will be enrolled in MATH 1311. Laboratory time is required. (Fall, Spring, and Summer as needed)

ACCOUNTING

ACCT 2310

Financial Accounting (3-0) Prerequisites: None. An introduction to accounting as a device for reporting business activity. The underlying principles of accounting are studied in addition to the construction and interpretation of financial statements as they apply to corporations. (Spring, Fall) (TCCN ACCT 2301)

ACCT 3303

Accounting Systems (3-0) Prerequisite: ACCT 2310. A study of information systems and of their role in the performance of the accounting function in business organizations; patterns of flow of accounting data and information in business; the principle of internal control; the use of computers in accounting information. (Spring)

ACCT 3305

Managerial Accounting (3-0) Prerequisite: ACCT 2310. The managerial uses of accounting data; analysis and interpretation of accounting reports; cost control, and methods of measuring performance. May not be used to complete degree requirements in Accounting concentration. (Fall odd years)

ACCT 3307

Fund Accounting (3-0) Prerequisite: ACCT 2310. The application of accounting principles to governmental units, other not-for-profit institutions. A presentation of "fund" accounting including budgets and reports. (Fall odd years)

ACCT 3311

Intermediate Accounting I (3-0) Prerequisite: ACCT 2310. The development of accounting theory with emphasis given to generally accepted accounting principles as applied to the balance sheet, the income and retained earnings statements, the recording process, current assets, current liabilities, and long-term investments. (Fall)

ACCT 3312

Intermediate Accounting II (3-0) Prerequisite: ACCT 3311. A continuation of accounting theory as applied to plant and equipment, intangible assets, long-term liabilities, capital stock, retained earnings, and statement analysis. (Spring)

ACCT 3330

Cost Accounting (3-0) Prerequisite: ACCT 2310. Applications of concepts of cost and managerial accounting in providing cost data for planning and controlling routine manufacturing, productive and supporting operations. The course emphasizes the relevance of cost concepts to modern decision tools. (Spring)

ACCT 3370

Introduction To Taxation (3-0) Prerequisite: ACCT 2310. An introduction to the taxation of individuals and fundamental tax provisions applicable to all taxable entities. These provisions include gain and loss recognition basis, capital gains, and business expenses. (Fall)

ACCT 4360

Advanced Topics In Taxation (3-0) Prerequisite: ACCT 3370. Advanced phases of taxation to include; fiduciary, partnership and corporate problems. Also covers estate and gift taxation. (Spring odd years)

ACCT 4365

Federal Tax Research (3-0) Prerequisite: ACCT 3370. Fundamentals of research procedures used to identify tax is-

Course Descriptions - Undergraduate

sues, locate and evaluate diverse sources of authority, reach conclusions, and make recommendations. The course places an emphasis on the use of online databases and computerized research tactics. Also covers ethical issues and professional responsibility of tax return preparers. (Spring even years)

ACCT 4370

Topics in Advanced Accounting (3-0) Prerequisite: ACCT 3312. Accounting theory as applied to partnerships, bankruptcy, multinational transactions, and derivative instruments. Includes research project(s) using FASB Codification and other authoritative sources. (Fall even years)

ACCT 4371

Advanced Accounting (3-0) Prerequisite: ACCT 3312. Accounting theory as applied to combined corporate entities. Includes research project(s) using FASB Codification and other authoritative sources. (Spring)

ACCT 4X88

Internship (variable credit) A pre-approved and supervised work experience designed to supplement academic training. Credit may be granted for one, two, or three semester hours. A student completing a dual concentration could be eligible for an internship in each concentration; however, a separate internship work experience would be required for each concentration. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

ACCT 4390

Auditing Theory and Practice (3-0) Prerequisite: ACCT 3312, ACCT 3303. Introduction to audit theory and the nature of auditing. Emphasis on understanding the accounting profession and the relationship between the firm, the auditor, and external users of financial statements; as well as, developing the skills and knowledge to become an auditor. (Fall)

ACCT 4X95

Independent Studies (variable credit) Prerequisites: Senior standing and consent of the Dean. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

ACCT XX99

Special Topics (variable credit) Prerequisite: Permission of instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary.

ART

ARTS 1300

Exploring the Visual Arts (3-0) Prerequisites: None. A required course for BFA, BA, and Art Minor, fulfills general education requirements in Fine arts. This course is for any student interested in visual cultural enrichment. It is an overview of how to look at art and a basic understanding of what is involved in the creation, analysis and appreciation of any particular work of art. Examples of art from around the world and from the past to present will be studied in image-based lectures, discussions, demonstrations, hands-on activities and field trips to art galleries and museums. (Fall, Spring, Summer) (TCCN ARTS 1301)

ARTS 1310

Elements of Design I (0-6) Prerequisites: None. Required for BFA, BA, Art Minor. A foundation course for all Art majors and minors. The basic concepts of composition and relationships of

space, form, light, color, shape and texture are explored in assignments. The students will critique and evaluate their designs. The students will recognize composition, art element, and principles used by other artists. (Fall, Spring) (TCCN ARTS 1311)

ARTS 1313

Basic Pottery (0-6) Prerequisites: None. Fulfills general education requirement for fine arts. Required for BFA, BA, and minor in Art. The study of line, form, space, texture, and the art principles applied to ceramics. An introduction to ceramic processes and personal self-expression, to include image based lecture, slides, field trips, demonstrations, and studio work. Students will evaluate their art and research and respond to, historic and contemporary works of art made using ceramics. Basic techniques in the use of clay, including handbuilding, throwing on the potter's wheel, glazing and firing, will be covered. A materials fee is charged for this course. (Fall, Spring, as needed) (TCCN ARTS 2346)

ARTS 2300

Fundamentals of Drawing (0-6) Prerequisites: None. Required for BFA, BA optional for minor in Art. This basic art course explains visual awareness and prepares the student to solve problems in drawing. Technical skill are developed in the use of black and white media, linear and aerial perspective, shading, proportion, texture and structure analysis. (Fall) (TCCN ARTS 1316)

ARTS 2301

Art History I (3-0) Prerequisites: ARTS 1300 or permission of instructor. Required for BFA, optional elective for BA. Survey of Western European and non-European art history from Pre-historic to Gothic: painting, sculpture, architecture, and decorative art forms typical of each period—and their artistic significance—as records of the spiritual and social evolution of humankind. Image-based lectures, discussions, quizzes, exams, DVD's/videos, field trips to museums and galleries. (Fall even years, and as needed) (TCCN ARTS 1303)

ARTS 2302

ARTS History II (3-0) Prerequisite: ARTS 1300. Required course for BFA, choice for BA. Survey of Western European and non-European art history from proto-Renaissance to Modern times: painting, sculpture, architecture, and decorative art forms typical of each period—and their artistic significance—as records of the spiritual and social evolution of humankind. Image-based lectures, discussions, quizzes, exams, DVD's/videos, field trips to museums and galleries. (Spring even years, and as needed) (TCCN ARTS 1304)

ARTS 2304

Creative Drawing (0-6) Prerequisites: None. Required for BFA, optional for minor in Art, optional elective for BA. This course teaches creative and expressive use of the technical skills learned in Fundamentals of Drawing. A variety of drawing media is used to further develop the conceptual and aesthetic aspects of students' drawings. Course fees apply. (Spring even years) (TCCN ARTS 1317)

ARTS 2310

Painting I (0-6) Prerequisites: ARTS 1310, or permission of instructor. Required for BFA, BA, optional for minor in Art. Emphasis on fundamentals of painting techniques, stretching canvases, composition, color, spatial illusion, and study of artists related to studio problems. Expressive interpretation in acrylic from still life, landscape, abstraction and/or non-objective. Lectures, images, slides, videos, studio work, critiques, field trips and demonstration are involved in this painting course. Course fees apply. (Spring) (TCCN ARTS 2316)

ARTS 2314

Techniques in Handbuilding (0-6) Prerequisites: ARTS 1313 or permission of instructor. An investigation of slab, pinch, coil and other alternative methods to the potter's wheel, to develop forms and textures in functional and sculptural forms. Lectures, images, studio work, research and critiques are involved in this pottery course. (Spring even years)

ARTS 2321

Three-Dimensional Design (0-6) Prerequisites: ARTS 1310 or permission of instructor. Required for BFA and BA. Study of line, form, space and texture in three-dimensional materials and concepts. Study of artists related to class studio problems, through slides, lectures, critiques, videos, field trips to museums and galleries. A materials fee is charged for this course. (Spring odd years, and as needed) (TCCN ARTS 2311)

ARTS 2323

Fundamentals of Photography (0-3) Prerequisites: None. The introduction to the use of 35mm single lens reflex cameras. Visual and technical aspects of photography emphasized. Extensive instruction on darkroom procedures culminating in the preparation of a student photographic portfolio of photographs taken and printed during the class. Lecture and lab 6 hours a week. A materials fee is charged for this course. (Fall, Spring, and as needed.) (TCCN ARTS 2356)

ARTS 2330

Beginning Digital Photography (3-3) Prerequisites: None. The introduction to the use of the DSLR camera and the realm of digital photography. The student will become proficient in the technical aspect of photographing and working with those images including digital editing, resolution, saving, sizing, printing and printing of those images. The student will experience extensive instruction on digital procedures and manipulation, field trips and shooting excursions, editing and critiques which will culminate in the presentation of a student portfolio and participation in the student art competition. The student will supply his own DSLR, memory cards, and batteries. Course fees apply. (Summer and as needed)

ARTS 3310,3320

Life Drawing I and II (0-6) Prerequisites: ARTS 2300 or 2304 or permission of instructor. Drawing of the human figure in a variety of media. Problems in construction and composition of the figure, drawing from skeleton and live models. (Spring odd years)

ARTS 3313

Techniques in Wheel Throwing (0-6) Prerequisites: ARTS 1313 or permission of instructor. A refining of the basic skills in the use of the potter's wheel learned in Basic Pottery. The students should learn the importance of form to function and decoration and aesthetic judgments. Lectures, slides, videos, studio work, critiques and demonstration are involved in this pottery course. Course fees apply. (Fall)

ARTS 3315

Ceramic Sculpture (0-6) Prerequisites: ARTS 1313 or permission of instructor. The use of clay as a sculptural media not associated with the "vessel" tradition. Contemporary use of clay to include a variety of firing, glazing and alternative finishing techniques. Study of artists related to class studio problems, through slides, lectures, critiques, videos, field trips to museums and galleries. A materials fee is charged for this course. (Spring odd years)

ARTS 3321

Painting II; Still Life Painting (0-6) Prerequisites: ARTS 2310 or permission of instructor. Designed to give students a thorough knowledge of the procedures in depicting form, volume, the illusion of space and depth, and the behavior of color, value, and texture under controlled studio lighting. Emphasis is pla-

ced on a strong composition, emotional impact, communication of ideas, creating a mood, and the congruity of technique. (Fall odd years, and as needed)

ARTS 3322

Modern Art History (3-0) Prerequisites: ARTS 1300 or permission of instructor. Survey covering pre-Modern to Contemporary Art: European and non-European artists, architects, and others of international importance who are typical of a multitude of art movements around the world—and their artistic significance—as records of aesthetic expression of humankind. Image-based lectures, discussions, videos and field trips to museums and galleries. (Spring odd years)

ARTS 3323

Non-European Art (3-0) Prerequisites: ARTS 1300 or permission of instructor. See 3322. Creates a cultural bridge to better understanding of some ancient and emerging nations in the changing world. Includes art of Asia, Africa, Oceania, and the Americas. Also includes recent archaeological finds, contemporary trends and past histories that have already influenced the art of Western Civilization in image-based lectures, discussions, videos and field trips to museum and galleries. (Fall odd years, and as needed)

ARTS 3328

Advanced Photography (0-3) Prerequisites: ARTS 2323, 2330 or permission of instructor. In-depth study of the finer points of creative photography. Emphasis on exposure controls and depth of field. Darkroom production of fine arts prints. Exploring digital and medium format photography. Studio photography, digital photography, and portfolio preparation for senior show. Lecture and lab 6 hours a week. A materials fee is charged for this course. (Spring, and as needed.)

ARTS 3330

Computer Graphics Design (3-0) Prerequisite: suggested ARTS 1310. Required for BFA, optional advanced art elective for BA or Art minor. A studio course designed to introduce languages and methods of using the computer to generate images. The course explores alternative image making and problem solving using Macintosh computer programs as applied to the visual arts. Illustrator, Photoshop, and other programs are used to generate images. The image as communication will be emphasized while introducing layout and design. A materials fee is charged for this course. (Fall, Spring)

ARTS 3334

Desktop Publishing (3-0) Prerequisite: ARTS 1310. A studio course designed to address the creation of print published materials. The course will emphasize developing layout and design skills for newspaper, direct-mail, magazine, brochure, web design, PDF, and book publishing. Adobe InDesign and Photoshop are used. A materials fee is charged for this course. (Spring)

ARTS 3336

Special Topics in Graphic Design (3-0) Prerequisites: ARTS 3330, or permission from instructor. A studio course designed to address two topics in graphic design. (1) Computer illustration - logos, fonts, and symbol systems. (2) Packaging - retail, grocery, and clothing packages. May be repeated for credit as topics change. A materials fee is charged for this course. (Fall, Spring)

ARTS 3340

Painting III Advanced Painting (0-6) Prerequisites: ARTS 2310 or permission of instructor. An advanced study of aesthetic principles, composition and color. Emphasis on conceptual development with more individual choice of pictorial interpretation. Course includes study techniques and images of

Course Descriptions - Undergraduate

famous and regional painters through image/lectures, CD roms, discussion videos and field trips to museums and galleries. (Spring, and as needed)

ARTS 3360

Secondary School Art (0-6) Suggested prerequisite: ARTS 3370. Students will develop: insight into the appreciation of historical and contemporary art; develop skills in selective art media; become familiar with child development in art and with art terminology; and learn how to motivate, guide, evaluate and exhibit 5-12 grade students' art works. (Spring odd years, and as needed)

ARTS 3370

Elementary School Art (0-6) Prerequisite: suggested ARTS 1300. Students will develop: insight into the appreciation of historical and contemporary art; develop skills in selective art media; become familiar with child development in art and with art terminology; and learn how to motivate, guide, evaluate and exhibit EC – 6 grade students' art works. (Fall, and as needed)

ARTS 3390

Gallery Practices (3-0) Prerequisites: ARTS 1300 or permission of instructor. This course includes 70 clock hours of gallery internship. Students will explore art careers, especially in gallery and museum settings, as well as, familiarize students with professional display of their art work. Students will gain hands-on experience in curating art exhibits, hanging shows, labeling, lighting, hosting, and publicizing exhibits at McMurry University's Amy Graves Ryan Fine Art Gallery and area galleries and museums. This is to be taken sophomore or junior year. (Spring)

ARTS 3391

Jewelry Design (0-6) Prerequisite: suggested ARTS 2321. Optional advanced art elective for BFA, BA, and Art minors. Optional art concentration area for BFA. The design and construction of contemporary jewelry and study of historical designs and usage. Processes include fabrication and casting. Emphasis placed on originality and craftsmanship. (Spring even years, and as needed)

ARTS 4313

Clay and Glaze Calculation and Kilnbuilding (0-6) Prerequisite: ARTS 1313. The students will learn to calculate glazes and clay bodies to achieve specific results. The students will develop a notebook and examples of raku, cone 05, cone 6, and cone 10 glazes and clay bodies. The student will become aware of the uses of the individual minerals that comprise a glaze, clay body and their function. The student will gain a more thorough understanding of the firing processes by firing bisque, raku, lowfire, cone 6, and cone kilns. A materials fee is charged for this course. (Spring odd years, and as needed)

ARTS 4335

Painting IV Special Topics (3-0) Prerequisites: ARTS 1310 and ARTS 2310 or permission of instructor. Suggested prerequisite is ARTS 3310 or ARTS 3320 (life drawing). Designed to give students a thorough knowledge of the procedures in depicting form, volume, the illusion of space and depth, and the behavior of color, value, and texture under controlled studio lighting, painting from a model and through painting on location. Emphasis is placed on a strong composition, emotional impact, communication of ideas, creating a mood, capturing a likeness, and the congruity of technique. Various painting media will be explored. This course may be repeated as topics change. (Fall, and as needed)

ARTS 4390

Professional Practices/Internship (3-0) Prerequisites: ARTS 3330, MMAP 2310, senior standing, or permission of instructor. Required for BA and BFA art majors. This course includes 50

hours of an internship. Senior art students are prepared for a professional exhibition of his/her art work. It also prepares the student for job interviews, opening a private studio, applying to graduate school and entering professional competitions. The internship hours in this course provides opportunity for students to gain actual experience through on-the-job assignments in an art or graphics related concern or business. (Fall, and as needed)

ARTS 4X95

Independent Studies (variable credit) Prerequisite: permission of instructor. A study program arranged between an advanced student and the instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation and a means of measuring progress. A materials fee may be charged for this course. (By arrangement)

ARTS 4X96H

Honors Tutorial (Variable Credit)

An in-depth study, which may be related to an upper-level art course, taken with concurrent enrollment, or after successful completion of the course. The Honors Tutorial may be repeated for credit, not to exceed 4 hours of combined credit. Honors students should complete the Honors Tutorial the semester prior to the Honors Thesis, ART 4X97.

ARTS 4X97H

Honors Thesis (Variable Credit)

This course represents the senior project for honors students in the Art Department. Following completion of the Honors Tutorial, the student will design, execute and present orally, and in writing, a research project which explores an issue or concept in Art.

ARTS XX99

Special Topics (variable credit) Prerequisite: permission of instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, to observe special departmental curriculum, or to observe special events. May be repeated for credit when topics vary. A materials fee may be charged for this course. (As needed)

BILINGUAL EDUCATION

BIED 3301

Advanced Conversation and Phonetics (3-0) Prerequisites: SPAN 2320. Designed to strengthen speaking skills and oral comprehension. Oral practice is based in part on dramatic readings in class. (Spring odd years)
(Required for Bilingual Education Generalist EC-6)

BIED 3331

Grammar and Composition (3-0) Prerequisites: SPAN 2320
An in-depth study of the grammatical structure of Spanish with emphasis on idiomatic expressions, syntax and the development of an individual literary style. (Fall)
(Required for Bilingual Education Generalist EC-6)

BIED 3336

Hispanic Culture and Civilization (3-0) Prerequisite: SPAN 2320, SPAN 3331 or departmental approval. A study of Iberian and Spanish American patterns of civilization. Key aspects of Hispanic history, economy, art, political life, and cultural topography are studied. (Fall odd years)

BIED 3375

Mexico (3-0) Prerequisites: 6 hours of lower level history. The history of Mexico from prehistoric times to the present; political, economic, social, and intellectual development; United States-Mexican relations. (Also cross-listed as HIST 3375) (Fall odd years) (Required for Bilingual Education Generalist EC-6)

BIED 4322

Spanish Linguistics (3-0) Prerequisites: SPAN 2320, SPAN 3331 or departmental approval. A study of the contrastive linguistics of Spanish and English. Acquaints students with the basics of descriptive, applied, psycho- and sociolinguistics. (Spring odd years) (Required for Bilingual Education Generalist EC-6)

BIED 4335

Spanish for Teachers and Majors (3-0) Prerequisites: All Elementary, Intermediate and advanced courses or departmental approval. A practicum in language mastery. Prospective teachers learn theories, principles, strategies, techniques, and practical applications on how language is introduced and taught in meaningful contexts, it will assist the future teacher to develop a personal philosophy of language learning and teaching, suggestions for planning, teaching and assessment. Prospective teachers must demonstrate preparedness to pass state required tests for certification. This is the capstone course for Spanish. (Spring even years)

BIED 4X95

Independent Studies (3-0) Prerequisites: Permission of instructor. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress.

BIED XX99

Special Topics (3-0) Prerequisites: Permission of instructor. A study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary.

BIOMEDICAL SCIENCE**BIMS 1101**

Biology of Unicellular Organisms Lab (0-3). Prerequisites: Successful completion of (or concurrent enrollment in) BIOL 1301, or permission of instructor. This is a required course for the B.S. in Biomedical Science major. An introduction to the methods used for studying unicellular organisms. Open-ended investigative projects culminate in faculty review of poster presentations. (Fall)

BIMS 1300

Introduction to Scientific Research (3-0). Prerequisites: None. This is a required course for the B.S. in Biomedical Science major. This course satisfies the general education requirement for Critical Reasoning. An introduction to the process of observation, thought, analysis, and reasoning central to science and research. Various approaches to qualitative and quantitative scientific investigation and ethical decisions in science are emphasized. These elements are illustrated in a student-designed course project. (Spring) (TCCN BIOL 1306)

BIMS 2105

Medical Terminology I (1-0) Prerequisite: None. A study and practical application of a medical vocabulary system. Includes structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, roots, and combining forms. (Fall, spring)

BIMS 3205

Medical Terminology II (2-0) Prerequisite: BIMS 2105. A continuation of Medical Terminology I. Topics include structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, roots, and combining forms as they relate to body systems, including disorders and diseases. (Fall, spring)

BIMS 3410

Microbiology (3-3) Prerequisites: BIOL 1301, CHEM 1410 and CHEM 1420. This is a required course for majors in Biomedical Science. An introduction to the morphology, physiology, genetics, growth, pathogenicity, and control of microbes, and also immunological interactions between microbes and man. (Fall, Spring)

BIMS 3430

Human Physiology (3-3) Prerequisites: (BIOL 1301 and either BIMS 3410 or BIOL 3460) or (BIOL 1403 and BIOL 3440) or (BIOL 2401 and BIOL 2402). Designed for majors and minors. A study of the function and chemistry of organ systems of the human body using experimental approaches and computer simulations. (Spring)

BIMS 4000

Junior Exam (0-0). Prerequisite: Junior standing. This is a required course for the B.S. in Biomedical Science major. BIMS majors are required to take basic knowledge tests over foundational principles of biology to qualify for advanced projects upon entrance into BIMS 4201 BIMS Senior Capstone. Tests may be taken repeatedly until satisfactory scores are achieved. This course is pass/fail. (Fall, Spring)

BIMS 4120

Molecular and Cellular Biology Laboratory (0-3). Prerequisites: Completion of (or concurrent enrollment in) BIMS 4320, or permission of instructor. This is a required course for the B.S. in Biomedical Science and Biochemistry majors. An introduction to basic laboratory techniques used for the study of cells, organelles, and molecules. Methods will be taught through experimental approaches, culminating in the reporting of the findings in a scientific format. (Fall)

BIMS 4201

BIMS Capstone Experience (1-3). Prerequisites: Senior standing and completion of BIMS 4250 and BIMS 4000, or approval of the dean. This course is required for the B.S. in Biomedical Science major. Participation in a capstone experience in the biological sciences, which integrates knowledge from course work and culminates in observations, data handling, and analysis to be used for completing a writing assignment in BIOL 4101. Capstone experiences may consist of original research, experience obtained in internships, summer research experiences, or other appropriate activities. (Fall, Spring)

BIMS 4320

Molecular and Cellular Biology (3-0) Prerequisites: CHEM 3410, and CHEM 3420. This is a required course for the B.S. in Biomedical Science and Biochemistry majors. A study of biology at the cellular and molecular level. Topics drawn from the anatomy and physiology of eukaryotic cells, gene expression and regulation, energy transformation, organelle function and biosynthesis, growth and division, intracellular transport, cell signaling, and the development of tissues and multicellular organisms. (Fall)

BIMS 4X91

Advanced Topics in Microbiology and Public Health (3-0/3) Prerequisites: BIMS 3410, and other courses as appropriate to the topic offered. An elective course for the Biomedical Science major designed to discuss and explore specialized topics in microbiology and/or public health with special attention to health-

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and disease. Potential courses include Epidemiology, Medical Microbiology, immunology, Virology, Bacterial Physiology, Food Microbiology, and other specialized courses. (As needed)

BIMS 4X92

Advanced Topics in Molecular Biology and Genetics (3-0/3)
Prerequisites: BIOL 3460, and other courses as appropriate to the topic offered. An elective course for the Biomedical Science major designed to discuss and explore specialized topics in molecular biology and/or genetics with special attention to health and disease. Potential courses include Advanced Genetics, Genetic Engineering, Cell Signaling Mechanisms, Bioinformatics, Cancer Biology, and other specialized courses. (As needed)

BIOLOGY

BIOL 1301

Biology of Unicellular Organisms (3-0) Prerequisites: None. An introductory level course intended to familiarize students with the nature of cells and the diversity, heredity, physiology, ecology, and evolution of unicellular organisms. This course is required for the Biology, Biomedical Science, Biochemistry, and Life Science majors. Biomedical Sciences majors are required to take BIMS 1101 Biology of Unicellular Organisms Laboratory. (Fall, Spring) (TCCN BIOL 1307)

BIOL 1401

Principles of Biology (3-3) Prerequisites: None. Designed as a course for general education credit in Natural Science for non-majors. An introduction to the fundamental principles and processes of life, including the diversity of life, the nature of cells, the principles of heredity basic organismal physiology evolution, and the interdependence of life. (Fall, Spring) (TCCN BIOL 1408)

BIOL 1402

Biology of Plants (3-3) Prerequisites: None. Designed for Biology and Life Science majors, and Biology minor. A beginning course in botany emphasizing plant cells and tissues, development, genetics, physiology, and evolution. The life cycles and major phyla of algae and green plants discussed in the ecological and phylogenetic framework. (Fall) (TCCN BIOL 1411)

BIOL 1403

Biology of Animals (3-3) Prerequisites: None. Designed for Biology and Life Science majors, and Biology minor. A beginning course in zoology emphasizing animal cells and tissues, development, genetics, physiology, and evolution. The major phyla of animals are used as examples. (Spring) (TCCN BIOL 1413)

BIOL 2110

Environmental Seminar (1-0). Prerequisites: BIOL 1402 and BIOL 1403. This is a required course for the Biology major. A course designed to discuss and explore current & classical issues in environmental biology. Topics covered may include the biodiversity crisis, the ethics of habitat management & protection, global warming, conservation biology & wildlife management, pollution and sustainable resource management. (Spring)

BIOL 2401

Human Anatomy and Physiology I (3-3) Prerequisites: None. Credit will not count toward the Biology or Biomedical Science majors, but this course is required for degrees in Nursing, Exercise Science & Human Performance, and Life Sciences, and for students pursuing athletic trainer certification. A study of cells, tissues, and cellular processes of the human body, as well as the structure and function of the integumentary, skeletal, muscular, nervous, and endocrine systems. Laboratory emphasis on skeletal and muscular systems. (Fall) (TCCN BIOL 2401)

BIOL 2402

Human Anatomy and Physiology II (3-3) Prerequisites: BIOL 2401 or permission of the instructor. Credit will not count toward the Biology or Biomedical Science majors. A study of the structure and function of the digestive, respiratory, cardiovascular, lymphatic, urinary, and reproductive systems of the human body. Laboratory emphasis on physiology of organ systems. (Spring) (TCCN BIOL 2402)

BIOL 3330

Biogeography (3-0). Prerequisites: GEOS 1405, BIOL 1402 and BIOL 1403. An introduction to the history of life on Earth and how that history is reflected in the current distribution of living things and the taxonomy of life. Emphasis is given to the biotic and abiotic factors affecting the distribution of living things, and what the patterns of distribution tell us about the natural environment. (Spring)

BIOL 3403

Foundations of Microbiology (3-3) Prerequisites: One semester of college science or permission of the instructor. Intended for students in allied health, teaching fields, and other non-majors. This course will not count for credit toward a biology major or minor or a biomedical science major. It will satisfy requirements for the Life Sciences major. A survey of microorganisms with emphasis on their roles in human health and disease including taxonomy, modes of transmission, pathogenesis, and chemotherapy. Laboratory topics focus on sampling, safe handling, microscopic examination, culturing, sensitivity testing, and methods for controlling microbial contamination. (Spring, Summer)

BIOL 3440

Comparative Anatomy (3-3). Prerequisite: BIOL 1403. Designed for Biology and Life Science majors, and Biology minors. A comparative study of the anatomy and phylogeny of the vertebrate organ systems. (Fall)

BIOL 3460

Genetics (3-3) Prerequisites: BIOL 1301, or BIOL 1402 or BIOL 1403, and 8 hours of Chemistry. Designed for Biology, Biomedical Science, Life Science majors, and Biology minors. A study of genes and their action. This course incorporates classical Mendelian, population, and molecular genetics. (Fall)

BIOL 4101

Biological Literature (1-0). Prerequisites: Completion of, or concurrent enrollment in, BIOL 4201 or BIMS 4201. An introduction to current research and literature in the biological sciences, with a focus on the skills required to read and write scientific literature. Topics will include the various levels and styles of scientific writing, ethical conduct in science communication, and the methods and skills required for preparing effective oral, poster, and paper presentations of a scientific nature. (Fall, Spring)

BIOL 4201

BIOL Capstone Experience (1-3). Prerequisites: Senior standing and completion of the major requirements for the biology degree, or approval of the dean. This course is required for the B.S. in Biology and B.S. in Life Science majors. Participation in a capstone experience in the biological sciences, which integrates knowledge from course work and culminates in observations, data, and analysis to be used for completing a writing assignment in BIOL 4101. Capstone experiences may consist of original research, internships, summer research experiences, science pedagogy research, or other appropriate activities. (Fall, Spring)

BIOL 4340

Biology Field Studies Prerequisites: 7 hours of BIOL and permission of instructor. Designed for Biology and Life Science majors, and Biology minors. A study of the flora, fauna, land-

forms, and ecology of selected sites primarily in the Southwest and Mexico. Classroom studies and an extended field trip offers opportunities to view plants and wildlife in natural settings. (As needed)

BIOL 4360

Evolution (3-0). Prerequisite: BIOL 3460. This course is designed to introduce and explore one of the fundamental principles in biology - evolution. Topics deal with the genesis of evolutionary thought, the processes by which natural populations evolve, and the methods that have been used to investigate evolutionary hypotheses. (Fall odd years)

BIOL 4430

Ecology (3-3) Prerequisites: BIOL 1301, 1402, 1403. Designed for Biology and Life Science majors, and Biology minors. Qualitative and quantitative studies of the interrelationships existing between plants and animals and their environments. Laboratory work involves field collections, data analyses, and studies of plants and animals in different ecosystems. Field trip required. (Spring)

BIOL 4450

Advanced Botany (3-3) Prerequisite: BIOL 1402. Designed for Biology and Life Science majors, and Biology minors. A study of major botanical fields with an emphasis on flowering plants. Topics included are plant systematics, phylogenetic methods, origin, diversification, and diversity of vascular plants, evolution, and economic botany. This course is taught as a combination lecture and laboratory course. (Spring odd years)

