

# McMURRY

UNIVERSITY

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## 2020-2021

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.

McMurry is also accredited by  
Texas Education Agency

McMurry is approved for listing as a United Methodist affiliated institution by  
University Senate of the United Methodist Church

member of  
North American Association of Methodist Schools, Colleges and Universities  
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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2020-2021

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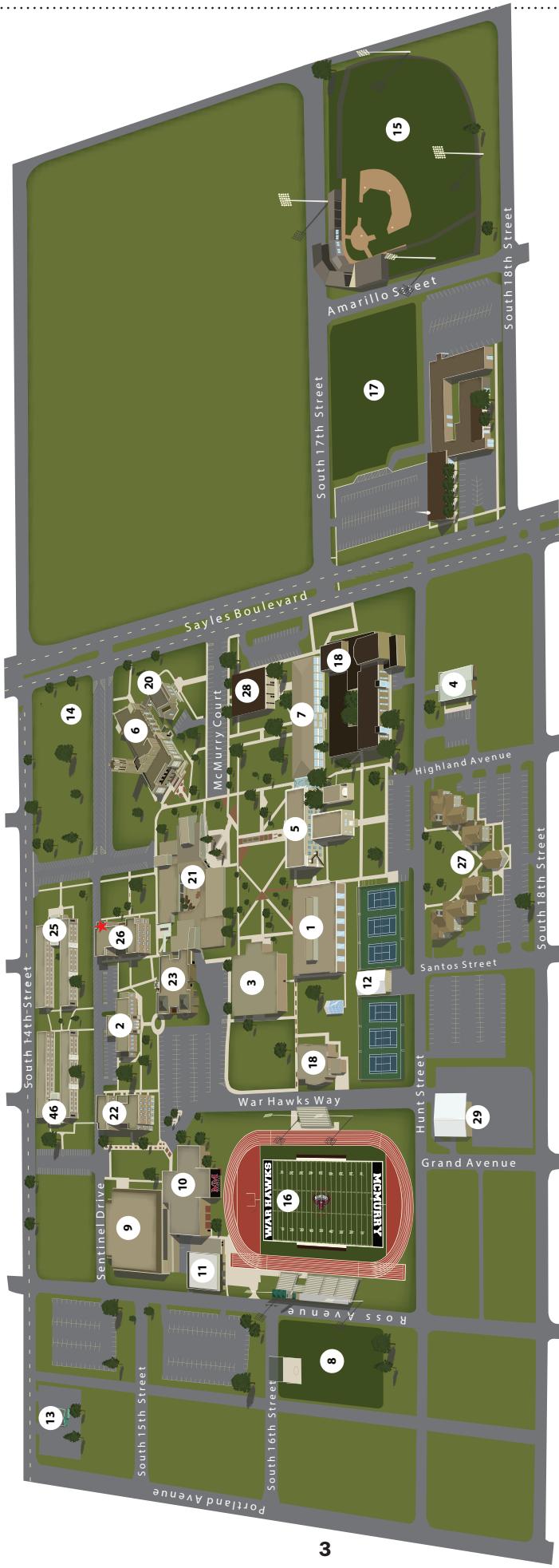
**DISCLAIMER**

*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 Photo by Jennifer Nichols.

**ACADEMIC BUILDINGS**

1. Finch-Gray Science Building
2. Iris Graham Education Building
3. Jay-Rollins Library/Academic Enrichment Center
4. Noel R. and Anita Henry Chapin Art Building
5. Old Main Building
6. Radford Auditorium
7. The Harold Groves Cooke Classroom Building

**ATHLETIC VENUES & PARKS**

8. Bobby Lee Carter Throws Complex
9. J.W. Hunt Physical Education Center/Kimbrrell Arena
10. Phillips Family Student Activities Center
11. R.M. Medley Field House
12. Seidel-Swagerty Tennis Center
13. Athletics Annex
14. Wah Wahtaysee Park
15. Walt Driggers Field
16. Wilford Moore Stadium
17. Intramural Field

**ARTS & OTHER BUILDINGS**

18. Ryan Fine Arts Center
19. Bynum Band Hall
20. Furr Welcome Center
21. Garrison Campus Center
22. Gold Star Residence Hall
23. J.E. & L.E. Mabee Dining Hall
24. JW Hunt Residence Hall
25. Martin Residence Hall
26. President Residence Hall
27. University Apartments