BIOL 4X88

Biology Internship Prerequisites: Senior standing, successful completion of the Junior Exam for the student's major, permission of the internship supervising instructor, and approval by the Chair of Biology. This course is required for graduation with the BS Biology, BS Biomedical Science, and BS Life Sciences in lieu of completing the capstone course (BIOL 4201 or BIMS 4201 or BIOL 4X97*). An on-the-job work experience under the supervision of professionals in private or public agencies appropriate to the student's discipline. (As Needed)*

BIOL 4X91

Advanced Topics in Botany (3-0/3). Prerequisite: BIOL 1402 or BIOL 1301. This course is designed to discuss and explore specialized topics in botany. Potential courses include Medical Botany, Plant Anatomy and Physiology, Paleobotany, Economic Botany, and other specialized courses. (As needed)

BIOL 4X92

Advanced Topics in Zoology (3-0/3). Prerequisite: BIOL 1403. This course is designed to discuss and explore specialized topics in zoology. Potential courses include entomology, invertebrate biology, mammalogy, ornithology, and other specialized courses. (As needed)

BIOL 4X95

Independent Studies. Prerequisite: Permission of instructor. Designed for majors. A study program or research arranged between an advanced student and an instructor to provide intensive study or investigation in a particular area of interest. The course includes a definition of goals appropriate for the student, ways of attaining those goals, a schedule of frequent consultation, and means of measuring progress. (As needed)

BIOL 4X96H

Biology Honors Tutorial. Prerequisite: Permission of instructor. Designed for Biology Honors participants. This course provides opportunities for investigations related to an upper-level biology course (with current enrollment) or as a separate independent study. This course may be repeated. (As needed)

BIOL 4X97H

Biology Honors Research. Prerequisite: Permission of instructor. Designed for Biology Honors participants. This course provides an opportunity to pursue a research topic under the direction of a biology faculty member, resulting in a final presentation to an appropriate audience. (as needed)

BIOL XX99

Special Topics. Prerequisite: Permission of instructor. Designed for majors. A course of study offered occasionally to groups of students to broaden department curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (As needed)

BUSINESS ADMINISTRATION**BUSI 1310**

Contemporary Business (3-0) Prerequisite: None. Survey of the functional areas of business with special emphasis on the role of business in society, business careers and techniques of analysis used in business. (Fall, Spring) (TCCN BUSI 1301)

BUSI 3310

Integrated Business Writing (3-0) Prerequisites: None. Practical and ethical business communication principles, including organization, clarity, and conciseness. Topics include: letters; memoranda; the exchange of technical information and ideas among professionals and co-workers; reports and presentations that emphasize accuracy, conciseness, and support of appropriate conclusions; methods of communicating the implications of critical business issues in recommendations and informed opinions, including, but not limited to, audit reports; and the impact of information technology on the above. Recommended for students taking certification exams. (Summer)

BUSI 3350

Entrepreneurship (3-0) Prerequisite: None. The planning and operation of a small business enterprise. It will include site location, financial aspects of starting a business, sources of information and aid for the entrepreneur, common management problems, and practical methods of controlling expenses and building volume. (Spring)

BUSI 3370

Business Statistics (3-0) Prerequisite: MATH 1311. Descriptive statistical measures, probability distributions, sampling, inference, chi-square and non-parametric methods, regression and correlation, and time series and analysis. (Spring, Fall)

BUSI 3371

Decision Sciences for Business (3-0) Prerequisite: BUSI 3370. Survey and analysis of major mathematics and statistical techniques useful in modern business. (Spring)

BUSI 4370

Business Law (3-0) Prerequisites: Junior or Senior standing or consent of the instructor. Historical development of law, court procedure, torts, contracts, ethics, business entities, Uniform Commercial Code and legal environment of business. This course is recommended for pre-law students. (Fall)

BUSI 4380

Commercial Law (3-0) Prerequisites: Junior or Senior standing or consent of the instructor. It is recommended that students have taken BUSI 4370, *Business Law*, prior to taking BUSI 4380. Business entities, commercial paper, Uniform Commercial Code, administrative law, property and agency. This course is recommended for students in the Accounting concentration and for pre-law students. (Spring)

BUSI 4385

Ethics in Business and Society (3-0) Prerequisites: Junior or Senior standing or consent of the instructor. To provide students

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with an opportunity to explore the issues of integrity, moral reasoning, independence and objectivity as they apply to legal and social issues that impact strategic decision making for institutions and organizations. (Fall, Spring)

BUSI 4390

Strategic Management: Strategy and Decision Making (3-0) Prerequisites: MGMT 3310, MKTG 3370, ACCT 2310, ECON 2320, FINC 3340, BUSI 3370, and senior standing, or consent of the instructor. This course integrates the functional areas of business from the management point of view. Emphasis on the role of management in formulation of strategy, long range planning and decision making. This is the capstone course for Business. Enrollment is limited with preference given to graduating seniors. (Fall, Spring)

BUSI 4X95

Independent Studies (variable credit) Prerequisites: Senior standing and consent of the Dean. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

BUSI XX99

Special Topics (variable credit) Prerequisite: Permission of instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

CHEMISTRY

CHEM 1400

Chemistry in Society (3-3) Prerequisites: None. Designed as a course for McMurry general education credit in Natural Science for students who do not major or minor in science or engineering. Students who have not had chemistry courses prior to enrollment in the University should take this course before taking any other chemistry course. A general introduction to concepts that are fundamental to chemistry, such as atomic structure, chemical bonding, acids and bases, oxidation and reduction, and nuclear chemistry. Topics studied may vary depending on the focus of the course (forensic chemistry, environmental chemistry, etc.) (Spring) (TCCN CHEM 1405)

CHEM 1405

Survey of General and Organic Chemistry (3-3) Prerequisites: Concurrent enrollment in or successful completion of MATH 1311 or higher. A full year of high school chemistry with laboratory or CHEM 1400 is strongly recommended. Designed for students whose intended career is in one of the allied health fields. This course, or CHEM 1410, is required for Nursing and Life Science majors. This course does not satisfy the requirements for other science majors or minors. Optional for general education requirement in Natural Science. A study of the fundamental principles of chemistry, including atomic structure, molecular bonding, chemical reactions and stoichiometry, states of matter, solution chemistry (including acids, bases, and buffers) and an introduction to the structure of organic compounds. Topics emphasize biological chemistry. (Fall) (TCCN CHEM 1406)

CHEM 1406

Survey of Organic and Biochemistry (3-3) Prerequisite: CHEM 1405. A continuation of CHEM 1405. This course, or CHEM 1420, is required for Nursing and Life Science majors. This course does not meet the requirements for other science majors or minors. A study of the structure and reac-

tivity of organic functional groups and the biochemistry of proteins, carbohydrates, lipids and nucleic acids. (Spring) (TCCN CHEM 1408)

CHEM 1410

General Chemistry I (3-3) Prerequisites: Concurrent enrollment in, or successful completion of, MATH 1311 or higher required. Previous study of chemistry in high school or CHEM 1400 and concurrent enrollment in a math course higher than MATH 1311 is strongly recommended. Designed for students whose major or minor is in a field of natural science, mathematics, pre-professional health fields, or pre-engineering. Optional for general education requirement in Natural Science. A study of fundamental concepts, such as atomic and molecular structure, chemical bonding, periodic properties, chemical reactions, and intermolecular forces. Emphasis is placed on mathematical relationships and problem solving. (Fall) (TCCN CHEM 1411)

CHEM 1420

General Chemistry II (3-3) Prerequisite: CHEM 1410. A continuation of CHEM 1410. Topics include, but are not limited to, thermodynamics, equilibria, chemical kinetics, and electrochemistry. (Spring) (TCCN CHEM 1412)

CHEM 2430

Quantitative Analysis (3-3) Prerequisite: CHEM 1420. Chemistry and Biochemistry majors are strongly encouraged to take CHEM 2430 concurrently with CHEM 3420. The course is an introduction to the quantitative analysis of various materials. Emphasis is placed on sample acquisition, error analysis, and the basic quantitative methods of titrimetry, gravimetry and visible spectroscopy. Laboratory work includes the analysis of materials encountered in everyday life. (Spring) (TCCN CHEM 2401)

CHEM 3350

Organic Structure Analysis (2-4) Prerequisite: CHEM 3420. An advanced study of techniques used in structure determination. Topics include infrared, nuclear magnetic resonance and ultraviolet spectroscopy, mass spectrometry, and optical rotation. Laboratory work explores methods of separation and purification of organic compounds, as well as multistep synthesis and the systematic analysis of isolated products. Selected methods of computational chemistry are also examined. (Spring odd years)

CHEM 3360

Physical Biochemistry (3-0) Prerequisites: CHEM 3441, MATH 2322, and PHYS 1420 or PHYS 2520. Recommended for students with an interest in the health sciences. This course investigates the mathematical and physical descriptions and governing laws of biological systems. Three general areas include thermodynamics, kinetics and quantum mechanics. Topics usually include biochemical and physical equilibria, molecular transport, enzyme kinetics, molecular structure and spectroscopy, and statistical thermodynamics. Mathematical rigor and biological applications are emphasized. (Spring odd years)

CHEM 3410

Organic Chemistry I (3-3) Prerequisite: CHEM 1420. This course is the first semester of a two semester sequence focused on the study of carbon compounds. It emphasizes the study of organic molecule structures and their properties, nomenclature, stereochemistry, isomerism, functional groups, organic chemical reactions and mechanisms in organic molecule synthesis. Selected experiments aid in the comprehension of the mechanism of organic reactions and of the IR and NMR spectra of organic molecules. (Fall)

CHEM 3420

Organic Chemistry II (3-3) Prerequisite: CHEM 3410. A continuation of CHEM 3410. Chemistry and Biochemistry majors

are strongly encouraged to take CHEM 3420 concurrently with CHEM 2430. This course is focused on the study of aliphatic and aromatic organic chemistry and emphasizes conjugated and aromatic compounds, aldehydes and ketones, carboxylic acids and their derivatives, amines, and macro-molecules, such as proteins, lipids, carbohydrates, and nucleic acids. Selected topics are incorporated into experiments in the laboratory to aid in understanding the mechanisms of organic reactions, followed by IR and NMR spectroscopic analysis of the desired product. (Spring)

CHEM 3431

Physical Chemistry I (3-3) Prerequisites: CHEM 2430, PHYS 1420 or 2520, MATH 2322, or permission of instructor and junior standing. The course is the first in a two semester sequence which explores the theoretical principles underlying chemical and physical transformations of matter. Emphasis is placed on the thermodynamics of chemical systems. The laboratory emphasizes the measurement of physical properties and chemical changes, record keeping, data analysis, and report writing. (Fall odd years)

CHEM 3432

Physical Chemistry II (3-3) Prerequisites: CHEM 3431, MATH 3351. The course is a continuation of CHEM 3431, with emphasis on chemical kinetics and quantum mechanics. (Spring even years)

CHEM 3440

Environmental Chemistry (3-3) Prerequisite: CHEM 1420. This course explores the chemistry of the Earth's atmospheric, hydrologic, and geologic systems. It includes a study of both naturally functioning environments and degraded environments. A variety of topics are investigated, including, but not limited to, atmospheric chemistry, photochemical smog, ozone depletion, greenhouse gases, aquatic chemistry, acid deposition, and hazardous or toxic materials. The laboratory component involves a class project in which a local natural area or urban setting is studied. Through the project, sampling methods are presented and a variety of air, water, or soil analyses are conducted. (Fall even years)

CHEM 3441

Biochemistry I (3-3) Prerequisite: CHEM 3420. Recommended for students with an interest in health sciences. This course is the first in a two semester sequence which explores the molecules and chemical reactions of biological systems. Topics include amino acids, protein structure and function, enzyme kinetics, thermodynamics of biochemical systems, buffers, carbohydrates, and biochemical laboratory techniques. The laboratory teaches techniques unique to biochemistry and that relate to the lecture material. (Fall)

CHEM 3442

Biochemistry II (3-3) Prerequisite: CHEM 3441. Recommended for students with an interest in health sciences. This course is the second in a two semester sequence which explores the molecules and chemical reactions of biological systems. Topics include metabolism, glycolysis and gluconeogenesis, the citric acid cycle, oxidative phosphorylation, fat metabolism, regulation of metabolism, amino acid chemistry, and immunology. The lab teaches techniques unique to biochemistry and that relate to the lecture material. (Spring)

CHEM 3480

Foundational Inorganic Chemistry (3-3) Prerequisite: CHEM 1420. This course is an introduction to the chemistry of inorganic compounds. The focus is on the application of the fundamental chemical concepts (such as atomic and molecular structure, chemical bonding, and reaction types) to transition metals and main group elements. Topics may include nuclear chemistry, electrochemistry, crystal field theory, solid state structures, descriptive chemistry of the elements, and bioinorganic

chemistry. The laboratory work emphasizes the synthesis of a variety of inorganic compounds and their characterization by modern experimental methods. (Fall even years)

CHEM 4101

Literature Seminar (1-0) Prerequisite: Junior or senior standing. This course is designed to develop written and oral communication skills. Students select a current topic in the field of chemistry, conduct a literature search, submit a paper written in scientific review format, and give an oral presentation to their peers. Work is carried out under the guidance of a faculty member. This is the capstone course for Chemistry and Biochemistry. (Spring)

CHEM 4440

Instrumental Methods of Analysis (3-3) Prerequisite: CHEM 2430. The course is a survey of the instruments and associated methods used in chemical analysis. The theory and application of chromatographic, spectroscopic, and electroanalytical methods are examined. Laboratory work provides an opportunity to gain familiarity in the use of several instruments. (Fall odd years)

CHEM 4X20

Introduction to Research (variable credit) Prerequisites: CHEM 1420 and consent of the instructor. A laboratory project is selected by the student in consultation with a faculty member who will direct the research. Students will submit a paper incorporating their research work, written in the format of published journal articles. The course may be repeated for credit to continue the same research project or to start a new one. (By arrangement)

CHEM 4X88

Internship (variable credit) Prerequisites: Junior or Senior standing, and permission of instructor. A pre-approved internship is an undergraduate educational program through which a student earns academic credit for new workplace experiences that support the educational goals of the student's academic discipline. Employers work with the Department of Chemistry and Biochemistry to offer level-appropriate jobs that provide a continuous progression of learning for the student. The syllabus for the course will include a definition of goals and methods for measuring student progress. Credit may be granted for up to 3 credit hours in one semester. (As needed)

CHEM 4X95

Independent Studies (variable credit) Prerequisite: Permission of instructor. A study program arranged between a student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, methods of attaining these goals, a schedule for frequent consultation, and a means of measuring progress. (By arrangement)

CHEM 4X96H

Honors Tutorial (variable credit) Prerequisite: Permission of instructor. Designed for Chemistry or Biochemistry Honors participants. This course provides opportunities for investigations related to an approved upper level course (with concurrent enrollment) or as a separate independent study. This course may be repeated. (As needed)

CHEM 4X97H

Honors Research (variable credit) Prerequisite: Permission of instructor. Designed for Chemistry and Biochemistry Honors participants. Students pursue a research topic under the direction of a departmental faculty member, resulting in a final paper and oral presentation to an appropriate audience. (As needed)

CHEM 4X99

Special Topics (variable credit) Prerequisite: Permission of instructor. A course of study offered occasionally to groups of students to broaden the departmental curriculum, to meet

Course Descriptions - Undergraduate

student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

COMPUTER INFORMATION SYSTEMS

COIS 1315

Computer Fluency (3-0) Prerequisites: None. Introduction to the use of computer hardware and software in today's world with a heavy emphasis on the use of computing resources to collect and organize data and produce meaningful reporting products. Topics will include an overview of hardware, software, and the Internet; the use of spreadsheets, databases, and graphing tools to solve problems from a variety of scientific and non-scientific disciplines; and an introduction to designing and building Web sites. This course will be taught in a computer lab. This course is designed for non-computer science majors and does not count toward the requirements for a Computer Science major/minor or a Computer Information Systems concentration in Business. (Fall, Spring) (TCCN BCIS 1305)

COIS 2350

Applications Programming: (3-0) Prerequisite: COSC 1325 This course introduces students to writing application programs for business and end users. Required for CIS program. Topics covered include an introduction to computer algorithms and problem solving, GUI design and implementation, and processing data in files. (Fall)

COIS 3311

Database Management Systems (3-0) Prerequisite: COIS 2350. This course is designed to give the student an introduction to database theory, especially the differences in database systems and how to use a relational data base. (Spring)

COIS 3320

Internet Programming (3-0) Prerequisite: COIS 2350. The course will cover learning to program applications for use on the internet. Students will be exposed to examples of current techniques including client side programming with advanced HTML and JavaScript and server side programming integrating scripting language/applications and databases. (Fall)

COIS 3380

Management Information Systems (3-0) Prerequisites: BUSI 1310, COIS 1315 or equivalent. This course provides a critical examination into how information systems are managed by organizations. Emphasis is on planning and decision making needs, systems development, and support for management levels. Topics include: management theory, systems options, software support, decision support systems and case studies in MIS tasking. (Fall, Spring)

COIS 4350

Systems Analysis and Design (3-0) Prerequisite: COIS 3311. This course presents object oriented techniques for analysis and design of new or improved information systems in the context of Systems Development Life Cycles. The course includes case studies and projects for automation in industry, including hardware and software selection and implementation considerations. (Fall)

COIS 4X88

Internship (variable credit) A pre-approved and supervised work experience designed to supplement academic training. Credit may be granted for one, two, or three semester hours. A student completing a dual concentration could be eligible for an internship in each concentration; however, a separate internship work experience would be required for each concentration. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

COIS 4X95

Independent Studies (variable credit) Prerequisite: Senior standing and consent of the Dean. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

COIS XX99

Special Topics (variable credit) Prerequisite: Permission of Instructor. A course study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

COMMUNICATIONS

COMM 1310

Principles of Communication (3-0) Prerequisite: None. An introductory study and application of the basic principles of communication. This course is an option for the general education requirements in the oral communication competency. Emphasis is placed on the acquisition of communication skills that can be applied in interpersonal, small group, and public speaking contexts. Specific concepts explored by this course include self concept and esteem, leadership, conflict management, diversity and intercultural communication issues, listening, nonverbal, communication anxieties, and ethical considerations as both the sender and receiver of messages. (Fall, Spring, Summer) (TCCN SPCH 1315)

COMM 2330

Business & Professional Communication (3-0) Prerequisite: None. This course provides an introduction to organizational communication. This course is an option for the general education requirement in the Oral Communication competency. It covers theories related to new employee acculturation, small group communication, and conflict management. The course develops skills in common communication practices necessary for organizational success including interviewing and resumes, business correspondence, report writing, and presentational speaking. (Fall, Spring) (TCCN SPCH 1321)

COMM 2350

Argumentation & Advocacy (3-0) Prerequisites: None. This course acquaints students with a variety of approaches to the study of argument by indicating the distinctions between "argument," "argumentation," "advocacy," "debate," and "persuasion." This course is an option for the General Education requirement in the Critical Reasoning Competency. It focuses both on theory and practice. Students will be exposed to the basic concepts and issues involved in the study of argument, as well as the methods for conducting and assessing argumentative practices. The course covers four broad topic areas: argumentative method, argumentative fallacies, the doctrine of presumption, and development of knowledge. (Fall)

COMPUTER SCIENCE

COSC 1305

Computers in Education (3-0) Prerequisites: None. Students in this project oriented course will explore contemporary information and communication tools to enhance both teaching and learning. Topics include creating multimedia, writing and publishing in on-line spaces, using collaborative tools, using office applications, and the construction of web-based instructional units. Students must have a wireless tablet or laptop. (Ad needed)

COSC 1322

Intro to Computer Science and Info Technology(3-0) Prerequisites: None. An introductory course for all students. Required course for COSC major and IT major and minor. Topics covered include the development of algorithms, implementation of algorithms, solving software problems, program design, and error handling. Various software design techniques are implemented in a programming language. Students must have a wireless tablet or laptop. (Fall)

COSC 1325

Programming Fundamentals (3-0) Prerequisites: None. Required course for both COSC and IT major and minor. Topics covered include computer algorithms and problem solving, computer hardware and software, and principles of computer algorithm construction. Various software design techniques are implemented in a programming language. Students must have a wireless tablet or laptop. (Fall, Spring) (TCCN COSC 1315)

COSC 1340

Advanced Programming Concepts (3-0) Prerequisite: COSC 1325. Required course for COSC major and minor. A second course in programming for COSC students. Topics covered include advanced file operations, expanded pointer techniques, recursive techniques, multi-unit programs, unit testing, basic algorithms for sorting and searching and basic data structures. Students must have a wireless tablet or laptop. (Spring)

COSC 2370

Assembly Language and Computer Organization (3-0) Prerequisite: COSC 1325. A required course in COSC major. Topics covered include an introduction to machine language and computer structure including data representation, conversion, hardware organization, addressing, macros, branching, I/O, subroutines and linkages. Students must have a wireless tablet or laptop. (Fall)

COSC 3315

Information and Communication Technologies (3-0) Prerequisite: Junior standing. Students in this course will use a number of contemporary tools for information management, collaboration, media production, publication, networking and communication. Focus will be on creating, managing, and marketing a digital identity. Course readings will present a number of perspectives on how ICT is changing education, business, politics, and society. This is a technology and writing intensive course. Students must have a wireless tablet or laptop. (Spring)

COSC 3330

Fundamentals of Networking (3-0) Prerequisites: COSC 1340, or COIS 2350. Required for COSC major, IT major and minor, and elective for COSC minor. Topics include methods of data transmission, hardware systems, error detection, network architecture and protocol definition. Application studies include satellite services, choosing voice data switches and LAN configuration. (Spring)

COSC 3360

Data Structures (3-0) Prerequisites: COSC 1340 or COIS 2350. A required course for COSC major and minor. Topics covered include data representation and associated algorithms, arrays, stacks, queues, linked list structures, trees, graphs, sorting, searching, merging of files. (Fall)

COSC 4310

Organization of Programming Languages (3-0) Prerequisite: COSC 3360. Required for COSC major and elective for COSC minors. The course covers the formal definition of programming languages including specification of syntax and semantics. Particular emphasis is placed on programming language design, evaluation, and implementation. (Spring)

COSC 4340

Operating Systems (3-0) Prerequisites: COSC 2370 and COSC 3360. Required course for COSC major and elective for COSC minor. Major concepts of operating systems principles and their relationship to computer architecture are the central points of this course. Topics include file services, CPU scheduling, memory management, device scheduling, deadlocks, concurrency, protection, and distributed systems. (Spring)

COSC 4360

Software Engineering (3-0) Prerequisite: COIS 4350. Required course for COSC and IT majors and elective for COSC minor. Continuation of COIS 4350 consisting of a team-based project to implement a software system designed in prerequisite course. This is the capstone course for Computer Science, and Info Technology. (Spring)

COSC 4388

Internship Computer Science (0-9) Prerequisite: Permission of instructor. Elective for COSC major. This course provides an opportunity for selected students to gain actual experience through on-the-job assignments in a computer facility located in the community. This is an experience-enriched course. (Fall, Spring as needed)

COSC 4X95

Independent Studies (Variable Credit) Prerequisites: Advanced standing in a COSC major or minor, and permission of instructor. Upper level elective for COSC major and minor. This is an advanced study or research program arranged between supervising faculty and student which defines goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and a means for measuring progress. (By arrangement)

COSC 4X96H

Honors Tutorial (variable credit) Prerequisite: Permission of instructor. Designed for Computer Science Honors participants. This course provides opportunities for investigations related to an approved upper level course (with concurrent enrollment) or as a separate independent study. This course may be repeated. (By arrangement)

COSC 4X97H

Honors Research (variable credit) Prerequisite: Permission of instructor. Designed for Computer Science Honors participants. Students pursue a research topic under the direction of a departmental faculty member, resulting in a final paper and oral presentation to an appropriate audience. (By arrangement)

COSC XX99

Special Topics (level and credit are variable) Prerequisite: Permission of instructor. Elective for COSC major and minor. Courses of this nature are infrequent or unique topics of study offered occasionally to groups of students to broaden the departmental curriculum, to meet student demand, or to observe special events. Courses of this type may be repeated for credit when topics vary. Students may be required to have a wireless tablet or laptop. (By arrangement)

CURRICULUM & INSTRUCTION**CURR 2110**

Introduction to Education (1-0) Prerequisites: ENGL 1310, 1320, COMM 1310, MATH 1311 or higher, and 12 hours in the content field. This course provides an orientation to education as a profession, the challenge of teaching, the Texas Code of Ethics and State requirements for teacher certification. In-school observation is required. This course is required for admission to the Teacher Education Program. (Fall, Spring, May)

Course Descriptions - Undergraduate

CURR 3301

Theories of Learning (3-0) Prerequisites: Admission to the Teacher Education Program and junior standing. Emphasis will be placed on the behavioral and cognitive theories of human learning and their implications for the classroom. Other topics include self concept, learning styles, motivation, and the influence of culture on learning. (Fall, Spring, Summer) (Required for teacher certification)

CURR 3302

The Inclusive Classroom (3-0) Prerequisites: Admission to the Teacher Education Program and junior standing. This course will prepare students to function in public schools that serve our diverse student populations. Students will examine rights and responsibilities of teachers, students, and administrators, cultural diversity, and methods of teaching special populations. (Fall, Spring, Summer) (Required for teacher certification)

CURR 3310

Instructional Media

Optional course for majors or minors. This course surveys the use of instructional media and communication devices in educational settings. Emphasis will be on communication devices used to facilitate learning and technology applications in regards to software, graphics, multimedia, audio, video, blogs, and discussion boards. The course will require the creation of a variety of creative and educational materials with an emphasis on group and individual projects that can be used in the classroom settings.

CURR 4160

Classroom Observations and Reflections Prerequisites: Admission to Teacher Ed Program and FasTrack program. Available only to post-baccalaureate students. This course involves the student in observation and reflection of actual teaching episodes, utilizing the Texas Beginning Educators Support System (TxBESS). (May)

CURR 4198

Student Teaching Seminar (Clinical Teaching) (1-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. This course includes the development, implementation, analysis, and evaluation of a Teacher Work Sample. Certification issues and challenges related to the student teaching experience will be addressed. Assignments will be submitted online. (Fall, Spring)

CURR 4305

Student Teaching in the ESL or BIED Classroom (Clinical Teaching) (3-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR 4198. Involves a six-week assignment in an ESL or bilingual classroom with joint supervision by public school and university personnel. (Fall, Spring)

CURR 4308

Student Teaching EC-6 (Clinical Teaching) (3-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR 4198. Involves a six-week assignment in an elementary school classroom with joint supervision by the public school and university personnel. (Fall, Spring)

CURR 4309

Student Teaching Grades 8-12 (Clinical Teaching) (3-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR 4198. (This is one half of the student teaching requirement for those seeking all-level certification in art, music or physical education). Involves a six-week assignment in a secondary school with joint supervision by the public school and university personnel. (Fall, Spring)

CURR 4310

Student Teaching Grades 4-8 (Clinical Teaching) (3-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR4198. (This is one half of the student teaching requirement for those seeking all-level certification in art, music or physical education.) Involves a six-week assignment in a public school in grades 4-8 with joint supervision by the public school and university personnel. this course is pass/fail. (Fall, Spring)

CURR 4388

Teaching Internship (3-0) Prerequisites: Post baccalaureate status or approval of Curriculum and Instruction Department, and fulfillment of all requirements for internships. Participant will be employed as teacher-of-record in an accredited Texas school district. The student will be supervised jointly by school district and university personnel. Two consecutive semesters of enrollment are required to meet Texas teacher certification criteria. (Fall, Spring)

CURR 4601

Student Teaching for Grades EC-Grade 6 (Clinical Teaching) (4-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR 4198. Involves a full-day assignment in a school with joint supervision by public school and university personnel. (Fall, Spring)

CURR 4602

Student Teaching for Grades 8-12 (Clinical Teaching) (4-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR4198. Involves a full-day assignment in a school with joint supervision by public school and university personnel. (Fall, Spring)

CURR 4603

Student Teaching for Grades 4-8 (Clinical Teaching) (4-0) Prerequisites: Senior or post-baccalaureate status and admission to student teaching. Co-requisite: Concurrent enrollment in CURR 4198. Involves a full day assignment in a school with joint supervision by public school and university personnel. (Fall, Spring)

CURR 4320

Methods and Management in the Elementary School (3-0) Prerequisites: CURR 3301, CURR 3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment in CURR 4321 and CURR 4121. To be taken the semester before student teaching or internship. This course will focus on planning for classroom organization in elementary grades, models of classroom management and discipline, methods for ensuring effective communications with parents and other school personnel, and strategies for ongoing professional development. (Fall, Spring) (Required for EC-6 Certification)

CURR 4321

Planning, Curriculum, and Assessment in the Elementary School (3-0) Prerequisites: CURR 3301, CURR 3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment in CURR4324 and 4125. To be taken the semester before student teaching or internship. Development of planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in grades EC-6; development of an understanding of curricula and their organization in EC-6 grades; an introduction to methods of teaching; and development of skills to create and evaluate tests. (Fall, Spring) (Required for EC-6 certification)

CURR 4121

Professional Development Internship EC-6 (3-0) Prerequisites: CURR 3301, CURR 3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. CO-requisite: Concurrent enrollment in CURR 4320 and CURR 4321. This is a field-based course that is required by the Texas Education Agency and requires 45 hours of teaching experience in a public school assignment. (Fall, Spring) (Required for EC-6 certification)

CURR 4322

Methods and Management in the Middle School (3-0) Prerequisites: CURR 3301, CURR 3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Corequisites: Concurrent enrollment in CURR 4323 and 4123. To be taken the semester before student teaching or internship. Further development of and practice with methods of instruction, development of higher order thinking skills for students, planning for classroom organization, and models of classroom management and discipline for middle school grades will be presented. (Fall, Spring) (Required for 4-8 certification)

CURR 4323

Planning, Curriculum and Assessment in Middle School (3-0) Prerequisites: CURR3301, CURR3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Corequisites: Concurrent enrollment in CURR4322 and 4123. To be taken the semester before student teaching or internship. Development of planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in grades 4-8; development of an understanding of the curricula and their organization in middle school grades; an introduction to methods of teaching; and the development of skills to create and evaluate assessments. (Fall, Spring) (Required for 4-8 certification)

CURR 4123

Professional Development Internship 4-8 (1-0) Prerequisites: CURR 3301, CURR 3302, senior or post baccalaureate status, and student must be in good standing in the Teacher Education Program. Co-requisites: Concurrent enrollment in CURR 4322 and CURR 4323. This is a field-based course that is required by the Texas Education Agency and requires 45 hours of teaching experiences in a public school assignment. (Fall, Spring). (Required for 4-8 certification)

CURR 4324

Methods and Management in the Secondary School (3-0) Prerequisites: CURR3301, CURR3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Co-requisites: Concurrent enrollment in CURR 4325 and 4125. To be taken the semester before student teaching or internship. Further development of and practice with methods of instruction, development of higher order thinking skills for students, planning for class room organization, and models of classroom management and discipline for secondary grades will be presented. (Fall, Spring) (Required for 8-12 certification)

CURR 4325

Planning, Curriculum, and Assessment in the Secondary School (3-0) Prerequisites: CURR3301, CURR3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Co-requisites: Concurrent enrollment in CURR 4324 and CURR 4125. To be taken the semester before student teaching internship. Development of planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in grades 8-12; development of an understanding of curricula and their organization in secondary grades; an introduction to methods of teaching; and development of skills to create and evaluate tests. (Fall, Spring) (Required for 8-12 certification)

CURR 4125

Professional Development Internship 8-12 (1-0) Prerequisites: CURR 3301, CURR 3302, senior or post-baccalaureate status, and student must be in good standing in the Teacher Education Program. Co-requisites: Concurrent enrollment in CURR 4324 and CURR 4325. This is a field-based course that is required by the Texas Education Agency and requires 45 hours of teaching experience in a public school assignment. (Fall, Spring) (Required for 8-12 certification)

CURR 4350

Methods and Management in the Elementary School (3-0) Available only to post-baccalaureate students. Prerequisites: CURR 3301, CURR 3302, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment in CURR 4351. To be taken the semester before student teaching or internship. This course will focus on planning for classroom organization in the elementary school, models of classroom management and discipline, methods for ensuring effective communications with parents and other school personnel, and strategies for ongoing professional development. offered in an on-line and face to face format. (Summer) (Required for EC-6 Certification)

CURR 4351

Planning, Curriculum, and Assessment in Elementary Schools (3-0) Available only to post baccalaureate students, Prerequisites: CURR 3301, CURR 3302, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment in CURR 4350. To be taken the semester before student teaching or internship. This course will emphasize development of planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in elementary schools; elementary curricula and their organization; methods of teaching ; planning lessons that stress higher order thinking skills for elementary students; and the creation and evaluation of assessment instruments. Offered in an on-line and face to face format. (Summer) (Required for EC-6 certification)

CURR 4352

Methods and Management in the Middle School (3-0) Available only to post baccalaureate students. Prerequisites: CURR 3301, CURR 3302, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment in CURR4353. To be taken the semester before student teaching or internship. Further development of and practice with methods of instruction, development of higher order thinking skills for students, planning for classroom organization, and models of classroom management and discipline for middle school grades will be presented. (Summer) (Required for 4-8 certification)

CURR 4353

Planning, Curriculum and Assessment in Middle School (3-0) Available only to post baccalaureate students. Prerequisites: CURR 3301, CURR 3302, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment CURR 4352. To be taken before student teaching. Development of planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in middle school grades; development of an understanding of the curricula and their organization in middle school grades; an introduction to methods of teaching; and the development of skills to create and evaluate assessments. (Summer) (Required for 4-8 certification)

CURR 4354

Methods and Management in the Secondary School (3-0) Available only to post baccalaureate students. Prerequisites: CURR 3301, CURR 3302, and student must be in good stand-

ing in the Teacher Education Program. Corequisite: Concurrent enrollment in CURR 4355. To be taken the semester before student teaching or internship. Further development of and practice with methods of instruction, development of higher order thinking skills for students, planning for classroom organization, and models of classroom management and discipline for secondary grades will be presented.

(Summer) (Required for 8-12 certification)

CURR 4355

Planning, Curriculum, and Assessment in Secondary Schools (3-0) Available only to post baccalaureate students. Prerequisites: CURR 3301, CURR 3302, and student must be in good standing in the Teacher Education Program. Co-requisite: Concurrent enrollment in CURR 4354. To be taken the semester before student teaching or internship. Development for planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in secondary grades; development of an understanding of the curricula and their organization in secondary grades; an introduction to methods of teaching; and the development of skills to create and evaluate assessments. (Summer) (Required for 8-12 certification)

CURR 4X95

Independent Studies (variable credit) Prerequisite: Permission of instructor. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

CURR 4X96H

Honors Tutorial (either 3 or 4 hours credit) Prerequisites: See requirements for honors for ECED majors. This course provides the honors student in Early Childhood Education with an opportunity for in-depth study of an education-related topic of interest. A proposal, outline of the study, and a reference list of major sources of information will be the work product. (By arrangement)

CURR 4X97H

Honors Thesis (either 3 or 4 hours credit) Prerequisites: See requirements for honors for ECED majors. This course provides the honors student in Early Childhood Education with an opportunity to complete the study initiated in CURR 4X96 with production of a thesis and presentation. (By arrangement)

CURR XX99

Special Topics (variable credit) Prerequisite: Permission of instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

EARLY CHILDHOOD EDUCATION

ECED 3300

Theory and Practice in Early Childhood Education (ages 3 to 8) (3-0) A comprehensive study of the conceptual framework that reflects the purposes, objectives and practices in the preparation of early childhood professionals. The course will integrate theory and practice and will prepare the student for experiences in early childhood programs which serve diverse student populations and their families. Field experiences in a TEA accredited kindergarten or early childhood classroom are required. (Fall, Spring, Summer)

ECED 3330

Teaching Elementary Math I EC-6 (3-0) Prerequisites: A grade of "C" or better in MATH 1311 or higher and READ 3300. This course is also cross-listed as MATH 3330. This course introduces the prospective teacher to concepts and developmentally

appropriate instructional strategies for math taught at the EC through Grade 6 levels. Students will develop an understanding of fundamental elementary math concepts such as problem solving, the development of early number concepts and number sense, mastery of math facts, operations, fractions and decimals, and proportional reasoning through active and investigative projects and activities.

(Fall, Spring) (Required for Math EC-6 certification, and Math grades 4-8 certification)

ECED 3331

Teaching Elementary Math II EC-6 (3-0) Prerequisites: MATH/ECED 3330, and junior standing. This course is also cross-listed as MATH 3331. This course will introduce the prospective teacher to concepts and developmentally appropriate instructional strategies for math taught at the EC through Grade 6 levels. Students will develop understanding of fundamental elementary math concepts such as geometry and measurement, algebraic thinking, statistics and probability through active and investigative projects and activities. During long semesters students will tutor 5th grade students in math. (Fall, Spring) (Required for EC-6 certification)

ECED 3360

Teaching Social Studies EC- 6 (3-0) Prerequisites: Completion of general education requirements in Global Perspectives. Study of appropriate TEKS for social studies, review and development of concepts appropriate to the TEKS, an understanding of the purpose and function of social studies in the curriculum, development of appropriate lessons and units, and demonstration of skills for using technology in the classroom. (Spring, Summer) (Required for EC-6 Certification)

ECED 3361

Teaching Social Studies 4-8 (3-0) Prerequisites: Junior standing, completion of general education requirements in history and political science and a declared major with a middle school social studies teaching field. Study of appropriate TEKS for social studies, review and development of concepts appropriate to the TEKS, an understanding of the purpose and function of social studies in the curriculum, development of appropriate lessons and units, and demonstration of skills for using technology in the classroom. (Spring, Summer)

ECED 3365

Special Learners (3-0) Prerequisite: Junior standing. This course provides prospective teachers with practical, inclusive techniques for teaching EC-6 students with special learning needs. The course will emphasize current methods for identification of students who are exceptional learners and effective teaching strategies for use with those students, both learning disabled and gifted and talented/advanced learners. (Fall, Summer)

ECED3370

Assisting and Advancing Special Learners (3-0) Prerequisites: ECED 3365 and junior standing. This course provides prospective teachers with practical techniques for working with EC-12 students with special learning needs. The course will emphasize current methods for assistive technology, movement, behavior, and transition out of the public school setting. Concentration will focus on students with learning disabilities.

ECED 4330

Language Acquisition and Development (3-0) Prerequisites: READ 3300, 3334. Those students pursuing Early Childhood education with an ESL endorsement must take READ 3310 and READ 3334 prior to enrolling in this course. An introduction to the theories of language acquisition and the stages of language development. (Fall, Spring, and Summer in odd numbered years) (Required for grades EC-6 certification and for ESL and Bilingual Supplemental endorsement)

Course Descriptions - Undergraduate

ECED 4370

Teaching Science EC-6 (3-0) Prerequisites: Senior standing, and one lab science course. A course specifically designed to acquaint the prospective teacher with the methods used and the material covered in teaching physical, life, earth and space science in EC-Grade 6. This course calls for advanced skills in instructional planning and should not be taken early in the major. A hands-on, inquiry-based approach is stressed; students will have opportunities to design and teach science lessons to other members of class. (Fall, Spring) (Required for EC-6 certification)

ECED 4371

Teaching Science 4-8 (3-0) Prerequisites: Senior standing, one lab science course, and a declared major with a middle school science teaching field. A course specifically designed to acquaint the prospective teacher with the methods used and the material covered in teaching physical, life, earth and space science in fourth through sixth grade. This course calls for advanced skills in instructional planning and should not be taken early in the major. A hands-on, inquiry based approach is stressed; students will have opportunities to design and teach science lessons to other members of class. (Fall, Spring)

ECED XX99

Special Topics ECED (3-0) Prerequisite: Permission of Instructor. A study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary.

ECONOMICS

ECON 2310

Principles Of Macroeconomics (3-0) Prerequisites: None. Designed to partially fulfill the Business Core Course Requirement for the BBA, and optional for the General Education Requirement for Personal and Global Perspectives. Economic principles that focus on the level and distribution of national income, full employment and price stability, money and banking, monetary and fiscal policy, and economic growth. Various macroeconomic models are analyzed. (Fall, Spring) (TCCN ECON 2301)

ECON 2320

Principles Of Microeconomics (3-0) Prerequisites: None. Designed to partially fulfill the Business Core Course Requirement for the BBA, and optional for the General Education Requirement for Personal and Global Perspectives. Economic principles that focus on households, business firms, industries and international trades. Includes demand, supply, costs of production, and the market structures of pure competition, oligopoly, monopolistic competition and monopoly. (Fall, Spring) (TCCN ECON 2302)

ENGLISH

ENGL 0110

Writing Mechanics (1-0) This course covers the basic principles of grammatical structure and punctuation. Recommended for those needing or desiring more training in English grammar and usage. Laboratory time may be required. (Fall, Spring)

ENGL 0310

Introduction To Composition (3-0) The study of, and extensive practice in, process writing with emphasis on the basic elements of an effective essay, including work on mechanical skills. Recommended for those needing or desiring more training before taking ENGL 1310. Laboratory time is required. (Fall, and Spring as needed)

ENGL 1310

Composition and Rhetoric (3-0) Prerequisites: DEVS 0310 or placement demonstrated by ACT or SAT scores, high school transcript, CLEP, or departmental exam. Required for all degree programs, this course provides an intensive study and practice of the fundamental principles of exposition leading to the habit of effective writing. Classes, limited in size, are workshops with individual instruction. (Fall, Spring, Summer as needed) (TCCN ENGL 1301)

ENGL 1320

Composition and Literature (3-0) Prerequisite: ENGL 1310. Required for all degree programs, this course acquaints students with the written analysis of literary works including representative examples of poetry, drama, and prose fiction. (Fall, Spring, Summer as needed) (TCCN ENGL 1302)

ENGL 2300

Advanced Composition Prerequisites: ENGL 1310, 1320. A workshop-style course in essay-writing for the student who desires instruction and practice beyond the freshman (or high school dual-credit) level. Students will write approximately four medium-length essays of various types and, based on instructor feedback, complete substantial revisions of each. At least one essay will include research and the incorporation of secondary sources. Class enrollment will be kept at a minimum, and the instructor will devote considerable attention to each student and his or her writing. The course will also include a thorough review of punctuation, grammar, and style. The course is open to students of all majors and disciplines. (Spring)

ENGL 2310

Masterpieces of British Literature (3-0) Prerequisite: ENGL 1320. This course surveys significant works of British literature from the Anglo-Saxon period to the present. Individual instructors may vary the choice and treatment of texts to explore developments of theme (i.e., the hero, journey, monsters) or genre. (Fall, Spring, Summer as needed) (TCCN ENGL 2321, 2322, 2323)

ENGL 2320

Masterpieces of American Literature (3-0) Prerequisite: ENGL 1320. This course surveys significant works of American literature from pre-colonial times to the present. Individual instructors may vary the choice and treatment of texts to explore developments of theme (i.e., the hero, journey) or genre. (Fall, Spring, Summer as needed) (TCCN ENGL 2326, 2327, 2328)

ENGL 2330

Masterpieces of World Literature (3-0) Prerequisite: ENGL 1320. This course surveys great works of literature from around the world. Individual instructors may vary the choice and treatment of texts to explore developments of theme (i.e., the hero, journey, monsters) or genre (i.e., tragedy, epic, romance). (Fall, Spring, Summer as needed) (TCCN ENGL 2331, 2332, 2333)

ENGL 2350

Topics in Literary Study (3-0) Prerequisite: ENGL 1320. This course examines literature through the lens of a particular topic (i.e., women, sports, law), region (i.e., the Southwest, Southern Gothic, colonialism), or genre (i.e., the lyric, tragedy, comedy). (Fall, Spring, Summer as needed)

ENGL 3310

Medieval English Literature (3-0) Prerequisite: One sophomore-level English course. Provides a study of the prose and poetry of English literature from earliest Anglo-Saxon times to 1500. (Spring 2013)

Course Descriptions - Undergraduate

ENGL 3313

World Literature (3-0) Prerequisite: At least one sophomore-level English course. The course is a comparative study of representative literary masterpieces of major world literatures. Topics will vary. (Spring 2014)

ENGL 3315

Children's Literature I (3-0) Prerequisite: At least one sophomore-level English course. Survey of seven genres of children's literature from ancient to present times, with emphasis on award-winning selections. Special emphasis on use of children's books in elementary grades. (Fall, Summer)

ENGL 3316

Children's Literature II (3-0) Prerequisite: At least one sophomore-level English course. A survey of books suitable for readers in the upper elementary school. It will include a survey of Newberry Award Winning authors and texts. All seven genres of literature will be studied. (Required for Grades 4-8 certification and English Language Arts and Reading 8-12 certification). (Spring, Summer)

ENGL 3320

English Renaissance (3-0) Prerequisite: At least one sophomore-level English course. Topics include Shakespeare, Milton, and other major Sixteenth- and Seventeenth-Century prose stylists, dramatists, and poets. (Summer as needed)

ENGL 3330

Restoration and 18th Century English Literature (3-0) Prerequisite: At least one sophomore-level English course. This course surveys major literary trends from the Restoration to the Pre-Romantic Movement with reading in essays (including journalism), political-religious satires, philosophical and lyric poems, drama, and the novel. (Spring 2014)

ENGL 3341

English Romanticism (3-0) Prerequisite: At least one sophomore-level English course. This course examines poetry and prose of English Romanticism (1790-1830) in light of dominant philosophical, social, political, and literary trends of the period. (Spring 2013)

ENGL 3342

The Victorian Period (3-0) Prerequisite: At least one sophomore-level English course. Topics include major English poets and prose writers, 1830-1900, with emphasis on distinctive approaches to common artistic, intellectual, and social problems. (Fall 2014)

ENGL 3371

Seventeenth- and Eighteenth- Century American Literature (3-0) Prerequisite: At least one sophomore-level English course. The student examines Colonial writings from a critical and historical perspective, with an emphasis on important developments in religious, political, and social thought. (Fall 2013)

ENGL 3372

Studies in Nineteenth-Century American Literature (3-0) Prerequisite: At least one sophomore-level English course. Students examine the texts and contexts of selected major American nineteenth-century writers. (Fall 2014)

ENGL 3373

Studies in Modern Literature (3-0) Prerequisite: At least one sophomore-level English course. Topics include an examination of one or more major authors, styles, genres, decades, or movements important to an understanding of modern literary culture. May be repeated when both instructor and texts vary. (Spring)

ENGL 3374

Studies in Contemporary Literature (3-0) Prerequisite: At least one sophomore-level English course. Course may examine a phase, school, or collection of writers whose works reflect the state of letters since the end of World War II. (Fall even years)

ENGL 3380

Film and Literary Classics (3-0) Prerequisite: At least one sophomore-level English course. Students will be introduced to the comparative study of the fundamental, pervasive, and significant transformations and connections between film and literature. Possible offerings might range from "Film and Shakespeare" to "Film and the Novel." Analytical papers will be required. (Summer as needed)

ENGL 3383

Theories of Composition (3-0) Prerequisite: At least one sophomore-level English course. Education majors with English teaching fields should take this course, if at all possible, in the fall semester of their junior year. This course provides an examination of classical and contemporary theories of composition and their application to understanding the various modes of academic and expressive writing. (Fall)

ENGL 3384

Grammatical Structure (3-0) Prerequisite: At least one sophomore level English course or permission of instructor. Topics include an introduction to the current theory and practice of grammars of English. (Fall odd years)

ENGL 3385

Professional and Technical Writing (3-0) Prerequisite: At least one sophomore-level English course or permission of instructor. Students will learn the use of rhetorical strategies, common formats, and research procedures appropriate to the professions, including business, the sciences, and law. (Fall odd years)

ENGL 4309

Holocaust through the Eyes of Elie Wiesel (3-0) Prerequisite: ENGL 1310, 1320. This course examines the Holocaust through the writings of Elie Wiesel, a renowned Holocaust survivor. Readings by Weisel are augmented with film and documentary presentations. Implications and events of the Holocaust are examined through religious, literary, and historical perspectives. Cross-listed with REL 4309. (May)

ENGL 4320

Shakespeare (3-0) Prerequisite: At least one junior-level English course or permission of instructor. This course will require critical readings of Shakespeare's greatest poetry and dramas (histories, comedies, tragedies). (Fall semesters)

ENGL 4340

Studies in a Major Author (3-0) Prerequisite: At least one junior-level English course or permission of instructor. Topics will vary and may include British, American, or world literary figures who have had an impact on English-language literature. May be repeated for credit as author varies. (Spring even years)

ENGL 4360

Literary Theory (3-0) Prerequisite: At least one junior-level English course or permission of instructor. Surveys the development of major critical theories concerning literature. (Spring)

ENGL 4371

Poetry Workshop (3-0) Prerequisite: At least one sophomore-level English course or permission of instructor. This workshop-style seminar will provide students with practice writing fiction and poetry and critiquing poems written by members of the class. (Fall odd years)

ENGL 4372

Fiction Workshop (3-0) Prerequisite: At least one sophomore-level English course or permission of instructor. This workshop-style seminar will provide students with practice writing fiction and critiquing stories written by members of the class. (Spring odd years)

ENGL 4374

Writing for Newspapers and Magazines (3-0) Prerequisite: At least one sophomore-level English course or permission of instructor. Topics include a study of the basic news writing techniques; a brief survey of the history of journalistic media; an investigation of the theories of journalism; and an examination of contemporary techniques and problems in journalistic writing. (Fall even years)

ENGL 4375

Writing for Television and Radio (3-0) Prerequisite: At least one sophomore-level English course or permission of instructor. This course will introduce techniques of interviewing and fundamentals of researching and organizing features for radio and television. (Spring even years)

ENGL 4379

Elementary Language Arts Concepts 4-8 (3-0) Prerequisite: Senior standing and successful completion of the General Education requirements in English and Reading. The student will study the scope and sequence of the TEKS (Texas Essential Knowledge and Skills Standards) for language arts instruction and the concepts necessary to teach them. Individual skills will be refined and consideration will be given to classroom applications. (Fall)

ENGL 4X95

Independent Studies (variable credit) Prerequisites: At least two upper-division English courses or permission of instructor. This is a study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of assuring progress. (By arrangement)

ENGL 4X96H

Honors Tutorial (variable credit) Prerequisite: 15 hours of English credit and admission to the Honors Program. Open to student candidates for honors graduation in English, this course includes reading and research in a particular topic of literature, linguistics, or language. (By arrangement)

ENGL 4X97H

Senior Thesis (variable credit) Prerequisite: Senior standing, admission to the Honors Program, and permission of instructor. Open to student candidates for honors graduation in English, this course focuses on independent research on a topic approved by the faculty of the department, with a final product of a 75-150 page essay submitted for the approval of the department. (Honors graduates must successfully complete either Senior Thesis or Senior Opus) (By arrangement)

ENGL 4X98

Senior Opus (variable credit) Prerequisite: Senior standing, admission to the Honors Program, and permission of instructor. Open to student candidates for honors graduation in English, this course focuses on a creative writing project, either prose, drama, or poetry, with a final product of a 75-150 page essay submitted for the approval of the department. (Honors graduates must successfully complete either Senior Thesis or Senior Opus) (By arrangement)

ENGL XX99

Special Topics (variable credit) Prerequisite: Permission of instructor. Courses of this nature are offered occasionally to

groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

FINANCE**FINC 3330**

Personal Finance (3-0) Prerequisite: None. Study of personal finance principles and concepts with major emphasis on financial planning, budgeting, cash management, credit management, taxes, major expenditures, income and asset protection, and investment planning. (May not be used to meet degree requirements in the finance concentration.) (Spring)

FINC 3340

Business Finance (3-0) Prerequisites: ACCT 2310, ECON 2310, 2320 and B A 3370, or permission of instructor. Acquisition and use of funds by business firms with emphasis on techniques of analysis for decision making. (Fall, Spring)

FINC 3350

Money And Banking (3-0) Prerequisite: FINC 3340. Functions and policies of the American monetary and banking system in the United States; Federal Reserve Bank; bank credit policy; monetary theories and policies. (Spring)

FINC 3370

Investments (3-0) Prerequisites: B A 3370 and FINC 3340. Introductory course concerned with theory and practice of U.S. securities markets; characteristics and valuation of stocks, bonds, options and various other investments. (Spring)

FINC 4320

Advanced Seminar In Finance (3-0) Prerequisite: FINC 3340. A continuation of Business Finance that employs the tools, techniques, concepts and theories mastered in previous courses. Cases will be analyzed by the student who will determine the best method of finding and allocating capital for the firm. (Fall)

FINC 4340

International Financial Markets (3-0) Prerequisite: FINC 3340. This course will stress the fact that we live in an increasingly integrated world market, and will encourage the student to be familiar with the international dimension of business, both its substance and its subtleties. It will provide the student with a working knowledge of Eurodollars, Eurobonds, and interest rate swaps and their use. The course will include international hedging tactics and derivative securities. (Fall)

FINC 4345

Student Managed Investment Fund I (3-0) Prerequisites: FINC 3340 and 3370, or permission of instructor. This hands-on investment course teaches security analysis and money management through the use of a university endowed fund. Study of economic and financial analysis focused on investing in long term equities, with discussion covering topics ranging from investment philosophy and ethics, to capital market history. (Fall)

FINC 4346

Student Managed Investment Fund II (3-0) Prerequisites: FINC 4345, or permission of instructor. A continuation of FINC 4345; This hands-on investment course teaches security analysis and money management through the use of a university endowed fund. Study of economic and financial analysis focused on investing in long term equities, with discussion covering topics ranging from investment philosophy and ethics, to capital market history. (Spring)

FINC 4X88

Internship (variable credit) A pre-approved and supervised work experience designed to supplement academic training. Credit may be granted for one, two, or three semester hours.

Course Descriptions - Undergraduate

A student completing a dual concentration could be eligible for an internship in each concentration; however, a separate internship work experience would be required for each concentration. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

FINC 4X95

Independent Studies (variable credit) Prerequisites: Senior standing and consent of the Dean. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

FINC XX99

Special Topics (variable credit) Prerequisite: Permission of Instructor. A course study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

FINE ARTS

FNAR 2310

Survey of Fine Arts (3-0) Prerequisites: None. This course is aimed at all students interested in gaining a broad understanding of the fine arts disciplines and satisfies the fine arts component in the General Education requirements. A survey of the inter-relationship of fine arts disciplines (painting, sculpture, music, theatre, architecture, film, and photography) and their relationship to political and social change through the course of history. The course will provide a rudimentary knowledge of the fine arts disciplines, with specific emphasis on recognized artistic movements in their historical contexts. (Fall, Spring as needed)

GEOSCIENCES

GEOS 1405

Environmental Geology (3-3) Prerequisites: None. Optional course for general education requirements in Natural Science. A study of earth resources including soils, mineral deposits, energy resources and water. It includes water pollution problems and the closely related problems of waste disposal. Hazards of flooding are also covered. Several local field trips are taken. (Fall, Spring) (TCCN GEOL 1405)

GEOS 1410

Physical Geology (3-3) Prerequisites: None. Optional course for general education requirements in Natural Science. A study of minerals and rocks in the earth's crust and how they form. It also includes a study of various geologic processes like plate tectonics, volcanic eruptions, earthquakes and landslides. (Fall) (TCCN GEOL 1403)

GEOS 2420

Meteorology (3-3) Prerequisite: MATH 1311 (or equivalent) or higher. This can be a first course for anyone interested in the earth sciences. Optional course for general education requirement in Natural Science. Introduction to basic meteorology. Students learn how the atmosphere is affected by various factors such as solar influences, pressures and winds. They explore the development of upper-level weather systems and learn short-term forecast techniques. Included in the lab activities is a visit to a local TV station and computer assignments on the internet. (Spring, on demand) (TCCN GEOL 1447)

GEOS 3210

Geology of Texas (2-0) Prerequisite: GEOS 1410. A study of the rocks, fossils, and geologic structures in Texas and what they tell us about the geologic history of this region. At least two

all-day field trips are planned. This is an experience-enriched course.

GEOS 3220

Applied Environmental Geology (1-3) Prerequisite: GEOS 1410. A study of environmental problems especially those dealing with water resources, water pollution and soils. Several short field-trips will be taken. This is an experience-enriched course.

GREEK

GREK 2410, 2420

New Testament Greek Grammar I and II (4-0, 4-0) Prerequisites: None. The course introduces the fundamentals of New Testament Greek grammar and vocabulary, with emphasis on the use of language in biblical translation and interpretation. Students will begin translating biblical texts at the end of the second semester. (2410 every other Fall even years; 2420 every other Spring odd years)

GREK 3310

Greek Translation I (3-0) Prerequisites: GREK 2410, 2420. The course features the translation of biblical text with an emphasis on understanding grammar and syntax. Students will also learn the fundamentals of textual criticism. (Every other Fall odd years)

GREK 3320

Greek Translation II (3-0) Prerequisites: GREK 2410, 2420, 3310. The course features translation of biblical and non-biblical texts. Students will learn the fundamentals of exegesis. (Every other Spring even years)

GREK XX95

Independent Studies (variable credit) Prerequisites: advanced standing in a major or minor and permission of instructor. Upper level elective for majors and minors. This is an advanced study or research program arranged between supervising faculty and the student, which defines goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and a means for measuring progress. (By arrangement)

GREK XX99

Special Topics (level and credit variable) Prerequisite: Permission of instructor. Elective for majors and minors. Courses of this nature are infrequent or unique topics of study offered occasionally to groups of students to broaden the departmental curriculum, to meet student demand, or to observe special events. Courses of this type may be repeated for credit when topics vary. (By arrangement)

HEALTH FITNESS

HFIT 1120

Racquet Sports (0-3) Prerequisite: HFIT 1210 or 1200. This course is designed to teach the fundamentals of racquet sports. Rules and basic playing skills are taught, leading to singles and doubles game play. (Fall)

HFIT 1130

Team Sports (0-3) Prerequisite: HFIT 1210 or 1200. This course is offered for coeducational participation in four or more team sports, with emphasis on personal development of skills to gain a satisfactory level of expertise. (Spring)

HFIT 1140

Aerobics (0-3) Prerequisite: HFIT 1210 or 1200. Available for those students interested in basic cardiorespiratory activities and in gaining a satisfactory level of physical fitness through aerobics including low impact, step, and interval training. (Fall, Spring)

HFIT 1141

Fitness Aquatics (0-3) Prerequisite: HFIT 1210 or 1200, and basic swimming skills. This course is designed to increase students' fitness through rigorous water exercise. The course will include a variety of exercises in the water to strengthen and tone the large muscles of the body, lap swimming and water aerobics to increase cardiovascular endurance. (As needed)

HFIT 1143

Power Walking (0-3) Prerequisite: HFIT 1210 or 1200. This course is designed to develop cardiovascular endurance through the activity of brisk walking. Emphasis is on technique and practice to gain a satisfactory level of expertise. (As needed)

HFIT 1144

Introductory Jogging (0-3) Prerequisite: HFIT 1210 or 1200. Available for those students desiring to reach and maintain a satisfactory level of basic physical fitness through jogging and running as a life-long activity. (As needed)

HFIT 1190

Personal Fitness (0-3) Prerequisite: HFIT 1210 or 1200. This course is designed for students who need individualized programs to improve fitness. Psychomotor requirements include regular workouts using the American College of Sports Medicine exercise prescription for cardiovascular endurance, flexibility, and muscle strength and endurance. Students have input into methods of evaluation. (As needed)

HFIT 1192

Circuit Training (0-3) Prerequisite: HFIT 1210 or 1200. This activity course is available for those students desiring to reach and maintain a satisfactory level of physical fitness. Circuit training activities will include resistance exercises, core training, and cardiovascular exercise. (As needed)

HFIT 1193

Group Exercise (0-3) Prerequisite: HFIT 1210 or 1200. This course is available for those students interested in gaining a satisfactory level of physical fitness through exercise classes including improved cardiovascular endurance (through diverse exercise options), flexibility and muscular strength and endurance (through Core Training, and Yoga/Pilates sessions), combined with cognitive activities devoted to exercise adherence and proper nutrition. Students must average attendance at three sessions weekly (35 total) in order to successfully complete the course requirements. (Fall, Spring)

HFIT 1200

Fitness For Living Modified (1.5-1.5) Prerequisites: Age 30 or above, medical exemption from activity, or permission of the instructor. This course is a modified version of HFIT 1210, designed for the mature or medically exempted student. Class will meet one 1.5 hour lecture per week, with approximately 1.5 hours per week of physical activity. Computer use required. (Fall, Spring)

HFIT 1210

Fitness For Living (1.0-2.0) Prerequisites: None. Students explore health fitness concepts and practices, evaluate personal fitness, and select a concurrent laboratory activity for this basic course in the health fitness sequence. Fitness for Living is a pre-requisite to all Health Fitness courses unless otherwise approved by the instructor. Satisfies general education requirement. Concurrent enrollment in HFIT 1210 lab is required (Fall, Spring)

HFIT XX99

Special Topics (0-3) Prerequisite: HFIT 1210 or 1200. Courses of study offered occasionally to students to broaden departmental curriculum, to meet student demand, or to observe special events.

HISTORY**HIST 1310**

World Civilization to 1500 (3-0) Prerequisite: None. Survey of world civilization from its origins to the Renaissance and Reformation in Europe. Comparison of European civilization with the non-Western world: Far East, India, Africa, the Americas. (Fall, spring) (TCCN HIST 2321)

HIST 1320

World Civilization Since 1500 (3-0) Prerequisites: None. Survey of world history since the Renaissance and Reformation: absolutism, revolution, and industrialization in Europe; imperialism and the non-Western world; the two World Wars; the growth of non-Western nationalism; the contemporary world. (Fall, spring) (TCCN HIST 2322)

HIST 2310

United States to 1877 (3-0) Prerequisites: None. General survey of American history to 1877, concentrating on colonial foundation, national growth, Civil War, and Reconstruction. Problems of the nature of history. (Fall, Spring, Summer I) (TCCN HIST 1301)

HIST 2320

United States Since 1865 (3-0) Prerequisites: None. General survey of American history since 1865, concentrating on economic, social, political, and intellectual developments. Problems of historical evidence and research. (Fall, Spring, Summer II) (TCCN HIST 1302)

HIST 2330

Virtue in World History (3-0) Prerequisites: None. Using comparative study techniques, this course will examine basic ideas of leadership and virtue as demonstrated in the lives and ideas of major figures in world history. The course will engage students to explore the question of how virtue informs effective leadership, using concrete historical case studies. Satisfies general education requirement for Leadership, Excellence, and Virtue; cannot be used to fulfill the history course requirements of the history major or minor, or of the social studies teaching field. (As needed)

HIST 2340

Virtue in American History (3-0) Prerequisites: None. Using comparative study techniques, this course will examine basic ideas of leadership and virtue as demonstrated by the lives and ideas of major figures in United States history. The course will build several frameworks about the nature of leadership and virtue in United States history and will allow students to explore the different ways in which these ideals were manifested through the lives of a variety of political, cultural, religious, and social leaders throughout history of the nation. Satisfies general education requirement for Leadership, Excellence, and Virtue; cannot be used to fulfill the history course requirements of the history major or minor, or of the social studies teaching field. (As needed)

HIST 3310

Texas(3-0) Prerequisites: None. Cultural, social, economic, and political history of Texas, Mexican Texas, the Republic, 19th and 20th century developments; minorities in Texas; geography of Texas. (Spring)

HIST 3331

Modern Britain (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. British history since 1485 after brief background on the developments of the medieval period. Topics include the English Reformation, the development of Parliament, the growth of the British Empire, industrialization, liberalism, and collectivism. (Spring odd years)

Course Descriptions - Undergraduate

HIST 3351

The Early American Republic, 1787-1848 (3-0) Prerequisites: 6 hrs of lower-level history or permission of instructor. The United States from the adoption of the Constitution of 1787 through the Mexican War. Political institutions and practices, economic growth, reform movements, and westward expansion are emphasized. (Spring even years)

HIST 3352

Civil War and Reconstruction (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. A study of the social, economic, and political causes of the Civil War, the events leading to the outbreak of hostilities, and the war itself. The study also includes an analysis of the attempts to reunite the nation, to reconstruct the South, and to integrate the freedmen into society. (Fall even years)

HIST 3354

Contemporary United States (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Recent developments in American society, investigating the unity and diversity of American life in its cultural, political, economic, and intellectual aspects in the second half of the 20th century. (Fall even years)

HIST 3358

Greece and Rome: An Introduction to the Classical World (3-0) Prerequisites: Six hours of lower-level history or permission of the instructor. A study of the origins, development, and decline of ancient Greece and Rome, including Hellenism, Christianity, and the German migrations. Incorporates the development of the Western cultural tradition with an emphasis on classical literature, philosophy, art, and architecture. (Fall odd years)

HIST 3359

The Middle Ages: The Crucible of Western Civilization (3-0) Prerequisites: Six hours of lower-level history or permission of the instructor. Europe from the time of Constantine until the Renaissance. The Middle Ages was a dynamic era when modern Europe was formed by the fusion of Greco-Roman culture, German tribal life, and the universal Christian church, tempered by the storm of Islam. The importance of the Medieval period to Western civilization will be emphasized by surveying the history, arts, literature, and culture of the period. (Spring even years)

HIST 3360

Renaissance and Reformation (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Origins of Renaissance humanism, commercial and scientific revolutions, national states. Protestant and Catholic Reformations; wars of religion. European overseas exploration and conquest. (Fall even years)

HIST 3363

Nineteenth Century Europe (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Study of European civilization during the "long" 19th century, from the French Revolution to the eve of World War I. Impact of the Industrial Revolution on European life, the growth of liberalism and socialism, and the emergence of modern mass society and consciousness. (Fall odd years)

HIST 3364

Twentieth Century Europe (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Study of Europe from the outbreak of World War I to the present, emphasizing the aftermath of World War I, the crises of the Depression years, World War II, the Cold War, and the post Cold War era. (Spring even years)

HIST 3375

Mexico (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. The history of Mexico from pre-

historic times to the present: political, economic, social, and intellectual development; United States-Mexican relations. (Spring even years)

HIST 3377

Historiography and Methods (3-0) This course is an introduction to the discipline of history and a survey of research methodology as employed by historians. Unlike other undergraduate courses in history, it is not a study of the past; instead, it is a study of the philosophy of history, investigative techniques, and the mechanics of historical research. This course will provide a research practicum during which students will be able to employ the material they are surveying as part of a project, the topic of which will be of their choice within the limits of the course. (Spring)

HIST 432(a-z)

Great Books and History (3-0) Prerequisites: Six hours of lower level history, or permission of instructor. History as presented in the Great Books of the Western Canon. Close readings of primary texts to illuminate problems related to the development of Western society and culture, and to stimulate critical thinking. The content of each course will vary and the student may repeat course for credit when the topic differs. This course is designed for history majors and minors and as an upper division elective for interested students. (Fall)

HIST 4330

The Wild West (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. An exploration of the unique pioneering spirit in American history with an examination of the European and American experiences in settling new lands from 1540 to 1890. Emphasis on social and cultural history with special treatment of American expansionism, Manifest Destiny, and the frontier experience of women and Native Americans. (Fall odd years)

HIST 4345

Special Topics in American History (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Focus on a particular area of United States history, such as diplomatic, economic, local, or military history. Emphasis on appropriate research and specialized readings. May be repeated for credit when topics vary. (As needed)

HIST 4354

The U.S. in the Era Of World War (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Study of the United States during the era of the World Wars (1914-1950) including America's coming of age as a world power, politically, militarily, economically, and culturally. (Spring odd years)

HIST 4360

Russia and the Soviet Union (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Background to 19th century. Tsarist Russia: autocracy, revolutionary intelligentsia. Economic, social developments. The Russian Revolution. Lenin, Stalin, the 5-Year Plans. World War II, Cold War, de-Stalinization, and the demise of the Soviet system. (Fall even years)

HIST 4365

Modern Germany (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Survey of the main elements of German history in the 19th and the 20th centuries, from disunity to Reich to partition to reunification. Emphasis on the question of continuity between key periods and figures and their responsibility for the two World Wars. (Spring odd years)

HIST 4375

Special Topics in World History (3-0) Prerequisites: Six hours of lower-level history or permission of instructor. Focus on a particular area of world history, such as international relations, economic history, imperialism, history of science, Eastern

Europe, or Modern Far East. Emphasis on appropriate research and specialized readings. May be repeated for credit when topics are different. (As needed)

HIST 4380

Senior Research Seminar. Prerequisite: HIST 3377, or permission of the instructor. This course involves research on a specialized historical topic culminating in a seminar paper. Students will demonstrate breadth of knowledge and skills mastered since their introduction in other history courses. Subject of seminar paper to be determined by the student, in consultation with the instructor. This is the capstone course for History. (Fall)

HIST 4X95

Independent Studies. Prerequisites: Six hours of lower-level history or permission of instructor. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

HIST 4X96H

Honors Tutorial. Prerequisites: 15 hours in history and admission to departmental honors program. Designed for the honors student in history; includes reading in a particular topic, historical and historiographical analysis, and research. Required for Honors Program. (By arrangement)

HIST 4X97H

Senior Thesis. Prerequisites: 18 hours in history, admission to departmental honors program, and approval of research project by department and Honors Committee. Designed for the candidate for departmental honors and as a capstone course for the student majoring in history. An independent research project on a topic approved by the history faculty; findings reported in writing and orally to the faculty of the department. Successful completion required for graduation with honors in history. Required for Honors Program. (By arrangement)

INFORMATION TECHNOLOGY**ITEC 3310****Information Security (3-0)**

Prerequisite: COIS 3311. Required course for IT major and minor. Introduces students to current principles and issues focused on security of information systems. Topics covered include security design principles, implementation, disaster recovery, countermeasures, and forensics. (Fall)

ITEC 3320**Systems Admin and Maintenance (3-0)**

Prerequisite: COSC 1325. Required course for IT major and minor. Introduces students to current issues related to administration and maintenance of information systems. Topics covered include operating system installation, configuration, maintenance, services, and support. (Spring)

ITEC 4388

Information Technology Internship (3-0) Prerequisites: Junior standing and permission of the instructor. Elective for the IT major. This course provides an opportunity for selected students to gain actual experience through on-the-job assignments in a computer facility located in the community. This is an experience enriched course. (As needed)

ITEC 4X95**Independent Studies (Variable credit)**

Prerequisite: Advanced standing in the ITEC major or minor and permission of instructor. Upper level elective for ITEC major and minor. This is an advanced study or research program arranged

between supervising faculty and student which defines goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and a means for measuring progress. (By arrangement)

ITEC 4X96H

Honors Tutorial (Variable Credit) Prerequisite: Permission of instructor. Designed for Information Technology Honors participants. This course provides opportunities for investigations related to an approved upper level course (with concurrent enrollment) or as a separate independent study. This course may be repeated. (By arrangement)

ITEC 4X97H

Honors Thesis (Variable credit) Prerequisite: Permission of instructor. Designed for Information Technology Honors program participants. Students pursue a research topic under the direction of a departmental faculty member, resulting in a written thesis and oral presentation to an appropriate audience. (By arrangement)

ITEC XX99

Special Topics (Level and credit are variable) Prerequisite: Permission of instructor. Elective for ITEC major and minor. Courses of this nature are infrequent or unique topics of study offered occasionally to groups of students to broaden the departmental curriculum, to meet student demand, or to observe special events. Courses of this type may be repeated for credit when topics vary. Students may be required to have a wireless tablet or laptop. (By arrangement)

KINESIOLOGY**KINE 1121-4122**

Apprentice Athletic Trainer Laboratory (0-20 hours in training room.) (Also, 2121-2122, 3121-3122, 4121-4122 three year minimum) Prerequisite: Permission of director of athletic training. A minimum of 300 clock hours each fall and spring for a minimum of three academic years (1800 clock hours minimum) is required in training room and field experiences in administering to athletes. Daily logs, case by case critiques, study of related budgeting and acquisition of supplies, maintenance of training equipment and facilities are included in day-to-day experiences.

KINE 2145

Fundamentals of APA Style (1-0) Prerequisites: ENGL 1310, 1320, AND KINE 2330. A study of manuscript structure and content, which outlines manuscript elements and introduces students to journal article reporting standards as well as writing principles with APA style citations, principles of clear and concise communication, and reducing bias in language. Required in ESHP core for Kinesiology students, elective for others. (Fall, as Subterm 1)

KINE 2211

Coaching Football (2-0) Prerequisites: None. Examines strategies for coaching football at the secondary school level. Covers rules and regulations, fundamentals, organizational principles, scouting, technical tactics and other topics. (Fall)

KINE 2212

Coaching Basketball (2-0) Prerequisites: None. Examines strategies for coaching basketball at the secondary school level. Covers rules and regulations, fundamentals, organizational principles, scouting, technical tactics and other topics. (Spring)

KINE 2213

Coaching Volleyball (2-0) Prerequisites: None. Examines strategies for coaching volleyball at the secondary school level. Covers rules and regulations, fundamentals, organizational principles, scouting, technical tactics and other topics. (As needed)

KINE 2214

Coaching Track And Field (2-0) Prerequisites: None Examines strategies for coaching track and field at the secondary school level. Covers rules and regulations, fundamentals, organizational principles, scouting, technical tactics and other topics. (Spring) (Fall, Spring) (TCCN PHED 2356)

KINE 2335

Accident Prevention and Care of Injuries (3-0) A study of accident prevention as related to physical education and sports, with emphasis on anatomy and care of athletic injuries.

KINE 2261

Assessment of Athletic Injuries (2-0) Prerequisites: KINE 2335 or permission of instructor. A study of injury assessment including athletic-related trauma from injuries to the axial region, lower extremities, and upper extremities. This course provides guidelines for development of a sound knowledge base and the skills required to effectively perform thorough and systematic athletic injury assessments. Course seeks to develop confidence in the student athletic trainer in injury recognition through use of prevalent assessment techniques. Required for Athletic Training Prelicensure. (Fall odd years)

KINE 2330

Foundations of Exercise Science (3-0) An introduction to the various areas of exercise science and human performance, including historical background, professional opportunities, present status, individual awareness of professional responsibilities and familiarization with current trends and issues. Computer use required. (Fall, Spring)

KINE 3100

University Interscholastic League Rules (1-0) Prerequisite: junior level standing. Focus on the rules governing Texas high school athletics as set by the University Interscholastic League. Emphasis on guidelines for member schools, coaches and athletes. This course is prerequisite for any coaching course and may be taken concurrently. (Fall, Spring)

KINE 3245

Writing Using APA Style (2-0) Prerequisites: ENGL 1310, 1320, and "C" or above in KINE 2145. Study of the principles of writing research documents using APA (American Psychological Association) style with extensive practice in searching and analysis of the work of others, process writing with emphasis on mechanical skills, revision techniques, and appropriate documentation. This is the second of two courses leading to the university's writing certification. (Fall, subterm II)

KINE 3300

Statistics for Measurement and Evaluation In Kinesiology (3-0) Prerequisites: KINE 2330, and MATH 1311 or higher. A study of fundamental purposes and procedures of data collecting and analysis. Statistical treatments for all types of data are practiced and applied to actual test administrations that estimate health fitness, skill fitness, and motor abilities. (Fall)

KINE 3302

Introduction to Motor Learning (3-0) Prerequisites: KINE 2335, and 3321, or permission of instructor. Study of current theories and practices in motor learning and motor performance. The course emphasizes aspects of learning and performance of motor skills dealing specifically with selected concepts of skill development and their application to practice. (Fall)

KINE 3307

Nutrition for the Health Sciences (3-0) Prerequisite: Any lab science. A study of the nutritional bases and strategies to enhance the health of sedentary, moderately active, and very active individuals, through all the stages of life. Attention is given to nutrient physiology, daily choice behavior, and the art of nutrition prescription. (Fall and Spring)

KINE 3310

Exercise Prescription (3-0) Prerequisites: H F 1200/1210, and KINE 2330 or KINE 2335. An investigation into prescribing exercise to non-adapted persons. Particular emphasis is given to personal assessment, exercise modes, and programs interrelating duration, intensity, and frequency of exercise. (Fall)

KINE 3320

Exercise Leadership (3-0) Prerequisites: HFIT 1210, KINE 2330, and KINE 3310. An interactive classroom-field experience in leading clients interested in fitness and wellness activities. Class time designed to instruct students in variety of leadership, instructional, and training techniques. Field time is spent leading clients. Student field experiences are debriefed on a concurrent basis. (Spring)

KINE 3321

Anatomical Kinesiology (3-0) Prerequisite: KINE 2330 or KINE 2335. A study of human anatomical and physiological structure, and fundamentals and mechanical principles of movement, with primary emphasis on the relationship of physical laws which govern the universe to the principles of kinesiology applied to physical movement. (Fall, Spring)

KINE 3325

Biomechanical Kinesiology (3-0) Prerequisites: Any lab Science, MATH 1311 or higher. A mathematical study of human motion. Mechanical applications are investigated using kinetics and kinematics under the separate or simultaneous conditions of translational and rotational motion. Individual kinematic project required. (Spring)

KINE 3330

Adapted Physical Activity and Sport (1-2) Prerequisite: KINE 2330 or 2335. A study of selected special populations, with primary emphasis upon the unique needs, appropriate developmental activities, and suggested programs for cognitively and physically challenged. Off-site lab participations provide opportunities to interact with and provide lessons for individuals with disabilities in activity-based settings. (Spring)

KINE 3331

Personal and Community Health (3-0) Prerequisites: HFIT 1200 or HFIT 1210. A study of health and fitness principles and methods. Specific emphasis is placed on maintaining personal health in a full and productive life. This course is specified for students pursuing licensure in athletic training and may be taken as a general elective by others. (As needed)

KINE 3341

Movement and Rhythmical Activities For Children (1.5-1.5) Prerequisite: None. Study of the current theories and emphasis on movement exploration and rhythms, including fitness activities for use in the Physical Education setting. This course includes information concerning methods and materials in natural and creative movement and exposure to a wide variety of available resources and aids for the various developmental levels in grades K – 12. (Spring even years)

Course Descriptions - Undergraduate

KINE 3340

Instructional Strategies for Elementary School Physical Education (2-1) Prerequisites: KINE 2330 or admission to the Teacher Education Program. Presentation of the activities of physical education programs for the elementary school with emphasis upon curriculum planning, progressive selection of materials for different grades, methods of presentation, sources of aids and materials, and performance in fundamental movement activities that are appropriate for the elementary level. (Fall)

KINE 3350

Instructional Strategies for Secondary School Physical Education (2-1) Prerequisites: KINE 2330 or admission to the Teacher Education Program. Same as KINE 3340 except that emphasis is given to secondary school programming and methodology. (Spring even years)

KINE 3380

Therapeutic Modalities and Rehabilitation of Athletic Injuries (3-0) Prerequisite: KINE 2261. Focus on the knowledge and use of modalities in the rehabilitation of athletic injuries. Provides the student with a comprehensive guide to the design, implementation, and supervision of rehabilitation programs for sports-related injuries with particular emphasis on use of modalities and currently acknowledged sports medicine practices. Required for Athletic Training PreLicensure. (Spring, even years)

KINE 4100

Applied Pharmacology for Athletic Trainers (1-0) Prerequisites: Senior status, or permission of the Director for Athletic Training. Completion of BIOL 2401 or BIOL 2402, and KINE 3321. General pharmacology of drugs acting on the autonomic, cardiovascular, and central nervous systems. Principles governing drug-receptor interactions, dose-response relationships, desensitization, and tolerance. Required for all ESHP majors seeking athletic training concentrations. (Spring odd Years)

KINE 4120

Pedagogical Apprenticeship (0-3) Prerequisites: Senior status and successful completion, with a C or above, in six Health Fitness courses including at least one from: Fitness for Living, Racquet Sports, Team Sports, Cardiovascular Fitness. Involves 45 hours of leadership in laboratory or instructional settings related to departmental classes. (Fall, Spring)

KINE 4220

Laboratory Testing in Exercise Science (1.5-1.5) Co-requisite: KINE 4320 or permission of instructor. An experiential survey of laboratory procedures and techniques in the measurement of human physical characteristics and performance. Assumption and error in research, as well as measurements of cardio-vascular endurance, body composition, blood pressure, pulmonary function, heart activity, and body shape are included. Statistical treatments and analyses are employed. A personal research project is required. (Spring)

KINE 4245

Experimental Research and Writing in Exercise Science (2-0) Prerequisites: KINE 2145, 3245, 4320, and KINE 4220 (May be taken concurrently). This course features the scientific practices and methods of Exercise Science research inquiry and the communication of these studies in acceptable technical writing format. Substantial time is given to developing and implementing a personal research project, statistical analysis, and refining technical writing skills to fully explain the nature and implications of the study. (Spring, odd years)

KINE 4320

Physiology of Exercise (3-0) Prerequisite: KINE 2335, 3321. BIOL 2401 is recommended. An investigation of the chronic and acute effects of exercise on human tissues and systems. Emphasis is given to factors affecting athletic performance and functional health. (Fall, Spring)

KINE 4325

Risk Management in Exercise Science (3-0) Prerequisite: Senior standing. An explanation of the liability implications of teaching/coaching or administering activity based programs. The course will examine the common bases of litigation against exercise science professionals, and the risk management techniques for minimizing liability in these situations. (Fall)

KINE 4330

Organization and Administration of Athletics (3-0) Prerequisites: Senior status and 9 advanced Kinesiology hours. An overview of the role, structure and governance of interscholastic athletics programs. This course will enable students to develop and comprehend current knowledge, theories, and practices in athletic administration which operate within a governance framework of state and national policies and rules. (As needed)

KINE 4340

Advanced Techniques of Athletic Training (2-1) Prerequisite: KINE 2261, 2335, 3380 and BIOL 2401. A study of theory and practice of athletic training in both the classroom and laboratory setting. Students will gain further advancement in the field of athletic training and its administrative concerns. This course will help students gain a better understanding of operational procedures relating to legal liability, budgeting, record keeping, proper facilities, training room policies, and the handling of insurance. Major emphasis will be placed on legal liabilities, injury rehabilitation, and injury recognition. Other areas of study will be modality use, drug education relating to athletes, and nutritional considerations for the athlete. This course is required for Athletic Training Pre-Licensure. (Spring odd years)

KINE 4388

Internship (0-9 contact hours in work setting) A course of study in an approved environment related to the student's career choice. The student will spend approximately 120-140 contact work hours on-site. A report of work experience, which includes content and format that has been agreed upon by the student, University supervisor, and on-site supervisor will be required. This is an experience-enriched course and the capstone course for the Exercise Science and Human Performance major, and for the Exercise and Sports Studies minor. Usually taken semester of graduation. (*Taken during last semester at McMurry University*). (Fall, Spring)

KINE 4X95

Independent Studies Prerequisite: Twelve semester hours and approval of instructor. A study program arranged between an advanced student and an instructor to provide study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress.

KINE 4X96H

Honors Tutorial Prerequisite: Permission of instructor. A course of study for the honors student, designed as a supplement to other physical education courses. The study will be in greater depth than attempted in the other physical education courses, and perhaps on a topic not previously covered.

Course Descriptions - Undergraduate

KINE XX99

Special Topics A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary

MATHEMATICS

MATH 0320

Introductory Algebra (3-0) Curriculum includes elementary algebra including properties and operations of real numbers, operations with algebraic expressions, factoring, solving linear equations and equalities, quadratic equations, and the coordinate plane and graphing. Upon successful completion of MATH 0320, the student will be enrolled in MATH 0330. Laboratory time is required. (Fall, Spring)

MATH 0330

Intermediate Algebra (3-0) Prerequisite: Successful completion of MATH 0320 Introductory Algebra or demonstrated mastery of the concepts covered in MATH 0320. Module 1 in the Accelerated College Algebra series includes a review of introductory algebra concepts, quadratic equations, factoring, rational expressions, complex fractions, roots, radicals, absolute value equations and inequalities, and functions. Upon successful completion of MATH 0330, the student will be enrolled in MATH 1311. Laboratory time is required. (Fall, Spring, and Summer as needed)

MATH 1311

College Algebra (3-0) This college algebra course focuses on modeling real data, e.g., environmental issues. Topics covered include linear and quadratic functions, systems of linear equations and matrices, exponential and logarithmic functions, series, inequalities, and linear programming. A graphing calculator is preferred, preferably a TI83+. Some students will be required to take DEVS 0330 before being allowed to take this course according to McMurry's academic placement policy. MATH 1311 or a higher-level mathematics course fulfills the General Education requirement for BA and BBA degrees. Consult requirements for your major to see if this course is required. (Fall, Spring) (TCCN MATH 1314)

MATH 1315

Contemporary Math (3-0) This course focuses on conveying the power of mathematics by showing a variety of problems that can be modeled and solved by quantitative means. This course will give a broad sense of what Math is about and how it applies to everyday life. Some of the topics this course may include are Management Science, Statistics, The Science of Data, Voting and Social Choice, Fairness and Game Theory, The Digital Revolution, On size and Growth, and Your Money and Resources. Some students will be required to take DEVS 0330 before being allowed to take this course according to McMurry's academic policy. (Fall, Spring)

MATH 1320

Pre-Calculus (3-0) Prerequisites: Placement demonstrated by ACT or SAT scores, high school transcript, or college transcript(s). Transcendental functions are studied along with their graphs and applications. Other topics examined may include solutions of triangles, trigonometric identities, polar coordinates, and complex numbers. A graphing calculator is required, a TI84 is recommended. This course is a prerequisite for Calculus I. (Fall) (TCCN MATH 2312)

MATH 2315

Discrete Mathematics (3-0) Prerequisites: MATH 1311 or permission of instructor. Topics covered include logic, mathematical proof techniques, sets, functions, relations on sets, number theory, counting techniques, recurrence relations, and graph theory. Required for the mathematics major. (Fall and Spring) (TCCN MATH 2305)

MATH 2421

Calculus I (3-1) Prerequisites: MATH 1320 or permission of instructor. An Introduction to the fundamental concepts, theorems, and applications of limits, continuity, differentiation, antidifferentiation, and integration of algebraic, logarithmic, exponential, and trigonometric functions. Required for the mathematics major, minor, computer science major, and physics major. (Fall, Spring) (TCCN MATH 2413)

MATH 2322

Calculus II (3-0) Prerequisite: MATH 2421. This course builds on the skills developed in Calculus I. Applications of integration, techniques of integration, sequences and series are rigorously studied. Other topics examined may include numerical approximation and calculus using polar coordinates. Required for the mathematics major, minor, and physics major. (Fall, Spring) (TCCN MATH 2314)

MATH 2340

Linear Algebra (3-0) Prerequisites: MATH 2421 or permission of instructor. An elementary introduction to basic concepts of Linear Algebra. Topics to be included are matrices, determinants linear transformations and vector spaces. Required for the mathematics major, minor, computer science major, and physics major. (Fall, Spring) (TCCN MATH 2318)

MATH 3301

Multivariable Calculus (3-0) Prerequisites: MATH 2322 and 2340. An introduction to calculus of several variables. Topics to be included are differentiation, partial derivatives, multivariable chain rule, directional derivatives, gradients, extrema of real valued functions, constrained extreme and LaGrange multipliers, divergence, curl, multiple integrals, line integrals, surface integrals, Green's Theorem, Stokes' Theorem, and Divergence Theorem. Optional for the mathematics major, and minor. Required for the physics major, and minor (Spring)

MATH 3302

Intermediate Analysis (3-0) Prerequisites: MATH 2315, 2322. Properties of the real numbers, continuous functions, differentiable functions, infinite series, and the topology of the real numbers. Required for the mathematics major and mathematics grades (8-12). Optional for the mathematics grades (4-8). (Spring)

MATH 3321

College Geometry (3-0) Prerequisites: MATH 2315 or 3302 or permission of instructor. A study of advanced Euclidean geometry and some of the theorems of non-Euclidean geometry, which is intended to provide a broader view of geometry for those who plan to teach high school mathematics. (Spring)

MATH 3330

Teaching Elementary Math I EC-6 (3-0) Prerequisites: A grade of "C" or better in MATH 1311 or higher. This course is also cross-listed as ECED 3330. This course introduces the prospective teacher to concepts and developmentally appropriate

instructional strategies for math taught at the EC through Grade 6 levels. Students will develop an understanding of fundamental elementary math concepts such as problem solving, the development of early number concepts and number sense, mastery of math facts, operations, fractions and decimals, and proportional reasoning through active and investigative projects and activities. (Fall, spring, summer), (Required for Math EC-6 certification, and Math grades 4-8 certification)

MATH 3331

Teaching Elementary Math II EC-6 (3-0) Prerequisites: Grade of "C" or better in MATH 1311 or higher, and MATH 3330. This course is also cross-listed as ECED 3331. This course will introduce the prospective teacher to concepts and developmentally appropriate instructional strategies for math taught at the EC through Grade 6 levels. Students will develop understanding of fundamental elementary math concepts such as geometry and measurement, algebraic thinking, statistics and probability through active and investigative projects and activities. During long semesters students will tutor 5th grade students in math. (Spring, spring, summer), (Required for EC-6 certification)

MATH 3332

Theory of Secondary School Mathematics (3-0) A course designed to aid the prospective secondary mathematics teacher in understanding the concepts of mathematics now being taught in the secondary schools. Manipulatives, cooperative learning investigations, projects, writing assignments, and technology are part of the syllabus. This course is open only to those who will be student teaching in secondary mathematics during the following spring or fall semester. (Fall)

MATH 3341

Ordinary Differential Equations (3-0) Prerequisite: MATH 2322. An introduction to the general theory and solution techniques of ordinary differential equations. Laplace Transforms and systems of ordinary differential equations are also presented. Required for the physics major, and minor. (Fall)

MATH 3351

Statistics (3-0) Prerequisites: MATH 1311 or permission of instructor. Introduction to statistics and probability theory, sampling techniques, classification of data, descriptive statistics, exploratory data analysis, probability, random variables, probability distributions, sampling distributions, confidence intervals, tests of hypothesis, correlation, linear regression, chi-square tests, and introduction to analysis of variance. Required for the computer science major, nursing major, and physics major. Optional for the mathematics major. (Fall, Spring)

MATH 4301

Advanced Analysis I (3-0) Prerequisite: MATH 3302. A rigorous treatment of topics introduced in elementary calculus and more advanced topics basic to the study of real analysis. A required course for the Math major. (Fall odd years)

MATH 4302

Advanced Analysis II (3-0) Prerequisite: MATH 4301. A continuation of Mathematics 4301. An optional course for the mathematics major, and minor. (Spring even years)

MATH 4321

Abstract Algebra I (3-0) Prerequisites: MATH 2315 and 2340. A study of number theory, elementary theory of groups, rings, integral domains, and fields. A required course for the math, math-computer science major. (Fall even years)

MATH 4322

Abstract Algebra II (3-0) Prerequisite: MATH 4321. A continuation of Mathematics 4321. An optional course for the mathematics major, and minor. (Spring odd years)

MATH 4331

Numerical Analysis With Computer Applications (3-0) Prerequisites: COSC 1325 and MATH 2421 and 2340. Basic numerical methods for function evaluation, root finding, evaluation of integrals, simultaneous linear equations, and ordinary differential equations. (Also cross-listed as COSC 4331.) Required for the computer science major and optional for the mathematics major. (Spring)

MATH 4388

Internship In Mathematics This is a pre-approved and supervised work experience for selected students. Registration is by permission only for students who have met all the qualifications. See instructor for details.

MATH 4X95

Independent Studies A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress.

MATH 4X96H

Honors Tutorial Prerequisites: 25 hours in mathematics and admission to departmental honors program. Designed for the honors student in mathematics, including study of particular topic, historical and background analysis, and research.

MATH 4X97H

Senior Thesis Of Project Prerequisites: 18 hours in mathematics, admission to departmental honors program, and approval of research project by department and Honors Committee. Designed for the honors student in mathematics. An independent research project on a topic approved by the mathematics faculty. Findings reported in writing and orally to the faculty of the department. Successful completion required for graduation with honors in mathematics.

MATH XX99

Special Topics A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary.

MANAGEMENT**MGMT 3310**

Principles Of Management (3-0) Prerequisites: None. First course for students concentrating in management. Study of management principles applicable to various legal forms of organizations. Attention is given to the decision-making process, planning, organizing, leadership, motivation and the control process. (Fall, Spring)

MGMT 3370

Operations Management (3-0) Prerequisites: MGMT 3310. Required for students concentrating in management. The study of management as applied to the operations function. Selected topics include: capacity, facilities management, project management, inventory management, scheduling, purchasing, technology. The development of current quantitative techniques will support the selected topics. (Fall)

Course Descriptions - Undergraduate

MGMT 3390

Human Resources Management (3-0) Prerequisite: MGMT 3310. Required for students concentrating in management. The study of topics include: staffing, compensation, training, the legal environment, safety and health, and performance appraisals. (Spring)

MGMT 4310

Managing For Quality (3-0) Prerequisites: MGMT 3310 and BUSI 3370 or equivalent statistics course. Required for students concentrating in management. An in-depth study of the major managerial philosophies and techniques of quality with a special emphasis on continuous improvement systems (TQM, CQI). Specific topics include quality design and implementation in manufacturing, government, service and academic organizations, economics of quality, human resource management for quality and the technical system including inspection and measurement, reliability and statistical process control. (Spring)

MGMT 4330

Organizational Behavior / Interpersonal Relations (3-0) Prerequisites: MGMT 3310 or approval of instructor. Required course in the management concentration. The study of individuals, groups, and organizations in the work environment, to include the structure, processes, and effects of each upon each other. Also, interpersonal relationships, emphasizing individual and group behavior and communication in the business setting, with further emphasis upon identifying and classifying individual behavior and personal styles of behavior are examined. Strategies for managing interpersonal relationships will be discussed and developed. (Fall)

MGMT 4370

Marketing Management (3-0) Prerequisites: MGMT 3310, MKTG 3370 or consent of instructor. Advanced elective for the management concentration. Study of the managerial direction and control of activities necessary to insure satisfaction of consumer needs. Consideration given to the relationships of the functions of marketing management in the creation of a formal organization structure. Also cross-listed as MKTG 4370. (Spring)

MGMT 4X88

Internship (variable credit) A pre-approved and supervised work experience designed to supplement academic training. Credit may be granted for one, two, or three semester hours. A student completing a dual concentration could be eligible for an internship in each concentration; however, a separate internship work experience would be required for each concentration. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

MGMT 4X95

Independent Studies (variable credit) Prerequisites: Senior standing and consent of the Dean. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

MGMT XX99

Special Topics (variable credit) Prerequisite: Permission of Instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By Arrangement)

MARKETING

MKTG 3370

Principles Of Marketing (3-0) Prerequisites: None. Required of Business majors and minors. Social and economic as-

pects of the principles and the methods underlying the distribution of commodities: the functions performed by the institutions and the organizations which move goods from the producer to the consumer. (Fall, Spring)

MKTG 3380

Marketing Promotions (3-0) Prerequisite: MKTG 3370. An overview of Advertising, Personal Selling, Public Relations and Sales Promotion as it relates to the Marketing Mix. The emphasis will be on the Promotional Mix as it is used to inform, persuade, and influence the consumer's purchase decision. (Fall)

MKTG 4320

Marketing Channels (3-0) Prerequisite: MKTG 3370 or permission of instructor. A study of the strategic implications for management in the selection of institutions for the movement of goods from their point of origin to their purchase by the ultimate consumer. This course will provide an overview of the functions necessary to the distributions of goods and the design of efficient and effective systems of distribution. (Fall as needed)

MKTG 4325

Professional Selling Techniques (3-0) Prerequisite: MKTG 3370, or permission of instructor. A study of professional selling techniques that leads to long-term marketing exchange relationships in the business environment. The course combines theory with practice to enhance understanding of the sales process. Emphasis is placed on strategic planning, questioning, communication skills, dealing with objections, obtaining commitment, and building relationships. (Fall as needed)

MKTG 4350

Consumer Behavior (3-0) Prerequisites: MKTG 3370 or consent of instructor. An advanced study of marketing theories concerning consumer motivations and behaviors in the market place. Emphasis is placed on the behavior of consumers and of the major stimuli that influence them. (Spring)

MKTG 4370

Marketing Management (3-0) Prerequisites: MGMT 3310 and MKTG 3370, or consent of instructor. Study of the managerial direction and control of activities necessary to insure satisfaction of consumer needs. Consideration given to relationships of the functions of marketing management in the creation of a formal organization structure. Cross-listed as MGMT 4370. (Spring)

MKTG 4380

Marketing Research (3-0) Prerequisites: MKTG 3370 and BA 3370 or consent of the instructor. Required of all marketing majors. Study of the techniques used in determining sales potential, consumer purchasing power, the demand for industrial goods, sales forecasts, package and brand effectiveness, and the allocation of territories. Intensive investigation and critical analysis of current marketing and business problems. (Fall)

MKTG 4X88

Internship (variable credit) A pre-approved and supervised work experience designed to supplement academic training. Credit may be granted for one, two, or three semester hours. A student completing a dual concentration could be eligible for an internship in each concentration; however, a separate internship work experience would be required for each concentration. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

MKTG 4X95

Independent Studies (variable credit) Prerequisites: Senior standing and consent of the Dean. A study program arranged between an advanced student and an instructor to provide

intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining these goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

MKTG XX99

Special Topics (variable credit) Prerequisite: Permission of Instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topic varies. (By arrangement)

MULTIMEDIA & GRAPHIC DESIGN**MMAP 2310**

Introduction to Multimedia Applications (3-0) Students will become familiar with multimedia concepts, terminology, and software. Students will apply appropriate design principles and develop technical skills as they create video, audio, text, and digital images. All students will create and publish a digital portfolio. (Fall, Spring)

MMAP 2340

Introduction to Digital Animation (3-0) Prerequisite: MMAP 2310. Students will develop animation skills as they use Flash to create multimedia and interactive web content. Students will use libraries, pre-existing and created symbols, and vector and raster based drawing tools to produce and manage project assets. (Spring)

MMAP 3310

Digital Video Capture and Editing (3-0) Prerequisites: None. Upper level elective for Theatre majors. An introduction to the techniques of capturing digital video through the use of video cameras and downloading for use in non-linear editing on a computer for a variety of video skills tests including basic editing, applying motion key-frames, titling, transitions, filters, voice-overs, compositing, and chroma-key. Students will create projects including interviews, commercials, music videos, live performances and documentaries. Students will learn how to compress video for use in various formats including video for web sites and digital video disks. Cross-listed as MMAP 3310. (Fall and/or Spring as needed)

MMAP 3320

HTML and Web Design (3-0) Prerequisites: MMAP 2310, ART 1310 strongly recommended. Students will use HTML, CSS, and graphic editing software to create increasingly complex web pages. (Fall)

MMAP 4388

Internship in Multimedia Applications (0-9) Prerequisites: senior standing, MMAP 3320, ART 1310, either ART 3330 or MMAP 2340, and one other course required for the MMAP minor/concentration in MMAP. Student will work with a faculty member to design and develop multimedia projects for the university, the community, or local businesses. (Fall, Spring)

MMAP 3X96H

Honors Tutorial (variable credit) Prerequisite: Permission of Instructor. Designed for the honors student in multimedia. The student will engage in research related to proposed work on the Honors Thesis. This course may be repeated for credit.

MUSIC**MUAP 0111**

Marching Band Prerequisite: Permission of instructor. The Marching Band consists of students from all areas of study including Music majors and non-majors. The band is primarily

involved in appearances at football games on campus and in exhibitions across the state during the fall semester. Membership is open to any student with prior high school or college instrumental experience. (Fall)

MUAP 0112

Wind Ensemble Prerequisite: Permission of instructor. The McMurry Wind Ensemble consists of students from all areas of study including music majors and non-majors, and members are selected by competitive auditions at the beginning of each semester. The Wind Ensemble is primarily involved in concert performances of the core band repertoire. This ensemble meets multiple times per week and membership is open, by audition, to any student with prior high school or college instrumental experience. This course helps satisfy the ensemble participation components of the major and minor in music. (Fall, Spring)

MUAP 0113

Symphonic Band Prerequisite: Permission of instructor. The Symphonic Band consists of students from all areas of study including music majors and non-majors. The band is primarily involved in concert appearances on campus and at schools, churches, and community events during the spring semester. Membership is open to any student with prior high school or college instrumental experience. (Spring)

MUAP 0120

Chanters Prerequisite: Permission of Instructor. Chanters is the main touring choir of McMurry University. It consists of students from all areas and majors who enjoy performing demanding choral literature ranging from the traditional to the experimental. Performance opportunities include numerous local and area performances in churches, schools, and community concerts, and touring each semester is expected. Fall travel typically involves a retreat weekend and another weekend tour; the spring semester is an extended tour of several days or more. Membership is determined by audition. (Fall, Spring)

MUAP 0122

McM Sounds Prerequisite: Permission of Instructor. Sounds is a small, select vocal ensemble that specializes in a cappella music. The signature repertoire of Sounds includes jazz and Americana literature, and multiple SATB parts are often encountered. This ensemble meets twice a week; an additional sectional rehearsal and memorization of all music is expected. McM Sounds has its own schedule of performances. Students are eligible for this group if they are a current member of Chanters and are selected through a competitive audition at the beginning of the fall semester.

MUAP 0135

Percussion Ensemble Prerequisite: Permission of instructor. The Percussion ensemble is an active chamber ensemble open to all students regardless of major with permission of instructor. Performance ranging from standard repertoire for large ensemble to cutting edge, and commissioned works for smaller groups, the percussion ensemble presents two to four concerts each year and may include some travel. Another component to the ensemble is the Warhawk Steel Drum Band that rehearses on the same Tuesday/Thursday schedule with percussion ensemble. (Fall, Spring)

MUAP 0145

Brass Ensemble Prerequisite: Permission of instructor. Participation in the McMurry Brass Ensemble provides the student with experience in the performance of (a) brass instrument(s) in a chamber setting. Emphasis will be on ensemble blend, intonation, and balance. Performances may include on-campus recitals, brief recruiting tours, and competitions. (Fall, Spring)

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MUAP 0150

Jazz Ensemble Prerequisite: Permission of instructor. The Jazz Band at McMurry University is a performing ensemble with at least one scheduled concert each semester. It is also an opportunity to learn more about the jazz genre and prepare the student for work in the professional music field. Emphasis will be placed on style and improvisation in both large and small group settings. (Fall, Spring)

MUAP 0155

Opera Workshop Opera Workshop students will sing and act a variety of repertoire via operatic scenes or full-length productions. Repertoire requirements are chosen at the discretion of the Instructor depending upon voice-types and instrumental accompaniment available each semester. Auditions may be required and advanced ear-training and sight-singing skills are expected for principal roles.

MUAP 1113

Class Piano I Prerequisite: Admission as music major. Co-requisite: MUTH 1130. Required of all music majors. This course introduces the student to the piano in a four semester sequence designed to prepare the student for a keyboard proficiency (MUS 2001). (Fall)

MUAP 1114

Class Piano II Prerequisites: Admission as music major, MUAP 1113. This course is the second in a four semester sequence designed to prepare the student for a keyboard proficiency (MUS 2001). (Spring)

MUAP 1115

Class Piano III Prerequisites: Admission as music major, MUAP 1114. This course is the third in a four semester sequence designed to prepare the student for a keyboard proficiency (MUS 2001). (Fall)

MUAP 1116

Class Piano IV Prerequisites: Admission as music major, MUAP 1115. Co-requisite: MUS 2001. This course is the fourth in a four semester sequence designed to prepare the student for a keyboard proficiency (MUS 2001). The student will perform a juried proficiency at the conclusion of this class. (Spring)

MUED 1305

Introduction to Music Education (3-0) Prerequisites: Admission as music major, or permission of instructor. This course provides a foundation in basic principles of music teaching. Fundamentals of music lesson planning, assessment, error detection, complete teaching cycles, and corrective feedback are developed, with an emphasis on utilizing these skills to effectively address the Texas Essential Knowledge and Skills and National Standards for Music Education in a music classroom. This course also provides training for using microcomputer applications involving the following: music notation software, marching band show design software, and databases. Students will become familiar with these software packages and learn how they can be integrated into a public school music program. (Fall)

MUED 3113

String Techniques and Methods (1-1) Prerequisites: MUTH 1340, admission as music major, or permission of instructor. A study of the principles of playing and teaching stringed instruments, with a special emphasis on the opportunities and problems of public school programs. Offered through intercollegiate courses. Fall semester recommended. (Fall)

MUED 3114

Flute and Saxophone Methods. (1-1) Prerequisites: Admission as music major, or permission of instructor. The basic principles involved in playing flute and saxophone, with an emphasis on pedagogy. Course involves observations of be-

ginning woodwind classes in local schools, writing lesson plans, single reed adjustment, embouchure development, fingerings for each instrument, as well as graded literature for each instrument. (Spring even years)

MUED 3115

Clarinet and Double Reed Methods. (1-1) Prerequisites: Admission as music major, or permission of instructor. The basic principles involved in playing clarinet, oboe, and bassoon, with an emphasis on pedagogy. Course involves observations of beginning woodwind classes in local schools, writing lessons plans, single reed adjustment, embouchure development, fingerings for each instrument, as well as graded literature for each instrument. (Spring odd years)

MUED 3116

High Brass Methods. (1-1) Prerequisites: Admission as music major, or permission of instructor. A study of the principles involving playing and teaching high brass instruments, including trumpet and horn. (Fall even years)

MUED 3117

Low Brass Methods (1-1) Prerequisites: Admission as music major, or permission of instructor. A study of the principles involving playing and teaching low brass instruments, including trombone, euphonium, and tuba. (Fall odd years)

MUED 3118

Percussion Techniques and Methods I (1-1) Prerequisites: admission as music major, or permission of instructor. A study of the basic principles involved in playing and teaching percussion instruments, with a special emphasis on exploring the wide variety of percussion techniques. (Spring even years)

MUED 3119

Percussion Techniques and Methods II (1-1). Prerequisite: admission as music major, or permission of instructor. A study of the basic principles involved in playing and teaching world, drum set, and marching percussion, with a special emphasis on exploring the wide variety of percussion techniques. (Spring odd years)

MUED 3220

Fundamentals of Conducting (1-1) Prerequisites: Music Theory 1340, admission as music major, or permission of instructor. A study of the fundamental principles of conducting music, including score reading, score preparation, baton techniques, and performance group motivation. (Spring)

MUED 3221

Advanced Instrumental Conducting (1-1) Prerequisites: MUED 3220, admission as music major, or permission of instructor. Required by all Instrumental Music Education majors. A study of the advanced skills of conducting, including knowledge of literature, understanding of programming, understanding of rehearsal techniques found successful at a variety of grade levels, group motivation, score reading, advanced baton/hand techniques, professional organizations, competitions and administrative details. (Fall)

MUED 3222

Advanced Choral Conducting. (1-1) Prerequisites: MUED 3220, admission as music major, or permission of instructor. Required of all Choral Music Education majors. A study of the advanced skills of conducting, including knowledge of literature, understanding of programming, understanding of rehearsal techniques found successful at a variety of grade levels, group motivation, score reading, advanced baton/hand techniques, professional organizations, competitions and administrative details specific to directing a choral education program. (Fall)

MUED 3230

Survey of Elementary Materials (2-0) Prerequisites: MUED 1305, admission as music major, or permission of instructor.

tor. A study of the general music methods for primary and intermediate grade levels. This course emphasizes the practical application of the student's knowledge of music as applied to lower grade levels. Time will be spent also applying educational rubrics of the Texas Essential Knowledge and Skills and National Standards for Music Education into lesson planning. (Spring)

MUED 3235

Vocal Pedagogy (1-1) Prerequisites: MUTH 1330, MUTH 1340, admission as music major, or permission of instructor. A study of the methods of teaching voice, including areas of anatomy, acoustics, literature and psychology of singing. Will include a survey of the history of vocal production from 1600 to present; special emphasis given to vocal training methods and styles currently in use. (Spring)

MUED 3250

Marching and Jazz Methods (1-1) Prerequisites: MUED 1305, admission as music major, or permission of instructor. This course examines basic pedagogical principles for jazz and marching band. Students will study core repertoire for big band and jazz combo ensembles, concepts of appropriate musical style, and the teaching of basic improvisation. Students will also study marching show design principles, computer-assisted show design techniques, and basic pedagogy for teaching marching fundamentals and managing a colorguard. (Fall even years)

MUED 3291

Singer's Diction I (1-1) Prerequisites: MUTH 1340, admission as music major, or permission of instructor. A study of the principles of appropriate singing diction. Specific study of the International Phonetic Alphabet (IPA) will precede an introduction to English, Italian and Latin languages. Students will be required to study and perform art songs, operatic or oratorio literature from the English, Italian and Latin vocal repertoire. (Fall)

MUED 3292

Singer's Diction II (1-1). Prerequisites: MUTH 1340, admission as music major, or permission of instructor. A study of the principles of appropriate singing diction. Specific study of the International Phonetic Alphabet (IPA) will precede an introduction to French and German languages. Students will be required to study and perform art songs, operatic or oratorio literature from the French and German vocal repertoire. (Spring)

MUED 4200

Music Teaching Practicum I (1-1) Prerequisites: MUED 1305, 3220, admission as music major, or permission of instructor. This course builds upon the student's prior training in music pedagogy and conducting. Advanced conducting techniques and psychological foundations for teaching instrumental music are explored to develop effective rehearsal skills for the ensemble setting. Appropriate methods and materials are studied, with an emphasis on addressing the Texas Essential Knowledge and Skills and National Standards for Music Education, and administrative facets of directing a music program are considered. (Spring)

MUED 4210

Music Teaching Practicum II (1-1) Prerequisites: MUED 1305, 3220, admission as music major, or permission of instructor. This course builds upon the student's prior training in music pedagogy and conducting. Advanced conducting techniques and psychological foundations for teaching choral music are explored to develop effective rehearsal skills for the ensemble setting. Appropriate methods and materials are studied, with an emphasis on addressing the Texas Essential Knowledge and Skills and National Standards for Music Education, and administrative facets of directing a music program are considered. (Fall)

MUED 4X95

Independent Studies (variable credit) An elective. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and a means of measuring progress. (As needed)

MUED XX99

Special Topics (variable credit) An elective. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (As needed)

MULH 2301

Music Appreciation (3-0) An elective for non-music majors. This course is designed for the non-music major and is specifically non-technical. This is a music appreciation survey course designed to acquaint the student with the changes in concert offerings throughout the various periods of music history and to aid in the development of the critical listening skills needed to become an active audience participant in a performance setting. (Fall, Spring) (TCCN MUSI 1306)

MULH 2380

Introduction to Music History (3-0) Prerequisites: MTH 1340, admission as music major, or permission of instructor. Required of all music majors. A survey of Western musical history from its origins through the present with special emphasis on the foundational principles established prior to 1450 CE. Topics include major technical developments and trends as well as the works of the most important composers in the period studied. (Fall)

MULH 3375

Western Music 1450-1800 (3-0) Prerequisites: MULH 2380, admission as music major, or permission of instructor. Required of every music major. A comprehensive study of Western musical history from 1450-1800 CE. Topics include major technical developments and trends, the influence of extra-musical events and context, and the lives and works of important composers. (Spring)

MULH 3380

Western Music 1800-present (3-0) Prerequisite: MULH 2380 admission as music major, or permission of instructor. Required of all music majors. A comprehensive study of Western musical history from 1800 to the present, including important trends in American music and influences from non-Western musical traditions. Topics include major technical developments and trends, the influence of extra-musical events and context, and the lives and works of important composers. (Fall)

MULH 4X95

Independent Studies (variable credit) An elective. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (As needed)

MULH XX99

Special Topics (variable credit) An elective. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (As needed)

MUSI 1000

Recital Attendance This course is required for all music majors and minors. Music majors are required to enroll in eight

Course Descriptions - Undergraduate

semesters. Music Education majors are exempt from this requirement during their semester of student teaching. Music minors are required to enroll in four semesters. A required list of recitals to attend will be published each semester. This course is pass/fail. (Fall, Spring)

MUSI 2000

Applied Proficiency Prerequisites: Admission as music major, or permission of instructor. This course is required of all music majors. The Applied Proficiency Jury is a benchmark, showing that the student is making sufficient progress towards a senior recital. Students must pass the Applied Proficiency Jury before enrolling in junior or senior-level lessons. The student will be given two opportunities to pass this proficiency. Failure after two attempts will result in withdrawal of music major status. (Fall, Spring)

MUSI 2001

Keyboard Proficiency This course is required of all music majors. Students enroll in it concurrently with their fourth semester of class piano, MUAP 1116. Students not passing the course must repeat enrollment in MUAP 1116 until the requirements of the keyboard proficiency are met. This course is pass/fail. (Fall, Spring)

MUSI 4000

Senior Recital Prerequisites: Admission as music major, or permission of instructor. See # 8 on page 109.

MUTH 1130

Aural Skills I. Prerequisites: Admission as music major, or permission of instructor. Corequisites: MUTH 1330, and class piano/completed proficiency. A study of the fundamental elements of music theory as they apply to music reading and music notation. This class will focus primarily on the acquisition of aural recognition skills and music reading skills. Students will learn to write music as it is being played, and be able to perform music using solfege, rhythmic counting and rudimentary conducting skills. (Fall)

MUTH 1140

Aural Skills II. Prerequisites: MUTH 1130 and class piano/completed proficiency, admission as music major, or permission of instructor. A continued study of the fundamental elements of music theory as they apply to music reading and music notation. This class will focus primarily on the acquisition of aural recognition skills and music reading skills. Students will learn to write music as it is being played, and be able to perform music using solfege, rhythmic counting and rudimentary conducting skills. (Spring)

MUTH 1330

Theory I (3-2) Prerequisites: Admission as music major, or permission of instructor. Corequisites: MUTH 1130 and class piano/completed proficiency. Required of all music majors and minors. A study of the fundamental elements of music with an emphasis on developing written music recognition skills. An examination of notation, scales and intervals, as well as melodic and rhythmic structure. (Fall)

MUTH 1340

Theory II (3-2) Prerequisite: MUTH 1330, admission as music major, or permission of instructor. Corequisite: class piano / completed proficiency. Required of all music majors and minors. A continued examination of traditional, common practice harmony, including part-writing practices of the 18th and 19th centuries. (Spring)

MUTH 3130

Aural Skills III. Prerequisites: MUTH 1140, admission as music major, or permission of instructor. Corequisite: class piano/completed proficiency. Required of all music majors. The continued

study of expanded 18th C part-writing in dictation, with a further emphasis on the acquisition of aural recognition skills and music reading skills. Students will refine ability to write music as it is being played, and be able to perform music using solfege, rhythmic counting and rudimentary conducting skills. (Fall)

MUTH 3140

Aural Skills IV. Prerequisites: MUTH 3130, admission as music major, or permission of instructor. Corequisite: class piano/completed proficiency. Required of all music majors. The continued study of expanded 18th C part-writing in dictation, with an added emphasis on recognition skills and music reading skills in examples of advanced harmony, chromatic harmony and multi-meter. (Spring)

MUTH 3330

Theory III (3-2) Prerequisites: MUTH 1340, admission as music major, or permission of instructor. Corequisite: class piano/completed proficiency. Required of all music majors. A study of the harmonic practices of non-traditional music, including music predating the common practice period as well as music of the 20th century (Fall)

MUTH 3340

Theory IV (3-2) Prerequisites: MUTH 3330, admission as music major, or permission of instructor. Corequisite: class piano/completed proficiency. Required of all music majors. Practical application of the student's understanding of fundamentals, harmony, and advanced harmony to the analysis of music. A study of terminology and techniques of Music Theory in a practical application of analysis. (Spring)

MUTH 4210

Forms and Styles (2-1) Prerequisites: MUTH 3340, admission as music major, or permission of instructor. An examination of small forms and combination forms, and their various applications in different stylistic periods of music. (Spring odd years)

MUTH 4250

Orchestration and Arranging (2-1) Prerequisites: MUTH 3340, admission as music major, or permission of instructor. A study of the characteristics, strengths, and limitations of various musical instruments as well as the voice. Application of this study in the transcription of Music from one media to another. The use of a computer notation program will be utilized. (Spring even years)

MUTH 4X95

Independent Studies (variable credit) An elective. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (As needed.)

NURSING

NURS 2301

Introduction to Nursing Skills (3-0) This course introduces areas of learning vital to nursing practice. These are fundamental nursing concepts and practices related to the holistic delivery of nursing care. Included are effective communication, client teaching, basic assessment skills, nutritional support, safety principles, and beginning proficiency in selected nursing skills. Skills include, but are not limited to, vital sign measurement, hygienic care, standard precaution application and medical terminology usage.

NURS 3323

Pharmacology (3-0) Discussion of the fundamental principles of pharmacology and investigation of the major classifications of drugs with emphasis on pharmaco-therapeutic actions and nursing implications will be presented. Previously learned skills and concepts as well as prerequisite science courses are integrated into the discussions. Principles of safe medication administration will be integrated throughout the course.

NURS 3324

Dimensions of Nursing (3-0) This course will explore the nurse's professional roles and values, and the interaction of the nurse with the health care delivery system. The historical development of the nursing profession will be analyzed. Important concepts integrated throughout the course are critical thinking, problem solving, legal/ethical principles, decision-making models and the contribution of nursing theory to practice. Medical terminology will be introduced.

NURS 3335

Mental Health Nursing (2-1) Physiological and psychological aspects of mental health related to acute and chronic health problems across the lifespan will be examined. The role of the professional nurse in health promotion and illness prevention are key components. Emphasis is placed on the mental health milieu that exists within a community setting.

NURS 3410

Pathophysiology (4-0) Scientific concepts related to pathophysiological process: genetic, cellular, biochemical, and disease processes in specific body systems will be discussed.

NURS 3421

Health Assessment (3-1) Assessment of the holistic person as an individual and a member of groups, families, aggregates, communities, and society (IFACS) is emphasized. The role of the nurse in health promotion throughout the life cycle is demonstrated by identifying normal findings. Emphasis will be placed on acquiring skills to record client histories, to perform physical assessment, and to communicate specific findings.

NURS 3622

Nursing Process I: Fundamentals of Nursing (3-3) Students are provided with basic knowledge of concepts inherent to the practice of professional nursing and in the care of all clients. The course lays the foundation for nursing practice based on current nursing theories, theoretical knowledge, concepts, and clinical skills. Theory is applied to practice in a variety of settings. (Fall)

NURS 3836

Nursing Process II: Nursing Care of Childbearing and Childrearing Family (5-3) Students are introduced to obstetrical and pediatric nursing concepts and care. The course focuses on normal and abnormal adaptations in the childbearing process and on growth and development of the child and conditions and illness that affect child health. (Spring)

NURS 4335

Community and Public Health Nursing (3-0) The focus of this introductory course is the presentation of key concepts, theories, and issues relevant to practice as a public health/community health nurse. The course will explore the major concepts and conceptual issues underlying the specialty of community oriented nursing, including the dimensions of public health and community health nursing. The course is intended to assist students in clarifying conceptual issues in the specialty and beginning to develop position on critical health care issues

including access to care, disparities, vulnerable population, health promotion across the lifespan, and the implementation and progress of Healthy People 2020 National Health objectives. (Online for RN-BSN students only)

NURS 4343

Nursing Theories and Research (3-0) Nursing Theories and Research provides a forum for the study of professional nursing related needs, through broadening the student's ability to read, interpret and integrate research information and theoretical models into practice. It is intended to introduce students, as beginning practitioners, to research and theory in nursing. (Online for RN-BSN students only)

NURS 4352

Leadership and Management (3-0) This course involves principles of professional nursing that provide the student opportunities to synthesize and grate learning experiences with contemporary practice. Health care as it is delivered in the United States today will be examined by considering the organizational socio-political, economics, legal, and cultural context on which health care delivery is based for the practicing profession. (Online for RN-BSN student only)

NURS 4360

Professional Nursing Transitions (3-0) This course is designed for the RN student who is seeking a baccalaureate degree. The course is designed to promote transition to roles that enhance professional practice and growth built on prior nursing education and experience. The primary audience is RN's returning to school to obtain a bachelor's degree. The purpose is to intellectually engage RN's in an ongoing professional dialog with peers, colleagues, and faculty, to broaden RN's professional development and build on RN's pre-existing knowledge and experience. (Online)

NURS 4362

Joining Forces: Understanding the Visible and Invisible Wounds of War (3-0) Interdisciplinary online course exploring therapeutic treatment methods in the acute care and community settings for service-members, veterans, and family members in order to reduce the visible and invisible wounds of war. (Online)

NURS 4364

Health Behaviors: Promotion and Prevention (3-0) This course will review theory, research and methods for health promotion, protection, and prevention of disease and injury. This course will outline behaviors that will equip the professional nurse to increase and ingrain healthy lifestyles into her/his practice in order to better educate individuals, health care providers, and populations. In addition, this course will help the professional nurse develop policies that utilize Healthy People 2020 National Health Objectives for their communities and its constituents. (Online)

NURS 4366

Introduction to Faith Community Nursing (3-0) The course introduces students to the role of the Faith Community Nurse within pastoral, social service, and community health venues. Focus is placed on the core concepts of spiritual formation; professionalism; shalom as health and wholeness; community; and incorporating culture and diversity. Emphasis is placed on providing a better understanding of the theoretical relationship between religious practices and the health of the community as a basis for developing and leading practical initiatives. Exploration into the characteristics of healthy congregations that are critical to the formation of coherent, healthy, and whole neighborhoods and communities is provided. The nurse's leadership qualities and practices that assist faith communities to build their capacities for collaboration with their public sector partners are also explored. (Online)

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NURS 4368

Care of Vulnerable Populations (3-0) This course will teach nurses how to conceptualize the care of high-risk individuals and groups into their professional practice. Nurses will encounter a tremendous shift in their roles and responsibilities through the application of concepts, theories, ethics, policy, program planning and development, advocacy, and nursing practice. (Online)

NURS 4370

Lab and Diagnostics Lab and diagnostics studies (3-0) Elective.

Rationale for studies, expected and abnormal findings, clinical implications, procedures involved in pre-test/post-test care of the client undergoing studies.

NURS 4371

Health Care Missions (3-0) Elective. This course will provide the student a foundation for health care strategies that will be used to serve and evangelize in cross cultural environments. The student will be introduced to strategies for learning culture and language as well as communicating and educating cross culturally.

NURS 4372

Perioperative Nursing (3-0) Elective. The focus of the course is care of the client during the perioperative period and the nursing responsibilities inherent in caring for this unique client. Clinical experience includes activities in the preoperative, intraoperative, and postoperative stages. Legal and ethical concerns during the perioperative period will also be explored.

NURS 4373

Care of the Terminally Ill (3-0) Elective. This course examines the components of providing holistic care for the dying client. Emphasis is placed on providing a comfortable environment for the client, including pain management and management of other symptoms. Facilitating communication among client, family, and members of the interdisciplinary health care team is an essential part of providing quality care at the end of life. Psychosocial and spiritual needs of the dying client are discussed.

NURS 4453

Professional Nursing Practicum (0-4) Comprehensive clinical experience for the student to assist in the transition from student to professional nurse will be provided. Students will have opportunities to synthesize and integrate previous learning and apply it to clinical practice. The student will work directly with a professional nurse during the clinical experience in a self-directed independent position. This course is pass/fail.

NURS 4380

Introduction to Public Health (3-0) The interdisciplinary course will provide a history and broad overview of the public health system including definition, origins, evolution, and contemporary structure and administration at the federal, state, and local levels in the United States. In addition, it will provide a broad framework for understanding the mission, key concepts, principles, and practices of population-based public health practice through an introduction to five core disciplines: epidemiology, biostatistics, environmental health, and health policy and management. Through the use of case studies and interactive modalities, students will have an opportunity to see how basic concepts may be applied in real-world settings.

NURS 4382

Health Care issue and Policy (3-0) This interdisciplinary course focuses on health policy and issues that affect consumers of health care and nursing practice. The organization of the health care system and the policy making process are

explored and the legal, political, economic, social and environmental influences are analyzed. Selected topics are examined to help students analyze issues, compare and contrast multiple views on issues, and formulate appropriate responses to health care policy.

NURS 4483

Fundamentals of Epidemiology (4-0) The course will examine principles of epidemiology and basic biostatistics in the context of real world public health issues. The major focus is on the use of sound epidemiological judgment with an emphasis on understanding, rather than the mechanics of calculation. A series of case studies are used to teach the principles and practice of epidemiology, ranging from surveillance and descriptive epidemiology to outbreak investigations and analytic methods. A variety of interactive modules are used to facilitate learning and provide opportunities to explore specific topics in greater detail. This course will be offered in an online delivery format. (Online)

NURS 4484

Health Care Disparities (4-0) This course will explore the health disparities at the national and global level, and the impact of health disparities on public health. The course focuses on theoretical and methodological strategies for studying health disparities as well as empirical evidence supporting the existence of different health disparities and explanations for understanding and ameliorating them. Significant attention will be given to the idea that health and access to health care is a basic human right in a just society.

NURS 4485

Critical Issues in Global Health (4-0) The course introduces students to global public health issues of two kinds including, fundamental cross-cutting issues such as the relationship between global health and economic development, and selected thematic areas such as child survival, HIV/AIDS, and global tobacco control. The course will contextualize current efforts in global health from historical and likely future trends. Readings will be drawn from a range of disciplinary perspectives, including nursing, history, political science, economics, sociology, and anthropology. A major goal of this course is to equip students with selected critical perspectives and the resources needed as public health professionals and global citizens within an increasingly smaller, complex and interdependent world.

NURS 4651

Nursing Process IV: Critical Care Nursing (4-2) Examination of physiological and psychological adaptation to responses dealing with stressors/ stimuli related to acute and critical health problems. Emphasis is on clients experiencing critical physiological deviations. (Spring)

NURS 4846

Nursing Process III: Critical Care Nursing (5-3) Examination of physiological and psychological adaptation to responses dealing with stressors/ stimuli related to acute and serious health problems. Emphasis is on clients who experience physiological deviation. (Fall)

PHILOSOPHY

PHIL 2350

Introduction to Philosophy (3-0) Prerequisites: None. For all students. Satisfies 3 hours general education requirement for Critical Reasoning. This course acquaints students with the fundamental problems of philosophy and the cardinal issues confronted in major areas of philosophy, aimed at giving historical background in philosophical, scientific, and religious traditions as well as providing resources for understanding issues and problems of contemporary society. (Fall, Spring) (TCCN PHIL 1301)

PHIL 2360

Logic (3-0) Prerequisites: None. Satisfies 3 hours general education requirement for Critical Reasoning. This course analyzes the principles of sound reasoning with regard to the development of clear thought and articulate expression. The course provides a basic introduction to informal and formal logic; traditional and symbolic deductive logic; the logic of the sciences and the philosophy of language. (As needed)

PHIL 3300

History of Ancient Philosophy (3-0) Prerequisites: PHIL 2350 or permission of instructor. For all students. May count as advanced elective credit. This course examines the development of the basic problems and perspectives of Ancient Greek and Roman philosophical thought, with major attention to the Presocratic period; Socrates, Plato, and Aristotle; Epicureanism, Stoicism, Skepticism, and Neoplatonism (As needed)

PHIL 3305

Medieval Philosophy (3-0) Prerequisites: PHIL 2350 or permission of instructor. For upper level students. May count as advanced elective credit. This course examines the main problems, influences and major thinkers of the Middle Ages; the origins of Christian philosophy, its development through the early and later Middle Ages; Scholastic philosophy and its critics. (Fall even years)

PHIL 3310

History of Modern Philosophy (3-0) Prerequisites: PHIL 2350 or permission of instructor. For upper level. May count as advanced elective credit. This course examines the main developments in modern philosophy from the Renaissance and Seventeenth Century to the post-Hegelian philosophies of the Nineteenth Century, showing the relation of philosophical theories to the political, economic, religious, and cultural aspects of modern society. (Spring even years)

PHIL 3325

Symbolic Logic (3-0) Prerequisites: None. For upper level students. May count as advanced elective credit. The course is an introduction to the concepts, methods and theory of Modern Logic, with emphasis on acquiring basic skills for analytical reasoning and expression, proofs of validity, and understanding the nature and application of formalized logic systems. (Spring even years)

PHIL 3330

Topics in Ethics (3-0) Prerequisites: PHIL 2350 or permission of instructor. For upper level students. May count as advanced elective credit. Classical and modern theories of value and morality posing alternative views of responsibilities to self and society; designed to assist in application of ethical principles in contemporary society. (Fall odd years)

PHIL 3340

Great Books in Political Philosophy (3-0) Prerequisite: PHIL 2350 or permission of instructor. A study of the nature and foundation for political society and the state, basis for political obligation, and rights of the State vs. those of individuals. Representative figures include Nozick, Rawls, Rousseau, Hegel, and Marx.

PHIL 3341

Classical German Political Philosophy (3-0) Prerequisites: PHIL 2350 or permission of instructor. This course traces the development of classical German political philosophy from Kant through Fichte, the romantics, and Hegel to Marx. Selected topics include: classical liberalism vs. communitarianism, the nature of political obligation, and rights. (As needed)

PHIL 3345

Philosophy of Mind (3-0) Prerequisites: PHIL 2350 or permission of instructor. A study of the mind-body problem with particular attention to materialism, the nature of consciousness, qualia, and artificial intelligence. Or, a study of the nature of human action with special attention to intentionality, practical rationality, and moral psychology. Course may be repeated for credit with permission of instructor. (As needed)

PHIL 4300

Religious Epistemology (3-0) Prerequisites: PHIL 2350, a 3000 level PHIL course, or permission of instructor. A study of the nature and foundation of knowledge and the ultimate nature of reality. Issues include skepticism and justification, internalist vs. externalist accounts of knowledge, the status of universals, free will vs. determinism, and realism vs. anti-realism. Designed primarily for philosophy minors or students with advanced standing in philosophy. Course may be repeated for credit with permission of instructor. (As needed)

PHIL 4310

Contemporary Philosophy (3-0) Prerequisites: PHIL 2350, a 3000 level PHIL course, or permission of instructor. For upper level students. This course covers the main philosophical movements and individual thinkers of the 20th century; including idealism, realism, pragmatism, logical positivism, scientific empiricism, phenomenology, linguistic analysis, existentialism, deconstruction and philosophical hermeneutics. (As needed)

PHIL 4320

Philosophy of Religion (3-0) Prerequisites: None. Cross-Listed in Religion. For upper level students. May be counted for advanced Religion credit. This course examines the conceptual basis and logic of religious commitment. Emphasis on the varieties of theism together with appraisals of competing views, rational grounds for belief in God, the problem of evil, and human destiny. Issues will be related to contemporary theology. (As needed)

PHIL 4X95

Independent Studies (variable credit) For minors. This is a study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (As needed)

PHIL 4X96H

Honors Tutorial (variable credit) Prerequisites: 12 hours in philosophy and admission to departmental honors program. The course concentrates on a major area or complex of problems in philosophy, draws on relevant contemporary and classical sources, and will cultivate the student's ability to think and write philosophically. The course requires weekly conferences with the instructor. (As needed)

PHIL 4X97H

Senior Thesis (variable credit) Prerequisites: 12 hours in philosophy, admission to departmental honors program and approval of thesis project by department and honors committee. Findings will be reported in writing and orally to an appropriate forum. (As needed)

PHIL 4398

Senior Seminar (3-0) Prerequisites: 15 hours of philosophy. For honors students, majors or minors or advanced elective credit. This course concentrates on one, two, or three of the classic philosophers or philosophical problems. Students taking the course for honors credit must enroll concurrently in PHIL 4X97*, Senior Thesis, and complete the thesis as part of this course. (As needed)

Course Descriptions - Undergraduate

PHIL XX99

Special Topics (variable credit) For minors. This course is offered occasionally to groups of students to broaden departmental curricula, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (As needed)

PHYSICS

PHYS 1401

Introduction to Astronomy (3-3) Prerequisites: None. This course is intended for non-science majors. Optional course for general education requirements in Natural Science. This is a survey course covering the solar system, stars, and galaxies including modern cosmology. No mathematics preparation beyond high school algebra and geometry is assumed. (Fall or Spring) (TCCN PHYS 1411)

PHYS 1410

General Physics I (3-3) Prerequisites: MATH 1311 and working knowledge of trigonometry. This is the first part of a two-course series intended for students in the fields of natural science or mathematics and for those following the pre-medical curricula. This course covers the fundamentals of mechanics, including motion, vectors, forces, momentum, rotational motion, gravity, mechanical energy, and possibly sound. Emphasis is placed on the concepts and problem solving techniques of physics. (Fall) (TCCN PHYS 1401)

PHYS 1420

General Physics II (3-3) Prerequisite: PHYS 1410. This is the second part of a two-course series intended for students in the fields of natural science or mathematics and for those following the pre-medical curricula. This course covers the fundamentals of sound, heat, thermodynamics, electrostatics, direct current circuits, magnetostatics, light, and some optics. Emphasis is placed on the concepts and problem solving techniques of physics. (Spring) (TCCN PHYS 1402)

PHYS 2301

Engineering Drafting (3-0) Prerequisite: MATH1311. This course introduces students to 3D drafting, the prototype development process, and 3D printing. Students will learn methods for developing first-run parts as well as revisiting designs and making changes to improve function. Topics include design efforts on computer aided drafting software, principle practices for drafting, how to use software to perform a virtual test on part designs, and using 3D printing for producing physical models of parts. (Spring, even years)

PHYS 2310

Automated Experimental Measurements (2-3). Prerequisites: PHYS2520 or instructor's permission. This is a required course for Physics majors. This course serves as an introduction to electronic lab equipment and use thereof for automated experiment, an important tool of modern scientific exploration. Through the use of LabVIEW, a graphical programming engine with roots in C++, students will learn how to program in LabVIEW, use analog and digital input/output, control and read transducers; develop systems for motion control, and interfacing with high level electronic devices. This course is a transformation from general physics knowledge to upper level physics. Students entering their junior year of physics curriculum will find this course useful for improving their research skills before they enter the upper division courses requiring experimentation. (Fall)

PHYS 2510

University Physics I (4-3) Corequisite: MATH 2421. This is the first part of a two-part series intended for Physics majors and those intending to pursue an engineering degree. It is also recommended for Math, the sciences, and Computer Science majors who are comfortable with differential calculus. This course covers the fundamentals of mechanics: motion, vectors, forces, momentum, rotational motion, gravity, mechanical energy, and possibly sound. Emphasis is placed on calculus-based problem solving skills. (Fall)

PHYS 2520

University Physics II (4-3) Prerequisites: PHYS 2510, MATH 2421. Corequisite MATH 2322. This is the second part of a two-part series intended for physics majors and those intending to pursue an engineering degree. It is also recommended for Math, the sciences, and Computer Science majors who are comfortable with differential and integral calculus. This course covers the fundamentals of sound, heat, thermodynamics, electrostatics, DC circuits, magnetostatics, light, and some optics. emphasis is placed on calculus-based problem solving skills. (Spring)

PHYS 3270

Advanced Physics Laboratory (1-3) Prerequisite: PHYS 3300. This is a required course for physics majors. This course is intended to advance the student's practice and experience in physical measurements and serve as an introduction to the techniques and instruments used in experimental research in optics, atomic and nuclear physics, and astrophysics. This is an experience-enriched course. (Spring)

PHYS 3300

Introduction to Modern Physics (3-0) Prerequisite: PHYS 2520. This is a required course for physics majors. This course is intended to introduce the student to a wide range of areas under the heading of Modern Physics. These areas include relativity theory, atomic and nuclear physics, quantum mechanics, and elementary particle physics. (Fall)

PHYS 3315

Engineering Statics (3-0) Prerequisites PHYS 2510, MATH 2322. This course is an advanced elective for physics majors who intend to attend an engineering program. The course covers vector analysis of force systems, resultants, equilibrium, distributed forces, moments, trusses and frames, and friction. (Alternate Falls)

PHYS 3325

Engineering Dynamics (3-0) Prerequisite PHYS 3315. This course is an advanced elective for physics majors who intend to attend an engineering program. The course covers vector analysis of particles and rigid bodies using Newton's Laws, impulse-momentum, and work-energy. (Alternate Springs)

PHYS 3350

Electronics (2-3) Prerequisite: PHYS 2520. This course will introduce students to the basic electronic devices which comprise most electronic equipment. Topics include general circuitry, diodes, transistors, oscilloscopes, power supplies, and a touch of digital electronic devices such as op-amps and logic gates. Laboratory exercises are an integral part of the course. (Spring as needed)

PHYS 3352

Digital Electronics (2-1) This course is required for electrical engineering focus students, but serves as an elective for other physics students. This course focuses on modern, digital electronics and integrated circuits, microprocessors, Boolean logic, and analog to digital devices. In lab, students will use modern test stand equipment and software to explore different integrated circuits and microprocessors. (Alternate Falls)

PHYS 4175

Physics Research Proposals (1-0) Prerequisite: Students must have completed the equivalent of a physics minor. This course is a requirement for the major. Students will use this semester to investigate the feasibility of a research project of their choice. Students who are following Mechanical Engineering concentration must chose a project involving design and fabrication of a mechanical device. The project may be designed for an individual or for a team. The course consists of weekly meetings to discuss the progress and possible refinement of the project. The result of the course will be a feasibility report, budget proposal, project schedule, and formal presentation to the Society of Physics Students. If the project is determined to be feasible, including budget, it satisfies the prerequisite for the Senior Capstone course. (As needed)

PHYS 4275

Physics Research Project (1-3) Prerequisite: Completion of PHYS 4175 with a feasible project, budget, and research plan. This course is a requirement for the major and serves as the *Capstone Experience* for the major. Using the project plan developed in PHYS 4175, students will use this semester to carry *Capstone Experience* for the major. Using the project plan developed in PHYS 4175, students will use this semester to carry out the research previously proposed. Students who are following Mechanical Engineering concentration must carry out a project involving design and fabrication of a mechanical device. The project may be performed by an individual or by a team as determined by the proposal. The course consists of weekly meetings to discuss the progress and possible refinement of the project as well as a regular lab schedule during which the work is done. The result of the course will be a written report (suitable for journal submission) and formal presentation to the Society of Physics Students (or at a conference). (As needed)

PHYS 4300

Classical Mechanics (3-0) Prerequisites: PHYS 2520, MATH 3341. This is a required course for Physics majors. The first of two parts, this course is an in-depth study of kinematics, dynamics, central force motion, harmonic motion, and related areas of Mechanics. A strong mathematical focus, using Lagrangian and Hamiltonian formalism, is taken. (Alternate Falls)

PHYS 4302

Classical Mechanics II (3-0) Prerequisites: PHYS 4300, MATH 2340; Corequisites: MATH 3301. This course serves as an advanced elective for physics majors. The second of two parts, this course applies the methods of Classical Mechanics developed in PHYS 4300 towards complicated oscillatory systems, the motion of rigid bodies, and related areas of Mechanics. Mechanics of continuous media may be considered. (Alternate Springs)

PHYS 4310

Electricity & Magnetism (3-0) Prerequisites: PHYS 2520, MATH 3301. Corequisite MATH 3341. This is a required course for physics majors. The first of two parts, this course will cover such topics as vector analysis, electrostatics, Gauss' Law, multipoles, BVP, dielectrics, and steady currents. (Alternate Falls)

PHYS 4312

Electricity & Magnetism II (3-0) Prerequisite: PHYS 4310. This course is required for physics students with electric engineering focus and serves as advanced elective for other physics students. The second of two parts, this course will cover such topics as magnetostatics, Ampere's law, Faraday's Law, Maxwell's equations, and radiation. (Alternate Springs)

PHYS 4330

Quantum Mechanics (3-0) Prerequisites: PHYS 4300, MATH 3301. Corequisite MATH 3351. This course is required for physics and electrical engineering focus students, but serves as an advanced elective for students with civil/mechanical focus. This course offers an introduction to quantum mechanics, including such topics as wave mechanics, Schrodinger's equation and its applications, barrier problems, harmonic oscillators, angular momentum, and applications to atomic and molecular processes. (Alternate Springs)

PHYS 4335

Solar System Physics (3-0) Corequisite: PHYS 3300. This course is an advanced elective for physics majors. Topics include the formation of the solar system, Kepler's Laws, the planets, and an introduction to plasma physics. Satellite and telescope instrumentation will also be discussed. (As needed)

PHYS 4360

Thermodynamics (3-0) Prerequisite: PHYS 3300; Corequisite: MATH 3301. This course is required for physics and civil/mechanical engineering focus students, but serves as an advanced elective for students with electrical engineering focus. The first of two parts, this course will concentrate on fundamental principles of classical thermodynamics. It will cover such topics as three laws of classical thermodynamics, thermodynamic potentials, thermodynamic equilibrium and phase transitions, transport, and kinetic phenomena. Different applications of these principles towards engines and various electric, magnetic, and chemical processes will be considered. (Alternate Springs)

PHYS 4362

Thermodynamics II (3-0) Prerequisite: PHYS 4360, Corequisites: PHYS 4300, MATH 3351. This course serves as an advanced elective for physics majors. The second of two parts, this course will concentrate on fundamental principles of statistical thermodynamics. It will show how these principles are related to classical thermodynamics and classical mechanics. It will consider application of those principles towards simple microscopic models of gases, liquids, and solids. More in-depth study of phase transitions and physical kinetics is also possible. (Alternate Falls)

PHYS 4385

Solid State Physics (3-0) Prerequisites: PHYS 3300 and any two 4000-level physics courses or permission of instructor. This course serves as an advanced elective for physics majors. The course will cover the physics of materials in the solid state, such as crystal properties, electron behavior, lattice behavior, energy bands, semiconductors and other materials, and simple electronic devices. (As needed)

PHYS 4X95

Independent Studies A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress.

PHYS 4X96H

Honors Tutorial. Prerequisite: See requirements for Honors for Physics majors. This course provides the Honors student in Physics with the opportunity to explore more advanced topics in the field. It may be taken concurrently with an upper level Physics course, or as an independent study. This course may be repeated if content differs. (As needed)

Course Descriptions - Undergraduate

PHYS 4X97H

Honors Thesis/Project. Prerequisites: See requirements for Honors for Physics majors. This course provides the Honors student in Physics with the opportunity to pursue a research topic under the direction of a Physics faculty member. The project will result in a final presentation (written and oral) to an appropriate audience. (As needed)

PHYS XX99

Special Topics A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary.

PREP FOR HEALTH PROFESSIONS

PREP 2105

Seminar in Health Professions I (1-0). Prerequisites: None. This is an elective course not counting for credit in any major. An introduction into the expectations and requirements for admission to a health profession school. Students will research professional programs of interest; begin developing application specific elements; formulate a four-year plan of action; and pursue field experience with practitioners. This course is pass/fail. (Fall)

PREP 2106

Seminar in the Health Professions II (1-0). Prerequisite: PREP 2105. This is an elective course not counting for credit in any major. Students will refine application specific elements; complete a mock professional school application; prepare for an interview; explore the life of a professional school student; finalize their application portfolio; and prepare, review, and participate in practice entrance exams. This course is pass/fail. (Spring)

POLITICAL SCIENCE

POSC 1310

Introduction to Politics (3-0) Prerequisites: None. A required course for majors and minors. An introductory course to the discipline of Political Science that examines significant issues in politics from a variety of discipline-specific perspectives. Students, for example, will study the different governing institutions in developed and developing states, how these institutions promote or hamper political freedoms and civil rights, and how different political cultures shape political ideologies. (Fall, spring)

POSC 2310

American National Government (3-0) Prerequisites: None. A required course for majors, minors, and students in teacher education programs. Optional for the general education requirement in Global, Societal, and Personal Perspectives Society and Self section. An introductory course which surveys the historical origin, the constitutional basis, the forms, powers, and functions of the federal government. (Fall, Spring) (TCCN GOVT 2305)

POSC 2320

State Government (3-0) Prerequisites: None. However, students in teacher education programs are advised to take POSC-2310 first. Optional for majors and minors, and required for Social Studies minors. An introductory course on state and federal relations. An intensive study of the government of Texas. (Fall, Spring) (TCCN GOVT 2306)

POSC 234A (A-Z)

Politics Outside the Box (3-0) Prerequisite: None. This course takes a multi-focused approach to studying the intersection of politics with phenomena in a number of non-traditional settings. The ways in which politics intertwines with sport, music, the media, religion, and/or film, will be the topical points of inquiry.

POSC 2350

Contemporary Global Issues (3-0) Prerequisites: None. This course will satisfy the general education requirement in Global, Societal, and Personal Perspectives, World section. In this course, students will learn about key contemporary global issues, such as human rights, globalization, and democratization, and examine how these issues impact countries across the globe. Students also will analyze the extent to which these issues have changed different countries' understanding of how they fit into the larger global community. (Fall, Spring)

POSC 3305

Campaigns and Elections (3-0) Prerequisite: POSC 2310. Optional for majors and minors. This course is offered every other fall semester coinciding with the federal election cycle. It will examine the elections as they unfold, studying historical trends and the current political situation. How candidates campaign for office will be an important focus of this class. (Fall even years)

POSC 3310

Political and Cultural Geography (3-0) Prerequisites: None. Optional for majors and minors. A required course for students in the Social Studies minors. A study of the interaction between human culture and its environment, and including urban growth, national development, regions, economic development, and influence of geography on history. Focus at local, state, national, and global levels. (Spring)

POSC 3350

Comparative Politics (3-0) Prerequisites: POSC 2310 or POSC 2350. A required course for majors and minors. This survey course analyzes similarities and differences across a variety of governing systems, through a survey of two countries within each of the following categories: established democracies (e.g., UK and France), communist and post-communist countries (e.g., Russia and China), and less developed countries. The US is used as a reference for comparison across all three categories. (Fall)

POSC 3355

International Relations (3-0) Prerequisites: POSC 2310 or POSC 2350. A required course for majors and minors. This survey course analyzes various perspectives on inter-state behavior in the international system, with particular emphasis placed on understanding conditions under which war, or peace and cooperation, are more likely to occur. Topical issues also analyzed include: redefining security in the 21st century; the role of non-governmental entities in influencing inter-state behavior (e.g., terrorist organizations, or the UN); and conventional and nuclear weapons arms control. (Spring)

POSC 3360

Modern Political Philosophy (3-0) Prerequisite: POSC 2310 or 2350. A required course for majors and minors. This course surveys the contributions to modern political philosophy made by major political philosophers, political leaders, as well as noteworthy intellectuals from Machiavelli to Mill., and others. (Fall)

POSC 3365

International Organizations (3-0) Prerequisites: POSC 2350 or 3355. Optional for majors and minors, and is strongly recommended for students wishing to take Model UN (POSC 3375). In this course, students will learn about international organizations (IOs), as agents coordinating policies approved by countries and as autonomous actors in their own right. This course begins with an examination of the history and evolution of IOs, and then focuses on one or two major IOs of the 21st century, such as the United Nations (UN) or the European Union (EU). Students taking this course also will have an opportunity to attend a Model UN conference. (Fall even years)

POSC 3375

Model United Nations (3-0) Prerequisite: Permission of the Instructor. Intended for majors, minors, and all other students interested in the Model UN program. This course also may be used as a major elective for Multidisciplinary Studies I, II, III. This course is designed to introduce students to the structure and functions of the United Nations, and to prepare students to role-play specific countries at local and national Model UN conferences. Students in this course are expected to attend the National Model UN in New York. (Spring)

POSC 4330

Congress (3-0) Prerequisite: POSC 2310. Optional for majors and minors. A study of the power, roles, and institutional constraints of the legislative branch of the federal government. This course will examine how the Senate and the House of Representatives operate both as individual chambers and in tandem with other branches of government. (Fall odd years)

POSC 4335

Presidency (3-0) Prerequisite: POSC 2310. Optional for majors and minors. This class is a study of the roles, powers, and institutional constraints of the chief executive of the federal government. This class will study the history of the presidency and how its powers have evolved since George Washington. Special attention will be paid to its relationship with other branches of government. (Spring even years)

POSC 4340

American Foreign Policy (3-0) Prerequisite: POSC 2310 and junior or senior standing. Optional for majors and minors. This course uses simulations and creations of alternative histories to convey the opportunities and costs associated with internationally focused and isolationist foreign policies. Particular emphasis is placed on historical and current US policies toward its neighbors in the Western Hemispheres, the rise and decline of the US as a global hegemon, the Cold War and the US - UN relationship. This is a capstone course for Political Science. (Fall odd years)

POSC 4350

The Supreme Court and Constitutional Law (3-0) Prerequisites: POSC 2310 and junior or senior standing. Optional for majors and minors. The study of the Supreme Court as an equal and independent branch of government with a focus on its members, both past and present, and its role as final interpreter of the Constitution. This is a capstone course for Political Science. (Spring odd years)

POSC 4360

International Political Economy (3-0) Prerequisite: POSC 2310. Optional for majors and minors. This course examines the philosophical origins of and alternatives to economic and political liberalism, with particular emphasis on the creation and

evolution of the international trading and monetary system established by the US immediately following World War II. Contemporary topics include the WTO and regional trading blocks, and their impact on the global economy. (As needed)

POSC 4365

Political Change, Movement, & Struggle (3-0) Prerequisites: POSC 3350 and junior or senior standing. This course takes a multifaceted approach to the study of political processes in both advanced industrial countries and third-world nations. Processes such as democratization, social movements, terrorism and revolutions, among others, will be analyzed and explained according to their theoretical underpinnings.

POSC 4388

Internship (3-0) Prerequisite: POSC 2310. A work-study program open to advanced majors in political science. This course fulfills the department's experiential learning requirement. Students are required to work a total of 150 hours, keep a daily journal, and write a feed-back report assessing their internship experience. Can be taken only once for credit towards the major, but can be repeated once for elective credit. With the approval of the instructor. (Fall, Spring)

POSC 4X96H

Honors Tutorial (4-0) Prerequisites: 15 hours in political science and admission to the departmental honors program. Designed for the honors student in political science; includes intensive reading on a selected topic, analysis, and research. (Fall, Spring)

POSC 4X97H

Senior Thesis (4-0) Prerequisites: 18 hours in political science, admission to the departmental honors program, and approval of the research project by department and Honors Committee. Designed for the honors student in political science. An independent research project on a topic approved by the political science faculty; findings reported in writing and orally to the faculty of the department. Successful completion is required for graduation with honors in political science. (Fall, Spring)

POSC XX99

Special Topics (3-0) Prerequisites: None. Optional for majors and minors. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit towards the major when topics vary.

PSYCHOLOGY

PSYC 1340

General Psychology (3-0) Prerequisites: None. Designed as a course for anyone interested in psychology, and is required for psychology majors, minors, and nursing majors, and is optional for the General Education Requirement for Personal and Global Perspectives. This course is an overview of the scientific study of factors underlying human and animal behavior. Topics include physiological bases of behavior, learning, development, personality theories, social interaction, psychological disorders, and therapy. (Fall, Spring, May) (TCCN PSYC 2301)

PSYC 2360

Developmental Psychology: The Human Life Cycle (3-0) Prerequisites: None. Designed as a course for anyone interested in psychology. Course is required for psychology, and nur-

Course Descriptions - Undergraduate

sing majors, and is an elective for all others. This course is an introduction to the individual's personal development and change throughout the life span. (Fall, Spring) (TCCN PSYC 2314)

PSYC 3301

Human Cognition and Learning (3-0) Prerequisite: PSYC 1340. This course is required for psychology majors and is an elective for other students. This course is a survey of cognitive and learning theories. Topics include, elemental and higher-order cognitive processes, classical and operant conditioning, motivation, physiological aspects of learning, and computer modeling theories of learning. (Fall)

PSYC 3305

Research Methods and Statistics I (3-0) Prerequisite: MATH 1311 or equivalent. The first of a required two course sequence, this course is an integrated survey of the basic methods and statistics employed in social and behavioral science research. This course emphasizes the link between common research methodologies and the elementary statistics used to describe and interpret results. Topics include; the philosophy of science and the scientific method, the ethics of social research, validity and reliability, sampling, and creating and using tests, surveys, and objective measures. (Fall)

PSYC 3306

Research Methods and Statistics II (3-0) Prerequisite: PSYC 3305. The second of a required two course sequence, this course is an integrated survey of the basic methods and statistics employed in social and behavioral science research. This course emphasizes the link between common research methodologies and the elementary statistics used to describe and interpret results. Topics include descriptive statistics, correlation, experimental and quasi experimental designs, single participant experiments and longitudinal studies, and research with categorical data. (Spring)

PSYC 3310

Language: Mind, Brain and Society (3-0) Prerequisites: None. Counts as an elective for Psychology majors and minors. The course focuses on defining the nature of human language, the linguistic structure of the English language, and how the knowledge of linguistics, psychological, neurological, and social foundations of language is useful for teaching and learning. (As needed)

PSYC 3320

Personality Psychology (3-0) Prerequisite: PSYC 1340. Counts as an elective for all psychology majors and minors. This course involves a detailed investigation of the processes responsible for normal and abnormal personality formation. Topics include contemporary and historical models of personality, their assumptions, structures, research methods, assessment techniques, and findings. (Fall)

PSYC 3330

Multicultural Psychology (3-0) Prerequisites: PSYC 1340, three additional advanced hours in psychology, and junior or senior standing. This course is designed as an upper level elective for psychology majors, minors and other interested students. This course will explore the psychosocial concept of culture and its elements as well as cross-cultural interactions. Topics include: ethnocentrism and cultural relativism; interaction of culture, language and thought; constructing emotions and identities in different cultures; life stages and rites of passage in different cultures; family structure in different cultures (monogamy vs. polygamy); cannibalism and violence; the role of reciprocity, and cultural contact. (Spring)

PSYC 3340

Social Psychology (3-0) Prerequisites: PSYC 1340
All psychology majors are required to take Social Psychology (PSYC 3340) and this course counts as an elective for psychology minors. This course is a survey of the ways in which interpersonal events and cultural forces can affect attitudes, social learning, perception, and communication by the individual and the group. (Fall, Spring)

PSYC 3350

Psychology and Christianity Seminar (3-0) Prerequisites: PSYC 1340, three additional advanced hours in psychology, and junior or senior standing. This course is designed as an upper level elective for psychology majors and minors. This course will compare and contrast the worldview assumptions of prominent secular and Christian psychological thinkers. Topics explored within this framework include revelation and science, faith and belief, morality and the nature of humanity, sex and love, suffering and death. (Fall)

PSYC 3382

Positive Psychology and Mental Health (3-0) Prerequisite: PSYC 1340. Intended as an elective for majors and minors in psychology. This course is a study of the prevention and correction of maladjustment and the development of the wholesome personality. Strong emphasis is placed on the contributions that the behavioral sciences make to the understanding of the individual. (Spring)

PSYC 3385

Gerontology (3-0) Prerequisites: PSYC 1340 and 2360 or permission of instructor. Intended as an elective for majors and minors in psychology who have an interest in learning about and working with the elderly. This course involves a study of the aging process, including the physical, psychological, and social influences on aging. It includes an analysis of the services available and needed by the elderly. (Fall odd years)

PSYC 3390

Psychopharmacology (3-0) Prerequisite: PSYC 1340. Intended as an elective for psychology majors and minors who are interested in the role of chemicals in influencing behavior. This course studies the relationships among most common drugs, biochemical processes of the central nervous system, and behavior. The common uses of these drugs in various clinical and medical therapies, substance abuse, and treatment methods are also stressed. (As needed)

PSYC 4300

Abnormal Psychology (3-0) Prerequisites: PSYC 1340 and junior or senior standing. This course is designed for all persons with an interest in psychological disorders and is an upper level elective for psychology minors, but is required for majors. This course is concerned with an analysis of maladaptive behavior including mood, anxiety, psychotic, and personality disorders, as well as substance abuse, somatoform disorders, brain dysfunction, and dissociative disorders. Classification, etiology, prevention, and treatment of abnormal behaviors are also examined. (Fall, Spring)

PSYC 4315

Psychological Tests and Measurements (3-0) Prerequisites: PSYC 1340, three additional advanced hours in psychology, and junior or senior standing. Intended for those students who seek training in administering and evaluating psychological tests. It is an upper level elective for psychology majors intended for those students who seek an introduction to the administration and evaluation of psychological tests. This course is designed as a survey of a wide variety of group and individual psychological tests. Students administer, score, and interpret selected tests. Topics include test validity, reliability, objectivity, standardization, and meaning of tests and measurements in psychological and educational settings. (Fall odd years)

PSYC 4320

Psychology of the Criminal Mind (3-0) Prerequisites: PSYC 1340, three additional advanced hours in psychology, and junior or senior standing. Intended for all students with an interest in psychology and criminal justice. An upper level elective for psychology majors and minors, and all other interested students. This course is designed to provide the student biological, psychological, and sociocultural theoretical explanations for criminal behavior. Research findings and the treatment and handling of criminals from a mental health perspective are examined. Emphasis is placed on understanding the behavior and thought processes of psychopaths. The use of mental health professionals within the criminal justice system is also discussed. (Fall even years)

PSYC 4330

History and Systems of Psychology (3-0) Prerequisites: PSYC 1340, three additional advanced hours in Psychology, and junior or senior standing. An upper level elective for psychology majors and minors. This course investigates the historical development of systems and theories of psychology, emphasizing both the continuity of ideas and the changes in those ideas as psychology has evolved. Various historical and contemporary schools of thought in psychology are examined. (As needed)

PSYC 4341

Physiological Psychology (3-0) Prerequisites: PSYC 1340, and junior or senior standing. BIOL 1401 or equivalent is recommended. Required for all psychology majors and is an elective for psychology minors. Designed for the psychology or biology student with an interest in how biological function influences behavior. This course examines the processes by which biological factors influence human and animal behavior. Special emphasis is placed on the effects of the brain, neurotransmitters, hormones, and genetics on learning, memory, motivation, sensation, and abnormal behavior. (Spring)

PSYC 4365

Death and Dying (3-0) Prerequisite: PSYC 1340. This course is designed for all students with an interest in understanding death processes. An upper level elective for psychology majors and minors. This course is a study of the social and psychological impact of dying, death, and bereavement. Students are provided the opportunity to explore their own feelings about death and dying and to develop professional skills for working with dying and grieving persons. (Spring even years)

PSYC 4370

Industrial and Organizational Psychology (3-0) Prerequisites: PSYC 1340, three additional advanced hours in psychology, and junior or senior standing. Designed as an upper level elective for psychology majors, minors, and business students. This course studies the application of the principles of individual and group psychology to persons in the workplace and other organizational settings. Topics include behavioral measurement, personnel selection and training, job satisfaction, and human factors in job design. (As Needed)

PSYC 4375

Clinical and Counseling Psychology (3-0) Prerequisites: PSYC 1340, PSYC 4300, three additional advanced hours in psychology, and junior or senior standing. Designed as an upper level elective for psychology majors and minors. This course covers some of the major theoretical schools of thought within psychology. Some of the ethical, value, and legal issues related to counseling and their implications for the counseling relationship are discussed. Students will be challenged to think about their own intrapersonal and interpersonal strengths and weaknesses and how these factors could impact the counseling relationship. (Spring)

PSYC 4X88

Internship in Psychology (variable credit). Prerequisites: PSYC 1340, 6 advanced hours in psychology coursework, and junior or senior standing. Intended as an upper level elective for psychology majors. A pre-approved and supervised work experience designed to supplement academic training. Students work at a local agency and attend supervisory meetings. Each course credit hour requires a minimum of 50 hours of on-site work (for example, 3 credit hours requires 150 hours worked on-site). Interested students should discuss this course with the psychology faculty by October 1 for spring semester placement and by March 1 for fall semester placement. This is an experience-enriched course. May be repeated for credit. (Fall, Spring)

PSYC 4392

Senior Seminar in Psychology (3-0) Prerequisites: Senior standing, and 24 hours in psychology or approval by the instructor. Required for all psychology majors. This course is designed to stimulate critical thinking and initiate debate on a number of diverse controversial issues in psychology. The emphasis is on explaining different theoretical approaches to psychological issues and how they can be integrated into a conceptual whole. Students take a locally prepared departmental exam and the Major Field Achievement Test (MFAT) in Psychology as part of this course. These tests are considered in students' final grade. This course is designated as the capstone course in psychology. (Fall, Spring)

PSYC 4X95

Independent Studies (variable credit) Prerequisites: PSYC 1340, six additional advanced hours in psychology, and junior or senior standing. An upper level elective for psychology majors and minors. This is an advanced study or research program arranged between an advanced student and an instructor to provide intensive study of a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. No more than three semester hours can be approved in Independent Studies. (By arrangement)

PSYC 4X96H

Honors Tutorial (variable credit) Prerequisites: 15 hours in psychology and admission to the departmental honors program. Designed to challenge unusually gifted students in psychology. This course provides opportunities for investigation into a variety of psychological topics. It can be taken concurrently with an upper level psychology course or as a separate independent study. This is an experience-enriched course. (By arrangement)

PSYC 4397H

Honors Thesis (0-9) Prerequisites: 15 hours in psychology, admission to the departmental honors program, and approval of the topic by the department and the Honors Committee. This course will provide an opportunity for a student to pursue an in-depth analysis of some contemporary approach to a topic in psychology and write a comprehensive review paper on the findings (25-50 pages). There must also be an oral presentation of this material to an appropriate audience. Honors graduates must successfully complete either Honors Thesis or Honors Research. This is an experience-enriched course and the capstone course for the honors program in Psychology. (By arrangement)

PSYC 4398H

Honors Research (0-9) Prerequisites: 15 hours in psychology, admission to the departmental honors program, and approval of the topic by the department and the Honors Committee.

Course Descriptions - Undergraduate

This course will provide an opportunity for a student to pursue an original research topic under the direction of a faculty member from the Department of Psychology. There must be a written report (25-50 pages) of the research findings in a form suitable for publication. There must also be an oral presentation of this material to an appropriate audience. Honors graduates must successfully complete either Honors Research or Honors Thesis. This is an experience-enriched course and the capstone course for the honors program in Psychology. (By arrangement)

PSYC XX99

Special Topics (level and credit are variable) Prerequisites: PSYC 1340, three additional advanced hours in psychology, and junior or senior standing. An elective for psychology majors, minors, and other interested students. Courses of this nature are infrequent on unique topics of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. Courses of this type may be repeated once for credit when the topics vary. (Fall, Spring, Summer)

READING

READ 3300

Introduction to the Teaching of Reading EC-Grade 6 (3-0) Prerequisite: None. Methods and approaches for effective reading instruction. Includes a foundational understanding of phonological awareness, phonics, fluency, vocabulary, and comprehension. May be taken concurrently with READ 3310. (Fall, Spring, Summer) (Required for EC-6 certification)

READ 3310

Language Foundations (3-0) Prerequisites: None. This course is required for ESL teaching endorsement and is the first in the ESL sequence, but serves as a major elective for other Early Childhood Education students. The course focuses on defining the nature of human language, the linguistic structure of the English language, and how the knowledge of linguistics, is useful for teaching and learning. May be taken concurrently with READ 3300 (Fall, Spring)

READ 3315

Children's Literature I (3-0) Prerequisites READ 3300. Survey of seven genres of children's literature from ancient to present times with emphasis on award-winning selections. Special emphasis on use of children's books in elementary grades. (Fall, Summer) (Required for EC-6 certification)

READ 3316

Children's Literature II (3-0) Prerequisites: READ 3300. A survey of books suitable for readers in the upper elementary school. It will include a survey of Newbery Award winning authors and texts. All seven genres of literature will be studied. May be used as a major elective for EC-6 certification. (Spring)

READ 3332

Reading in the Content Areas Grades 4 – 8 (3-0) Prerequisite: Junior standing. Teaching reading skills necessary to master printed text material in sciences, social studies, and other content areas. Exploring the correlation of reading ability and learning in the content area classroom. Discovering ways to level content area material for students. Planning sample content area units of work incorporating reading skills improvement. (Fall, Summer)

READ 3334

Reading and Language Arts in the Multilingual Classroom (3-0) Prerequisite: READ 3300. Required For Early Childhood students. This course is the second class in the ESL

sequence for students pursuing the ESL endorsement. Methods and curriculum materials for teaching reading and language arts in the multilingual classroom; teaching English as a second language; language experience and vocabulary building. (Fall, Summer even years), (Required for EC-6 certification)

READ 3335

Reading, Instruction and Assessment (3-0) Prerequisites: READ 3300 or permission of instructor, and for 4-8 English Language Arts majors READ 3334. Techniques for assessing and teaching phonological awareness, phonics, fluency, vocabulary, and comprehension. Classroom experience using these techniques will be included. (Fall, Spring, Summer) (Required for EC-6 certification)

READ 3338

Teaching Reading Grades 8-12 (3-0) Prerequisite: Junior standing. Methods for teaching reading in grades 8-12 with an emphasis on teaching reading as an active process of constructing meaning. Techniques for teaching phonetic and structural analysis, vocabulary, fluency, and comprehension. (Fall)

READ 3340

Teaching Reading Grades 4-8 (3-0) Prerequisite: Junior standing. Methods of teaching reading in grades 4-8 with an emphasis on teaching reading as an active process of constructing meaning. Techniques for teaching phonetic and structural analysis, vocabulary, fluency, and comprehension. (Fall)

READ 3342

Reading in the Content Areas Grades 8 –12 (3-0) Prerequisite: Junior standing. Teaching reading skills necessary to master printed text material in sciences, social studies, and other content areas. Exploring the correlation of reading ability and learning in the content area classroom. Discovering ways to level content area material for students. Planning sample content area units of work incorporating reading skills improvement. (Fall, Summer)

READ 3380

Teaching Language Arts EC-6 (3-0) Prerequisite: Successful completion of the General Education requirements in English and READ 3300. This course introduces the prospective teacher to concepts and developmentally appropriate instructional strategies for helping EC-6 students learn to speak, listen, view, re-present, and write effectively. The teaching of the writing process and fundamental writing skills such as spelling, handwriting, grammar and punctuation are emphasized through active learning experiences. (Fall, Spring) (Required for EC-6 certification)

READ 4337

Diagnostic and Corrective Reading Grades EC-6 (3-0) Prerequisites: READ 3300, 3335. Techniques in diagnosing literacy difficulties and prescribing instruction for those difficulties. Field experience required. (Fall, Spring, Summer) (Required for grades EC-6 certification)

READ XX99

Special Topics (variable credit) Prerequisite: Permission of instructor. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (by arrangement)

RELIGION

RELI 1310

The Bible in One Semester Prerequisites: None. This course satisfies 3 hours General Education requirement for Understanding Christian Tradition. The course emphasizes reading through the entire Bible, becoming familiar with general historical backgrounds, important figures, themes, and teachings. (Fall, spring)

RELI 1330

Introduction to Christianity (3-0) Prerequisites: None. An introductory level course for all students. Satisfies 3 hours General Education requirement for Understanding Christian Tradition. The course is a general introduction to the history, theology, and social impact of Christianity past and present with attention given to the relationship of Christianity to persons and institutions in the modern world. (Fall, Spring)

RELI 2309

Holocaust through the Eyes of Elie Wiesel (3-0) Prerequisites: None. This course examines the Holocaust through the writings of Elie Wiesel, a renowned Holocaust survivor. Readings by Wiesel are augmented with film and documentary presentations. Implications and events of the Holocaust are examined through religious, literary and historical perspectives. (May)

RELI 2310

Introduction to Christian Ministry (3-0) Prerequisites: None. Faithful Christian ministry requires spiritual and intellectual formation. This course introduces students to ministry within the context of Christian discipleship. It is intended for all students discerning a vocation to ministry, and is required of all religion majors and minors.

RELI 2330

Introduction to the Old Testament (3-0) Prerequisites: None. This course satisfies 3 hours General Education requirement for Understanding Christian Tradition. The course is a survey of the Old Testament which investigates the history of the Hebrew people, the nature and development of their relationship with God, and the transmission of their tradition and experience in literary form. (Fall, Spring)

RELI 2340

Introduction to the New Testament (3-0) Prerequisites: None. This course satisfies 3 hours General Education requirement for Understanding Christian Tradition. The course is a survey of the New Testament which investigates the life of Jesus, the emergence of the Christian movement, and the articulation of the Christian experience in literary form. (Fall, Spring)

RELI 2350

Religions of the World (3-0) Prerequisites: None. For all students, majors and minors. Satisfies 3 hours of general education for Global, Society, and Personal Perspectives World section. The course surveys selected major religions with some considerations of their founders, their major concepts, their historical development and influence. (Fall)

RELI 2360

Research Methods in Religion and Philosophy (3-0) prerequisites: RELI 1330, or RELI 2330, or RELI 2340, or PHIL 2350. An introduction to methods of research and writing germane to the disciplines of religion and philosophy, with an emphasis on critical assessment of relevant disciplinary scholarship.

RELI 3300

Homiletics (3-0) Prerequisites: RELI 1330, or RELI 2330, or RELI 2340. This course focuses on the development and delivery of sermons grounded in a Christian theology of preaching. Theological and hermeneutical foundations for preaching are explored and applied. Careful attention is devoted to sermon development, for, structure, and delivery. Students develop, write, and orally deliver sermons in class. (Fall even years)

RELI 3310

Eastern Orthodox Theology (3-0) Prerequisites: RELI 1330 or permission of instructor. A study of major figures and themes in Eastern Orthodox thought, with attention both to points of commonality and difference between Eastern and Western Christian theology. (Spring even years)

RELI 3315

Catholic and Protestant Theology in Dialogue (3-0) Prerequisites: RELI 1330 or permission of instructor. A comparative study of Catholic and Protestant theology, with special attention to points of commonality and difference between these traditions of Christian belief. (Spring odd years)

RELI 3320

Biomedical Ethics (3-0) Prerequisites: RELI 1330 or 2330, or 2340. A study of the major ethical issues at stake in health care. Attention is given to religious, philosophical, professional, and historical dimensions of the moral analysis of medicine. (Fall even years)

RELI 3330

Christian Ethics (3-0) Prerequisites: RELI 1330 or permission of instructor. An introduction to major themes and figures in Christian moral analysis, with attention to both applied and theoretical dimensions of ethics. Topics addressed include abortion, sex, war and peace, euthanasia, and political action. (Fall odd years)

RELI 334(a-k)

Advanced Biblical Studies (3-0) Prerequisites: RELI 1330, or 2330 or 2340 or permission of instructor. For majors and minors or an advanced elective. The course involves intensive study of one biblical book, theme, problem, or concept. The content of the course will be specified each time the course is offered. A student may repeat the course when the topic differs. (Fall, Spring)

RELI 3335

Introduction to Hospital Ministry (3-0) Prerequisites: RELI 2310 or permission of instructor. This course introduces students to hospital ministry with special attention to the foundational concepts and basic skills necessary for engaging patients and families, reflecting with peers, and interacting with healthcare professionals. (Fall and spring)

RELI 3340

Pastoral Care and Counseling (3-0) Prerequisites: RELI 2310. The work of the minister is explored with particular attention to pastoral caregiving in congregational contexts. Topics include pastoral theology, pastoral counseling, professional limits and counseling referrals, bereavement, mental health crises, alcohol and drug addiction, family ministry, hospital ministry, prayer ministry, ministry through the lifespan, and self-care of the minister. (Spring odd years)

RELI 3375

History of Christianity to 1500 (3-0) Prerequisites: RELI 1330 or permission of instructor. This course examines the intellectual, institutional, and social history of the Christian church up to the eve of the Protestant Reformation.

Course Descriptions - Undergraduate

RELI 3385

History of Christianity from 1500 (3-0) Prerequisites: RELI 1330 or permission of instructor. This course continues the survey of the history of Christianity begun in RELI 3375, exploring the Protestant Reformation and the many Christian churches, sects, and movements that have developed since 1500.

RELI 3390

Christianity in Scotland (3-0) Prerequisites: RELI 1330, 2330, or 2340, or permission of instructor. A course on the history of Christianity in Scotland from its origins to the present day. In addition to reading and research in the subject matter, the course requires participation in a study tour of Scotland, (As needed, May or Summer)

RELI 4309

Holocaust through the Eyes of Elie Weisel (3-0) Prerequisites: None. This course examines the Holocaust through the writings of Elie Weisel, a renowned Holocaust survivor. Readings by Weisel are augmented with film and documentary presentations. Implications and events of the Holocaust are examined through religious, literary and historical perspectives. Cross-listed with ENG 4309. (May)

RELI 4320

Philosophy of Religion (3-0) Prerequisites: None. Cross-listed in Philosophy. For majors and minors and fulfills Humanities General Education requirement. This course examines the conceptual basis and logic of religious commitment. Emphasis on the varieties of theism together with appraisals of competing views, rational grounds for belief in God, the problem of evil, and human destiny. Issues will be related to contemporary theology. (Fall odd years)

RELI 4340

Worship and Liturgy (3-0) Prerequisite: RELI 2310. This course focuses on the history and theology of Christian liturgy and the development of skills for planning and leading worship in the local church. Topics include the service of the Word, the celebration of sacraments, weddings, funerals, and the liturgical calendar. (Fall odd years)

RELI 4365

The Christian Bible: Formation and Interpretation Prerequisites: RELI 1330, 2330, 2340, or permission of instructor. This course explores both the canonization process of the Christian Bible (Old and New Testament), and the various methods of scriptural interpretation employed within the Christian tradition.

RELI 4375

Augustine, Anselm, Aquinas, and Luther (3-0) Prerequisites: RELI 1330 or permission of instructor. This course explores the lives and thought of four giants in the history of the Christian church in the West. Each figure will be studied in his own context and placed in dialogue with the other thinkers.

RELI 4380

The Methodist Movement, Pietism and Evangelical Revival (3-0) Prerequisites: RELI 1330 or permission of instructor. This course examines the development of Pietism and Evangelicalism, including the Wesleys and the rise of Methodism.

RELI 4388

Internship in Christian Ministry. (3-0) Prerequisites: 24 hrs toward requirements for the major or 15 hrs towards the minor. Supervised field experience in various forms in Christian education. For majors or minors. Students can take up to two terms (including summer) to complete internship. The amount of credit for each term will vary in accord with specific arrangements. Christian education directors, pastors and laymen

cooperate with college faculty to supervise students in the development of professional awareness and skills needed for leadership in the educational programs of the Church. (As needed)

RELI 4390

Senior Seminar in Religion (3-0) Prerequisites: Senior Standing as a religion major or permission of instructor. A senior seminar required for all religion majors. The course focuses on directed readings of classic texts in relation to perennial issues in religion. (Spring)

RELI 4X95

Independent Studies (variable credit) Prerequisites: 6 hours of religion. For religion majors and minors. This course is arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (By arrangement)

RELI 4X96H

Honors Tutorial (variable credit) Prerequisites: See requirements for honors. For religion majors. This course provides the honors student in religion with the multifaceted disciplines in the study of religion (both academic and practical) Those admitted to the honors program will work with the religion department faculty in this tutorial either in conjunction with existing advanced departmental offerings or in an independent study tutorial. (By arrangement)

RELI 4X97H

Senior Thesis/Project (variable credit) Prerequisite: See requirements for honors. For honors candidates. The student wishing to graduate with honors in religion will successfully complete a Senior thesis or Senior project in religion. The Thesis/Project incorporates independent research and the gathering of data, analytical and hermeneutical skills, and the presentation of results in both written and oral form. Each student will have a thesis or project supervisor from the Department of Religion and the thesis must have the approval of the supervisor and at least one more member of the religion department. (By arrangement)

RELI XX99

Special Topics (variable credit) Prerequisite: 3 hours of religion. For religion majors or minors. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (By arrangement)

SCIENCE

SCIE 2310

Leadership in Science and Mathematics (2-3)

Prerequisites: One Lab Science, MATH 1311, and sophomore standing. Optional course for the general education requirements for Leadership Excellence and Virtue. An exploration of leadership, excellence, and virtue in the utilization of scientific disciplines to solve problems. Students will gain experience in scientific research through addressing a need expressed by a partner community. Laboratory participation is an integral part of the course. (As needed)

SERVANT LEADERSHIP

SRLD 1300

Introduction to Ethics (3-0) Prerequisites: None. This course may be used to fulfill McMurry University's general education requirement for Leadership, Excellence, and Virtue. The course

provides an introduction to ethical theories (deontological, teleological, virtue ethics, etc.), moral decision-making, and key contemporary moral issues. Particular attention is given to practical application in moral reasoning and to the development of sensitivity to ethical issues of contemporary society, focusing on rights and duties of individuals and groups and the nature of legitimate needs and values. (Fall, Spring) (TCCN PHIL 2306)

SRLD 1310**Concepts And Techniques Of Servant Leadership**

A discussion of the nature, styles, and skills of Servant Leadership, utilizing historic and contemporary models and emphasizing moral roots of responsible leadership. Students will participate in a field experience in the Abilene community, combined with reflection and discussion in small groups on issues in Servant Leadership. (Fall, Spring)

SRLD 2310

Formation in Servant Leadership (3-0) Prerequisites: SRLD 1310 or permission of instructor. Formation in Servant Leadership is a seminar style course focusing on personal and interpersonal growth in servant leadership. Emphasis is placed on self-awareness, personal mastery (effective self-leadership), deep listening, group facilitation and service learning. (Spring even years)

SRLD 3310

Theories of Leadership (3-0) Prerequisites: SRLD 1310 or permission of instructor. A seminar style course focusing on recent research and literature in leadership. Emphasis will be placed on the mastery and implementation of leadership theories. Special attention will be devoted to theories that incorporate service. (Spring odd years)

SRLD 3320

Dialogue with the other (3-0) Understanding and working the the "other" (variously defined) is a crucial skill for servant leaders and is an increasingly necessary skill for anyone in a global, pluralistic world. Dialogue with the Other is a seminar style course focusing on understanding people and groups whose culture, ethnicity, race, religion, and/or lifestyle is outside the dominant frame(s) of reference of McMurry students. Students will conduct research on hermeneutical and practical aspects of dialogue, engage in phenomenological studies of various groups (the "other"), practice skills associated with dialogue, and develop service learning activities to practice what they learn. (Spring even years)

SRLD 4388

Servant Leadership Internship (3-0) The Internship and Capstone in Servant Leadership provides an integrative learning experience near the completion of the BIS degree with an emphasis in Servant Leadership. Students are matched with an appropriate Field Supervisor in a community setting (business, organization, agency, etc.) and develop a minimum of three learning goals that include academic and experiential elements. Regular meetings are required with the field supervisor and the Director of Servant Leadership to develop, implement, and evaluate the fulfillment of the learning goals.

SPANISH STUDIES**SPAN 1410**

Elementary Spanish I (3-1) Prerequisites: None. For students who have had no previous instruction in the language, or have had one year or less of high school Spanish. Introduces patterns of pronunciation, basic conversation, grammar, reading and writing exercises, and aspects of Hispanic civilization. One hour of laboratory practice a week is required. Credit for this course may be earned by CLEP. Classroom delivery, and hybrid classes. (Fall, Summer I) (TCCN SPAN 1411)

SPAN 1420

Elementary Spanish II (3-1) Prerequisites: SPAN 1410 or equivalent. For students who have had one semester of college level Spanish or one year of high school Spanish. This course is a continuation of SPAN 1410. One hour of laboratory practice a week is required. Credit for this course may be earned by CLEP. Classroom delivery, and hybrid classes. (Spring, Summer II) (TCCN SPAN 1412)

SPAN 2310

Intermediate Spanish I (3-0) Prerequisites: SPAN 1420 or equivalent. For students who have completed one year of college Spanish or two years of high school Spanish. Reviews and expands work done in Elementary Spanish, including conversation, grammar, reading and writing. Broadens awareness of Hispanic culture and civilization. Credit for this course may be earned by departmental examination. Classroom delivery, and hybrid classes. (Fall, Summer I) (TCCN SPAN 2311)

SPAN 2320

Intermediate Spanish II (3-0) Prerequisites: SPAN 2310 or equivalent. For students who have completed three semesters of college Spanish or three years of high school Spanish. This course is a continuation of SPAN 2310. Credit for this course may be earned by departmental examination. Classroom delivery, and hybrid classes. (Spring, Summer II) (TCCN SPAN 2312)

SPAN 3301

Advanced Conversation and Phonetics (3-0) Crosslisted as BIED 3301. Prerequisites: SPAN 2320 and SPAN 3331, or departmental approval. Designed to strengthen speaking skills through a variety of listening, writing, reading, and socio-cultural awareness. The student will work with short and full length films and readings from Spain and Latin America, using them as starting point, source of information, and illustration of language in a cultural context for class discussion. You will practice these skills often as you improve your oral proficiency in Spanish. (Spring odd years)

SPAN 3331

Grammar and Composition (3-0) Prerequisites: SPAN 2320 or departmental approval. An indepth study of the grammatical structure of Spanish with emphasis on idiomatic expressions, syntax and the development of an individual literary style. (Fall)

SPAN 3336

Hispanic Culture and Civilization (3-0) Prerequisites: SPAN 2320, SPAN 3331 or departmental approval. A study of Iberian and Spanish American patterns of civilization. Key aspects of geography and Hispanic history, economy, art, political life, and cultural topography are studied. (Fall odd years)

SPAN 4311

Survey of Spanish Peninsular Literature (3-0) Prerequisites: SPAN 2320, SPAN 3331 or departmental approval. A survey of selected readings in Peninsular literature from medieval poetry such as *El cantar de mio Cid* To contemporary works by Garcia Lorca, Cela, Sender and Matute. (Spring even years)

SPAN 4312**Survey of Spanish Latin American Literature (3-0)**

Prerequisites: SPAN 2320, SPAN 3331 or departmental approval. A survey of selected readings in Spanish-Latin American literature from the pre-colonial period to contemporary works and authors such as Popol Vul, Inca Garcilaso de la Vega, Sor Juana, Andrés Bello, Ruben Darío, García Márquez, Isabel Allende, etc. (Fall even years)

SPAN 4322

Spanish Linguistics (3-0) Prerequisites: SPAN 2320, SPAN 3331 or departmental approval. An introduction to the contrastive linguistics of Spanish and English. Acquaints students with the basics of descriptive, applied, psycho- and sociolinguistics. (Spring odd years)

Course Descriptions - Undergraduate

SPAN 4335

Spanish for Teachers and Majors (3-0) Prerequisites: All Elementary, Intermediate and advanced courses or departmental approval. A practicum in language mastery. Prospective teachers learn theories, principles, strategies, techniques, and practical applications on how language is introduced and taught in meaningful contexts, it will assist the future teacher to develop a personal philosophy of language learning and teaching, suggestions for planning, teaching and assessment. Prospective teachers must demonstrate preparedness to pass state required tests for certification. This is the capstone course for Spanish. (Spring even years)

SPAN 4X95

Independent Studies (variable credit) Prerequisites: Persons pursuing certification, public school personnel, or permission of instructor. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress.

SPAN 4X96H

Honors Tutorial Prerequisites: 14 hours in Spanish and an overall GPA of 3.25. Designed for the honors student in Spanish, including study of particular topic, historical and background analysis, and research.

SPAN 4X97H

Senior Thesis Of Project Prerequisite: Designed for the honors student in Spanish. An independent research project on a topic approved by the Modern Language Department. Findings reported in writing and orally to the faculty of the department. Successful completion required for graduation with honors in Spanish.

SPAN XX99

Special Topics (level and credit variable) Prerequisite: permission of instructor. Elective for majors, minors and teaching fields. Courses of this nature are infrequent or unique topics of study offered occasionally to groups of students to broaden the departmental curriculum, to meet student demand, or to observe special events. Courses of this type may be repeated for credit when topics vary. (By arrangement)

SOCIOLOGY

SOCI 1300

Collective Conscience (3-0) Prerequisites: None. This course will satisfy general education requirement for Leadership, Excellence, and Virtue (LEV) or can be used as a Sociology major or minor elective. In this course, students critically examine social issues, moral stances, and generational characteristics. Special attention is paid to how society can influence citizens to look beyond their own self-interest to larger collective concerns. (Fall, Spring)

SOCI 2300

Introduction to Sociology (3-0) Prerequisites: None. This course is designed for anyone interested in sociology or obtaining general education credit. The course is required for sociology and nursing majors. Core sociological insights and concepts such as social institutions, control, stratification, and socialization are overviewed. (Fall, Spring) (TCCN SOCI 1301)

SOCI 2310

World Societies I (3-0) Prerequisites: None. This course will satisfy the Global, Societal, and Personal perspectives requirement. Through a survey of ancient cultures in Africa, Asia, South America, Central America, and North America, students will examine a wide variety of ancient urban cultures and their

way of life. This course provides students with an overview of major social processes and social structures that affected the development of past civilizations from a global perspective. (Fall, Spring)

SOCI 2315

Criminology (3-0) Prerequisite: None. This is a required course for criminology minors or an elective for sociology majors and minors. This course focuses on crime in America. Past and present aspects of typologies, punishments, corrections, and styles of enforcement are overviewed. (Fall, Spring)

SOCI 2320

World Societies II (3-0) Prerequisites: None. This course will satisfy the Global, Societal, and Personal Perspectives requirement. In this course, students will examine contemporary social issues, within a global perspective. Students will investigate topics of world poverty, transnational crime, marriage and family, and how technology has spurred social change around the world. (Fall, Spring)

SOCI 2350

Social Problems (3-0) Prerequisites: None. This course is an inquiry into current social problems with specific reference to their origin, development, and suggested solutions. (Fall, Spring) (TCCN SOCI 1306)

SOCI 3300

Social Research (3-0) Prerequisites: SOCI 2300 or permission of the instructor. Sociology majors are required to take this course. This course introduces the social research process of data collection, analysis, and interpretation. A balanced approach regarding quantitative and qualitative methods is offered. (Spring)

SOCI 3310

Social Theory (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is required for sociology majors. This course is an overview of the origin of sociological theory, beginning with Comte, Marx, Weber, and Durkheim. Attention will also be given to contemporary schools of thought. (Fall)

SOCI 3320

Sociological Investigations (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is designed as an advanced elective for anyone interested in sociology. It is oriented toward providing the student with a deeper understanding of the sociological perspective. Select works by sociologists will be examined pertaining to the methodological, theoretical, and practical contributions. (Spring odd years)

SOCI 3325

Wrongfully Convicted (3-0) Prerequisites: SOCI 2315 or permission of instructor. This offering is an advanced elective for criminology minors and sociology majors. This course addresses criminology from a unique angle by examining what happens when the criminal justice system gets it wrong. Students are introduced to the considerable number of individuals who have been exonerated of crimes that they did not commit. These cases suggest many issues that will be covered, some of which are coerced confessions, questionable eyewitness testimony, faulty forensic work, and poor legal advice. (Spring)

SOCI 3330

Social Stratification (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is required for sociology majors. This offering is an analysis of the issues of wealth, prestige, and power in stratification systems. Particular attention is paid to social class and mobility patterns. (Spring)

SOCI 3335

Juvenile Delinquency (3-0) Prerequisites: SOCI 2315 or permission of instructor. Advanced elective for criminology minors,

sociology majors or minors. One of the interesting areas in criminology is the topic of youth and criminal activity. This course is a study of how juvenile delinquency is determined and the criminal justice system created to deal with it. (Fall)

SOCI 3340

Social Psychology (3-0) Prerequisites: SOCI 2300. Advanced elective for criminology minors, sociology majors or minors. This course is an examination of the situational forces that make us social beings. Topics covered are social cognition, the self, prosocial behavior, aggression, and social biases. (Fall)

SOCI 3345

Studies in Criminology (3-0) Prerequisites: SOCI 3325 or permission of instructor. This course is an advanced elective for criminology minors and sociology majors or minors. Using a seminar format, this offering examines select investigations which provide a better understanding of crime and society. Particular consideration is given to studies dealing with the wrongfully convicted. (May)

SOCI 3350

Race and Ethnicity (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is required for sociology majors. The course introduces some of the concepts and theories sociologists use to better understand the influences of racial and ethnic factors. Also covered are social policies which have influenced U.S. race relationships. (Fall)

SOCI 3355

Serial Murder Investigation (3-0) Prerequisites: SOCI 2315 or permission of instructor. This is an advanced elective for criminology minors and sociology majors. This class is designed to examine the various theories and explanations of serial murders in U. S. Society. There will be an emphasis on history, myths, public fascination, as well characteristics, motivations, and typologies of serial murderers. There will also be an emphasis on criminal profiling through the use of case studies, film, television, popular books and other popular media (Fall)

SOCI 3360

Marriage and the Family (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is an advanced elective for sociology majors or minors. Types of family organization, husband-wife and parent-child relationships, and the impact of social change on family life are studied. (Spring)

SOCI 3370

Gender and Society (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is required for sociology majors. The course considers the differential socialization of men and women and its effect on their experiences on the major social institutions of the family, the economy, and the educational system. Past practices, current trends, and future predictions of the role of men and women in society will be covered. (Spring)

SOCI 3375

White Collar Crime (3-0) Prerequisites: SOCI 2315 or permission of instructor. This is an advanced elective for criminology minors and sociology majors or minors. This course is an analysis of the intersection of criminal behavior and social class. In particular, time is spent looking at white collar professionals involved in fraud, deception, embezzling, bribery, etc. Corporate as well as governmental settings are covered. (Spring odd years)

SOCI 3392

Social Policy (3-0) Prerequisites: SOCI 2300 or permission of instructor. This offering can be used as an advanced elective for sociology majors or minors. This course is an examination of the social programs designed to help people improve their levels of personal and social functioning. Special attention will

be given to applied sociology, poverty reform, family issues, and comparative strategies. (Spring even years)

SOCI 4325

Issues in Criminology (3-0) Prerequisites: SOCI 2315 or permission of instructor. This is an advanced elective for criminology minors and sociology majors or minors. The course grapples with the complexities of the criminal justice system. Issues such as defining crime, policing, forensics, constitutional right to counsel, sentencing, corrections, and parole are over-viewed. (Spring even years)

SOCI 4330

Sociology of Religion (3-0) Prerequisites: SOCI 2300 or permission of instructor. This course is an advanced elective for sociology majors or minors, and all other interested students. This course is a study of the effect of social forces in shaping the thought and practice of religious institutions. Special attention will be given to American denominational policies and congregations. (Fall odd years)

SOCI 4335

Women and Crime (3-0) Prerequisites: SOCI 2315 or permission of instructor. This course is an advanced elective for criminology minors and sociology majors concerning women's experiences as offenders, victims, and prisoners in the legal system. Students will become more aware of the influence of gender, race, class, and sexuality in the labeling, processing, and punishment of offenders. (Spring)

SOCI 4385

Comparative Criminology (3-0) Prerequisites: SOCI 2315 or permission of instructor. This is an advanced elective for criminology minors and sociology majors or minors. This course broadens the student's exposure to criminology by addressing aspects of social control and crime in societies other than America. Attempting to identify alternative approaches, attention is paid to definitions of criminal activity, enforcement, and punishment. (Spring)

SOCI 4392

Seminar in Sociology (3-0) Prerequisite: Senior standing. This course is required for sociology majors. The course is designed to deal with, in a more advanced and integrated manner, the discipline of sociology. Emphasis will be placed on theoretical, methodological, and practical issues. This is the capstone course for Sociology. (Fall)

SOCI 4395

Practicum (3-0) Prerequisites: SOCI 2300 or 2315. This course is an advanced elective for criminology minors and sociology majors or minors. This offering is an arrangement between the student and instructor of intensive study or field experience. The course includes a definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (Fall, Spring)

SOCI 4X96H

Honors Tutorial (variable credit) Prerequisites: 15 hours in sociology and admission to the departmental honors program. Designed for the honors student in sociology; includes extensive reading on a select topic involving sociological theory, method, or practice. (By arrangement)

SOCI 4X97H

Senior Thesis (variable credit) Prerequisites: 18 hours in sociology, admission to the departmental honors program, and approval of thesis by department and Honors Committee. Designed for the student in sociology honors program; includes conducting a social research study or preparing an extended essay on a theoretical or applied topic. Regardless of the choice, the student is expected to write the thesis in the required format. (By arrangement)

Course Descriptions - Undergraduate

SOCI XX99

Special Topics (variable credit) This course is an elective for sociology majors or minors, and all other interested students. It is offered to broaden departmental curriculum or to meet student demand. May be repeated for credit when topics vary.

THEATRE

THRE 1150

Dance: Tap or Jazz Prerequisites: None. Introduction to a major style of dance commonly employed on the stage. The student learns the terminology of dance, practices and performs dance routines, and is required to research and choreograph a routine appropriate for a stage production. This course is a lower level theatre elective primarily for BFA Theatre students with an Acting/Directing focus and may be repeated with the instructor's permission. (Fall and/or Spring as needed) (TCCN DRAM 1110, 1147)

THRE 1300

Introduction to Theatre (3-0) Prerequisites: None. Fulfills the General Education requirement in Fine Arts. An appreciation course in Theatre dealing with dramatic style, form and production areas. The course is designed to educate the audience of today by bettering their understanding of theatrical art. (Fall and/or Spring as needed) (TCCN DRAM 1310)

THRE 2110

Production I Prerequisites: None. Designed for interested students. The study, practice, and participation in every phase of dramatic production work and management. Required of Theatre majors and minors. (Fall, Spring, Summer)

THRE 2250

Make-up (0-2) Prerequisites: None. Required for all Theatre majors. An introduction to stage make-up design and application for actors and theatre technicians. Primary emphasis is on realistic applications but stylization, abstraction, and prosthetics are also examined. Laboratory required. Suitable for non-majors. (Spring) (TCCN DRAM 1141)

THRE 2320

Improving Voice and Diction (3-0) Prerequisites: None. Designed for teachers, speech and hearing therapists, actors, readers, and public speakers. An introductory study of the speech mechanism and the International Phonetic Alphabet with an emphasis upon improving articulation, pronunciation, and other components of vocal production. (Fall odd years) (TCCN DRAM 2336)

THRE 2330

Acting I (3-0) Prerequisites: Theatre majors and minors only, or permission of the instructor. Required for all Theatre majors. A study of fundamental techniques and theories of acting. An introduction to the art of acting as an integral part of the students' social and educational milieu and as a means for adequate self expression and personal growth. (Fall) (TCCN DRAM 1351)

THRE 2340

Stagecraft (3-0) Prerequisites: None. Required of all Theatre majors and minors. A basic course in technical production for the stage. Emphasis placed on scenery construction, rigging, elements of scene painting, basic theatre lighting, and an understanding of the stage space and its functions. (Spring) (TCCN DRAM 1330)

THRE 2350

Costume Construction (3-0) Prerequisites: None. Required of Design/Technical Focus students and Theatre Arts Education Focus students, but open to anyone interested. An introduction to various aspects of costume construction, including sewing techniques, fabric selection, pattern selection, cutting, and garment alterations. (Spring even years) (TCCN DRAM 1342)

THRE 3210

Production II (0-2) Prerequisite: THRE 2110. A continuation of Production I. Designed for interested students. The study, practice, and participation in every phase of dramatic production work and management. Required of BFA Theatre majors. (Fall, Spring, Summer.)

THRE 3310

Digital Video Capture and Editing (3-0) Prerequisites: None. Upper level elective for Theatre majors. An introduction to the techniques of capturing digital video through the use of video cameras and downloading for use in non-linear editing on a computer for a variety of video skills tests including basic editing, applying motion key-frames, titling, transitions, filters, voice-overs, compositing, and chroma-key. Students will create projects including interviews, commercials, music videos, live performances and documentaries. Students will learn how to compress video for use in various formats including video for web sites and digital video disks. Cross-listed as MMAP 3310. (Fall and/or Spring as needed)

THRE 3320

Directing I (3-0) Prerequisites: THRE 2330, 2340. A required course for all majors and minors. A study of basic techniques of directing with emphasis on script analysis, fundamentals of staging, and work with actors. Students must prepare a one-act play or approved cutting from a larger play for production. (Spring.)

THRE 3325

Theatre and Fine Arts Management (3-0) Prerequisites: None. Upper level elective for Theatre majors. Required for BFA in Studio Art, and Multimedia and Graphic Design. A study of the process involved in selecting a space for a theatre or art gallery, raising funds, conducting public relations and publicity, selecting a season, contracting artistic personnel, running a box office, and working with a board of directors in a non-profit organization. (Spring odd years)

THRE 3330

Acting II (3-0) Prerequisite: THRE 2330. Upper level elective for Theatre majors and minors. An introduction to scene analysis and character development. Scenes from modern and contemporary plays are used to help the student understand the application of analysis to performance. Emphasis is placed on the process of creating a role. (Fall even years)

THRE 3350

Theatre History and Dramatic Literature: Greeks to 19th Century (3-0) Prerequisites: None. Required of all Theatre majors and those with Theatre Arts Education Focus. An advanced elective for minors. An historical investigation of early theatre and dramatic literature. (Fall even years)

THRE 3360

Creative Drama (3-0) Prerequisites: None. Upper level elective for Theatre majors and teaching field students. Designed for the student interested in working with children. A study of the goals and techniques of developmental drama with emphasis on pantomime, improvisation, and story dramatization for elementary school children. (Fall, Spring)

THRE 3365**Theatre History and Dramatic Literature:**

19th Century to Present (3-0) Prerequisites: None. Required of all majors and for Theatre Arts Education Focus. An advanced elective for minors. An historical and critical study of theatre and dramatic literature since the 19th century. (Fall odd years)

THRE 3370

Playwriting (3-0) Prerequisite: Permission of instructor. An upper level elective for majors, minors, teaching field students, and students interested in creative writing. A study in the principles of dramatic construction and practice in the writing of one-act and full length plays. Emphasis is placed on process and skills development in playwriting as well as analysis of the structures of some of the great works of dramatic literature. (Spring odd years)

THRE 4320

Advanced Playwriting Prerequisites: THRE 3370 and senior standing, or permission of instructor. An upper level elective for majors, minors, teaching field students, and those interested in creative writing. Required of BFA Theatre majors with a Creative Writing minor. Advanced study in the principles of dramatic construction and the practice of writing a full length play. Significant emphasis placed on process and planning in the creation of an original script. (Spring even years).

THRE 4330

Acting III (3-0) Prerequisites: THRE 3330, or permission of instructor. Upper level elective for Theatre majors. An exploration of period style as it relates to acting. The continuation of experience in analyzing roles and discovering basic techniques as they apply to the performance of period plays. Scenes from Greek, Elizabethan, Restoration, and other theatrical periods will be used in the study of performance analysis and style. (Fall odd years)

THRE 4335

Musical Theatre Practicum (3-0) Prerequisites: students admitted by audition. An advanced elective for majors and minors devoted to the practical application of theory to musical theatre production. Students learn how to project character through singing and dancing. The work they develop will be presented in one or more public performances. May be repeated for credit in the Bachelor of Fine Arts degrees and the Musical Theatre Minor. (Spring odd years)

THRE 3344

Fundamentals of Lighting Design (3-0) Prerequisite: THRE 2340. An upper level elective in technical theatre, required for Theatre Arts Education Focus. An exploration of the theories and practices involved in the design of lighting for the theatre. Emphasis will be placed on equipment capabilities, functions and maintenance, script analysis, design theories and application, and the role of the light designer. (Fall even years)

THRE 3345

Fundamentals of Scenic Design (3-0) Prerequisite: THRE 2340. A required course for all Theatre majors. An exploration of the elements and principles of design as they relate to scenery and lighting. Emphasis will be placed on basic graphic skills, art and architectural research, play analysis in terms of spatial relationships on stage, and an introduction to drafting. (Fall odd years)

THRE 4340**Advanced Scenic Design (3-0)** Prerequisite: THRE 3345.

An upper level elective for majors and minors. The student will explore the various kinds of stage configurations. Emphasis will be placed on design presentation, including rendering techniques, model building, and conceptualization of design. (As needed)

THRE 4350

Costume Design and History (3-0) Prerequisites: None. An upper level elective for majors and minors which may be taken in lieu of THRE 2350 by Design/Technical Focus students and Theatre Arts Education Focus students. An exploration of the elements and principles of design as they relate to costume design, and an examination of fashion and the history of costumes in the theatre. Special emphasis is placed on script analysis and historical research. (Spring odd years)

THRE 4363

American Musical Theatre (3-0) Prerequisites: None. An advanced elective for majors and minors. An historical and critical study of the development of the American musical including the viewing and discussion of a wide range of musical theatre productions. (Spring even years)

THRE 4365

Theatre Arts in the Secondary School (3-0) Prerequisite: THRE 3320. Required for students with Theatre Arts Education Focus. A study of the essential elements in theatre, criteria for the evaluation of plays, criteria for selection of materials, and techniques for teaching are included. (Spring even years)

THRE 4390

Senior Project in Theatre (3-0) Prerequisites: Senior standing and approval of the instructor. Required for all majors. Individual study, under the guidance of a member of the faculty, of a specific problem of student's choice. It culminates in an extensive project for a major production in (1) Directing, (2) Acting, (3) Design, (4), playwriting, and serves as a capstone course in theatre. (Fall)

THRE 4X95

Independent Studies (variable credit) Prerequisites: Senior status, permission of instructor, and of instructor. Upper level elective for majors. A study program arranged between an advanced student and an instructor to provide intensive study in a particular area of interest. The course includes the definition of goals appropriate for the advanced student, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (As needed)

THRE 4X96H

Honors Tutorial (variable credit) Prerequisites: 21 hours in theatre and admission to the departmental honors program. Designed for the honors student in Theatre; includes extensive reading on a select topic in theatre theory, method, or practice. (By arrangement)

THRE XX99

Special Topics (variable credit) Prerequisite: Permission of instructor. For majors and minors. A course of study offered occasionally to groups of students to broaden departmental curriculum, to meet student demand, or to observe special events. May be repeated for credit when topics vary. (As needed)

HERITAGE & CULTURAL TOURISM

TOUR 3340

Heritage Tourism (3-0) The course will focus on the broad theories and practices of the heritage tourism profession. Topics will include, but are not limited to : destination management; destination development; historic attraction management; site interpretation and development; event management; sustainable tourism; regional tourism and destination marketing; and partner marketing and sponsorships. Requirement for business concentration in heritage tourism. May not be used to fulfill history major, minor, or social studies teaching field requirements. (Fall even years)

TOUR 4388

Heritage Tourism Internship (3-0) Required for Heritage and Cultural Tourism concentration. The course will focus on the broad theories and practices of the heritage tourism profession. Topics will include, but are not limited to: Destination management; Destination development; Historic attraction management; Site Interpretation and development; Event management; Sustainable tourism; Regional tourism and destination marketing; and Partner marketing and sponsorships.
(By arrangement)

TEXAS COMMON COURSE NUMBERING SYSTEM / MCMURRY EQUIVALENT

TCCN		TITLE	MCM		TITLE
ACCT	2301	Principles of Accounting I-Financial	ACCT	2310	Financial Accounting
ARTS	1301	Art Appreciation	ARTS	1300	Exploring the Visual Arts
ARTS	1303	ARTS History I	ARTS	2301	Art History I
ARTS	1304	Art History II	ARTS	2302	Art History II
ARTS	1311	Design I (2-Dimensional)	ARTS	1310	Elements of Design I
ARTS	1312	Design II (3-Dimensional)	ARTS	2321	Three Dimensional Design
ARTS	1316	Drawing I	ARTS	2300	Fundamentals of Drawing
ARTS	1317	Drawing II	ARTS	2304	Creative Drawing
ARTS	2311	Design III	ARTS	2321	Three-Dimensional Design
ARTS	2316	Painting I	ARTS	2310	Painting I
ARTS	2346	Ceramics I	ARTS	1313	Basic Pottery
ARTS	2356	Photography I (Fine Arts Emphasis)	ARTS	2323	Fundamentals of Photography
BCIS	1305	Business Computer Applications	COIS	1315	Computer Fluency
BIOL	1306	Biology for Science Majors I	BIMS	1300	Introduction to Scientific Research
BIOL	1307	Biology for Science Majors II	BIOL	1301	Biology of Unicellular Organisms
BIOL	1408	Biology for Non-Science Majors I	BIOL	1401	Principles of Biology
BIOL	1411	General Botany	BIOL	1402	Biology of Plants
BIOL	1413	General Zoology	BIOL	1403	Biology of Animals
BIOL	2401	Anatomy & Physiology I	BIOL	2401	Anatomy & Physiology I
BIOL	2402	Anatomy & Physiology II	BIOL	2402	Anatomy & Physiology II
BUSI	1301	Business Principles	BUSI	1310	Contemporary Business
CHEM	1405	Introductory Chemistry I	CHEM	1400	Chemistry in Society
CHEM	1406	Introductory Chemistry I (Primarily Allied Health Sci)	CHEM	1405	Survey of General and Organic Chemistry
CHEM	1408	Introductory Chemistry II (Primarily Allied Health Sci)	CHEM	1406	Survey of Organic and Biochemistry
CHEM	1411	General Chemistry I	CHEM	1410	General Chemistry I
CHEM	1412	General Chemistry II	CHEM	1420	General Chemistry II
CHEM	2401	Analytical Chemistry I	CHEM	2430	Quantitative Analysis
COSC	1301	Microcomputer Applications	COIS	1315	Computer Information Systems
COSC	1315	Fundamentals of Programming	COSC	1325	Fundamentals of Computer Science
DANC	1110	Tap I	THRE	1150	Dance: Tap
DANC	1147	Jazz Dance I	THRE	1150	Dance: Jazz
DRAM	1141	Makeup	THRE	2150	Make-Up
DRAM	1310	Introduction to Theater	THRE	1300	Introduction to Theatre
DRAM	1330	Stagecraft I	THRE	2340	Stagecraft
DRAM	1342	Introduction to Costume	THRE	2350	Costume Construction
DRAM	1351	Acting I	THRE	2330	Acting I
DRAM	2220	Theater Practicum III	THRE	2210	Production I
DRAM	2336	Voice for the Theater	THRE	2320	Improving Voice & Diction
ECON	2301	Principles of Macroeconomics	ECON	2310	Principles of Macroeconomics
ECON	2302	Principles of Microeconomics	ECON	2320	Principles of Microeconomics
ENGL	1301	Composition I	ENGL	1310	Composition & Rhetoric
ENGL	1302	Composition II	ENGL	1320	Composition & Literature
ENGL	2321	British Literature (1 semester course)	ENGL	2310	Masterpieces of British Literature
ENGL	2322	British Literature I	ENGL	2310	Masterpieces of British Literature
ENGL	2323	British Literature II	ENGL	2310	Masterpieces of British Literature
ENGL	2326	American Literature (1 semester course)	ENGL	2320	Masterpieces of American Literature
ENGL	2327	American Literature I	ENGL	2320	Masterpieces of American Literature

TEXAS COMMON COURSE NUMBERING SYSTEM / MCMURRY EQUIVALENT

TCCN		TITLE	MCM		TITLE
ENGL	2328	American Literature II	ENGL	2320	Masterpieces of American Literature
ENGL	2331	World Literature (1 semester course)	ENGL	2330	Masterpieces of World Literature
ENGL	2332	World Literature I	ENGL	2330	Masterpieces of World Literature
ENGL	2333	World Literature II	ENGL	2330	Masterpieces of World Literature
ENGL	2341	Forms of Literature (1 semester course)	ENGL	2350	Topics in Literary Study
ENGL	2342	Forms of Literature I (1st sem;2 sem seq)	ENGL	2350	Topics in Literary Study
ENGL	2343	Forms of Literature II (2nd sem;2 sem seq)	ENGL	2350	Topics in Literary Study
FREN	1311	Beginning French I	FREN	1410	Elementary French I
FREN	1412	Beginning French II	FREN	1420	Elementary French II
FREN	2311	Intermediate French I	FREN	2310	Intermediate French I
FREN	2312	Intermediate French II	FREN	2320	Intermediate French II
GEOL	1403	Physical Geology	GEOS	1410	Physical Geology
GEOL	1405	Environmental Geology	GEOS	1405	Environmental Geology
GEOL	1447	Meteorology	GEOS	2420	Meteorology
GERM	1411	Beginning German I	GERM	1410	Elementary German I
GERM	1412	Beginning German II	GERM	1420	Elementary German II
GERM	2311	Intermediate German I	GERM	2310	Intermediate German I
GERM	2312	Intermediate German II	GERM	2320	Intermediate German II
GOVT	2305	Federal Government (Federal Const & Topics)	POSC	2310	American National Government
GOVT	2306	Texas Government (Texas Const & Topics)	POSC	2320	State Government
HIST	1301	United States History I	HIST	2310	United States To 1877
HIST	1302	United States History II	HIST	2320	United States Since 1865
HIST	2321	World Civilizations I	HIST	1310	World Civilization To 1500
HIST	2322	World Civilizations II	HIST	1320	World Civilization Since 1500
MATH	1314	College Algebra	MATH	1311	College Algebra
MATH	1316	Plane Trigonometry	MATH	1312	Trigonometry
MATH	1332	Contemporary Mathematics I	MATH	1315	Contemporary Mathematics
MATH	1333	Contemporary Mathematics II	MATH	1315	Contemporary Mathematics
MATH	2305	Discrete Mathematics	MATH	2315	Discrete Mathematics
MATH	2312	Precalculus Math	MATH	1320	Pre-calculus
MATH	2314	Calculus II	MATH	2322	Calculus II
MATH	2318	Linear Algebra	MATH	2340	Linear Algebra
MATH	2413	Calculus I	MATH	2421	Calculus I
MUSI	1181	Piano Class I	MUAP	1113	Class Piano
MUSI	1182	Piano Class II	MUAP	1114	Class Piano
MUSI	1306	Music Appreciation	MULH	2301	Music Appreciation
MUSI	1311	Music Theory I	MUTH	1330	Theory I
MUSI	1312	Music Theory II	MUTH	1340	Theory II
MUSI	2181	Piano Class III	MUAP	1115	Class Piano III
MUSI	2182	Piano Class IV	MUAP	1116	Class Piano IV
PHED	2356	Care & Prevention of Athletic Injuries	KINE	2335	Accident Prevention & Care of Injuries
PHIL	1301	Introduction to Philosophy	PHIL	2350	Introduction to Philosophy
PHIL	1304	Introduction to World Religions	RELI	2350	Religions of the World
PHIL	2303	Introduction to Logic	PHIL	2360	Logic
PHIL	2306	Introduction to Ethics	SRLD	1300	Introduction to Ethics
PHYS	1401	College Physics I	PHYS	1410	General Physics I
PHYS	1402	College Physics II	PHYS	1420	General Physics II

TEXAS COMMON COURSE NUMBERING SYSTEM / MCMURRY EQUIVALENT

TCCN		TITLE	MCM		TITLE
PHYS	1410	Elementary Physics (1 semester course)	PHYS	1400	Introduction to Physics
PHYS	1411	Introductory Astronomy I	PHYS	1401	Astronomy
PHYS	1412	Introductory Astronomy II	PHYS	1401	Astronomy
PSYC	2301	General Psychology	PSYC	1340	Introduction To Psychology
PSYC	2314	Lifespan Growth & Development	PSYC	2360	Developmental Psychology: The Human Life Cycle
SPCH	1311	Introduction to Speech Communication	COMM	1310	Principles of Communication
SPCH	2335	Argumentation & Debate	COMM	2350	Argumentation & Advocacy
SOCI	1301	Introductory Sociology	SOC	2300	Introduction to Sociology
SOCI	1306	Social Problems	SOC	2350	Social Problems
SPAN	1411	Beginning Spanish I	SPAN	1410	Elementary Spanish I
SPAN	1412	Beginning Spanish II	SPAN	1420	Elementary Spanish II
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Assistant Football Coach

Lance Hinson
Head Football Coach

Ronda Hoelscher, RN
University Nurse

Jewels Howard
Director of Residence Life - Campus Apartments

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*Director of Human Resources
Mediation Officer*

Jaqlyne Jackson
Director of McMurry Fund

Barbara John, B.S.
Head Women's Golf Coach

Tim Kennedy, B.A., M.Div.
University Chaplain

Philippe Lilavois, B.S.
Assistant Men's Basketball Coach

Kay Liner
Admission Office Manager

Billy Libby, B.A., M.Div., M.A.
CHAMPS/Life Skills Director

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Head Athletic Trainer

Meagan Miller
Part-time Athletic Account Executive

Judy Moore
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Art Gallery Director

Terry Nixon, B.B.A.
Director of Institutional Research

Mark Odom, B.S.
Director of Security & Safety Officer

Taylor Owens, B.S.
Assistant Athletic Trainer

Brad Parris, B.S.
Head Track Coach

Camile Petree, B.S., M.Ed.
Head Volleyball Coach

Jerrold Plate
Assistant Sports Information Director

Blythe Pritchett, B.B.A.
Director of Advancement Services

James Quinnett, B.A.
Webmaster

Amelia Reeves, B.A.
Assistant Women's Basketball Coach

Alan Riches, B.S., M.S.
Head Women's Soccer Coach

Carole Ricketts, B.A., B.B.A.
Controller

Danielle Robarts
Assistant Volleyball Coach

Kendall Roberson, B.S.
Assistant Head Football Coach

Craig Roberts, B.B.A.
Director of Environmental Services

Melinda Rowland, B.A., M.A.
Admission & Recruitment Coordinator

Dirk Saltzgaber, B.S., M.A.
Assistant Baseball Coach

Carl Scott, B.S.
Director of University Wellness & Recreation

Kristina Simmons
Administrative Assistant, Alumni Relations

Michelle Smith
Loan Coordinator

Nancy Smith, B.S., M.Ed.
Executive Director of Donor Relations

Veronica Snow, A.A., B.Ed., M.Ed., D.S.M.
Head Women's Basketball Coach and Associate Athletics Director

Bishop Dan Solomon, B.A., M.Div., D.Min.
Bishop in Residence

Jay Spencer, B.B.S.
Assistant Athletic Trainer

Teresa Steele
Supervisor of the Post Office & Print Office

Michael Stephens, B.B.A., M.B.A.
Database Manager

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Admission Counselor

Paul Tate II, B. A.
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Rosemary K. Wallace, B.A., M. Gerontological Studies, M.A., Ed.D.
Director of McMurry-Dyess Program; Assistant Professor of Sociology

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Keely Acklin, B.B.A.
MOVE Technician

Billy Allen
Security Officer

Dale Baird,
Grounds

Walter Baird
Grounds

David Burke
Security Officer

Nicholas Barton
Grounds

Scott Bowden
Maintenance

Leslie Boyd,
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Angel Bradberry
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Clay Brown
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Danny Bucherie
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Sandra Champion,
Customer Service Technician

Amanda Cokonougher,
Student Inquires & Reception Corrdinator

Edwin Conant
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Carrie Copeland
Cashier

Paul Cortinaz
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Staff

Richard De La Rosa
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Lance Elm
Part-time Security Officer

Harlan Ferry
Part-time Postal Clerk

Patricia Hermann
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Maria Ibarra
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Mark Posival
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Tina Wright
Environmental Services Cleaning Technician

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