**ADMINISTRATION BUILDINGS**

28. C.E. Maedgen Administration Building
29. Maintenance Building

★ Security Office

**McMURRY UNIVERSITY ACADEMIC CALENDAR  
2020 - 2021**

<b>FALL 2020</b>		<b>AUGUST 24 - DECEMBER 11, 2020</b>
<b>Subterm 1</b>		<b>August 24 - October 16, 2020</b>
<b>Subterm 2</b>		<b>October 19 - December 11, 2020</b>
<b>■ AUGUST 2020</b>		
14	Faculty Retreat	1:00 pm - 4:00 pm
17	New Employee Orientation	8:00 am - 5:00 pm
18	New Faculty & New Adjunct Orientation	9:30 am - 3:00 pm
18	Beginning of school meeting for all Faculty/Staff	8:00 am
19	Faculty Meeting	9:30 am - 11:30 am
19	Division/Department Meetings	1:00 pm - 5:00 pm
19	Residence Halls Open for New Students	9:00 am
Week of 19-23	War Hawk Welcome Week	
20	Freshman Seminar	10:00 am - 12:00 pm
22	Residence Halls Open for Returning Students	9:00 am
<b>24</b>	<b>Fall Classes Begin</b>	<b>8:00 am</b>
28	Last Day to Register or Add a Full Term Course	5:00 pm
28	Last Day to Register or Add a Subterm 1 Course	5:00 pm
<b>■ SEPTEMBER 2020</b>		
1	Graduation Applications Due for May and August 2021 Graduates	
2	Official Fall Enrollment (Census)	5:00 pm
18	Last Day to Drop a Subterm 1 Course with a "W"	5:00 pm
18	Last Day to Submit Administrative Drop for Subterm 1 Course with a "W"	5:00 pm
24	Fall Convocation	11:00 am
25	Last Day to Drop or Withdraw from Subterm 1	5:00 pm
25	Last Day to Submit Administrative Drop for Subterm 1 Course	5:00 pm
<b>■ OCTOBER 2020</b>		
9	Last Day to Drop a Full Term Course with a "W"	5:00 pm
9	Last Day to Submit Administrative Drop with a "W" for Full Term Course	5:00 pm
12-15	Finals for Subterm 1 Courses	
<b>15-17</b>	<b>Homecoming (no classes on Friday)</b>	
16	End of Subterm 1	
19	Midterm Grades Due	12:00 Noon
19	Final Subterm 1 Grades Due in the Registrar's office	12:00 Noon
19	Subterm 2 Begins	
23	Last Day to Add a Subterm 2 Course	5:00 pm
<b>■ NOVEMBER 2020</b>		
4	Registration Begins for Spring 2020	6:00 am
13	Last Day to Drop a Subterm 2 Course with a "W"	5:00 pm
13	Last Day to Submit Administrative Drop w/ "W" for Subterm 2 Course	5:00 pm
20	Last Day to Drop a Full Term or a Subterm 2 Course	5:00 pm
20	Last Day to Withdraw from the University	5:00 pm
20	Last Day to Submit Administrative Drop for Full Term or Subterm 2 Course	5:00 pm

**McMURRY UNIVERSITY ACADEMIC CALENDAR  
2020 - 2021**

<b>25-27</b>	<b>Thanksgiving Holidays</b>	
<b>■ DECEMBER 2020</b>		
7-11	Final Examinations for Full Term & Subterm 2 Courses	
<b>11</b>	<b>End of Fall Term</b>	
11	Residence Halls Close	7:00 pm
14	Final Grades Due in the Registrar's office for Full Term & Subterm 2 Courses	12:00 Noon
<b>Dec 24 - Jan 1</b>	<b>Christmas Holidays (Offices Closed)</b>	

**McMURRY UNIVERSITY ACADEMIC CALENDAR  
2019 - 2020**

<b>SPRING 2021</b>		<b>JANUARY 11 - MAY 7, 2021</b>
<b>Subterm 1</b>		<b>January 11 - March 5, 2021</b>
<b>Subterm 2</b>		<b>March 15 - May 7, 2021</b>
<b>■ JANUARY 2021</b>		
<b>1</b>	<b>New Year Holiday</b>	
9	Residence Halls Open for New and Returning Students	9:00 am
<b>11</b>	<b>Spring Classes Begin</b>	<b>8:00 am</b>
15	Last Day to Register or Add a Full Term Course	5:00 pm
15	Last Day to Add a Course or Register for Subterm 1	5:00 pm
<b>18</b>	<b>Martin Luther King Holiday</b>	
21	Official Spring Enrollment (Census)	5:00 pm
<b>■ FEBRUARY 2021</b>		
1	Graduation Applications Due for December 2021 Graduates	5:00 pm
5	Last Day to Drop a Course for Subterm 1 with a "W"	5:00 pm
5	Last day to Submit Administrative Drop for Subterm 1 Course w/ a "W"	5:00 pm
12	Last Day to Drop or Withdraw from Subterm 1	5:00 pm
12	Last day to Submit Administrative Drop for Subterm 1 Course	5:00 pm
28	Last Day to Drop a Full Term Course with a "W"	5:00 pm
28	Last Day to Submit Administrative Drop with a "W" for Full Term Course	5:00 pm
<b>■ MARCH 2021</b>		
1-5	Final Exams for Subterm 1 Courses	
5	End of Subterm 1	
<b>8-12</b>	<b>Spring Break</b>	
15	Midterm Grades Due	12:00 Noon
15	Final Subterm 1 Grades Due in the Registrar's office	12:00 Noon
15	Subterm 2 Classes Begin	
19	Last Day to Add a Subterm 2 Course	5:00 pm
<b>■ APRIL 2021</b>		
<b>2</b>	<b>Good Friday Holiday</b>	
<b>5</b>	<b>Easter Monday Holiday</b>	
7	Registration Begins for May, Summer, Fall 2021	6:00 am
9	Last Day to Drop a Subterm 2 Course with a "W"	5:00 pm
9	Last day to Submit Administrative Drop for Subterm 2 Course w/ a "W"	5:00 pm
16	Last Day to Drop or Withdraw from Subterm 2	5:00 pm
16	Last Day to Submit Administrative Drop for Subterm 2 Course	5:00 pm
16	Last Day to Drop a Full Term Course or Withdraw from the University	5:00 pm
16	Last Day to Submit Administrative Drop for Full Term Course	5:00 pm
<b>■ MAY 2021</b>		
3-7	Final Examinations for Full Term & Subterm 2 Courses	
<b>7</b>	<b>End of Spring Semester</b>	
7	Residence Halls Close for Non-Graduating Students	7:00 pm
7	Rehearsal for Commencement	4:00 pm

# McMURRY

UNIVERSITY

<b>7</b>	<b>Baccalaureate</b>	<b>5:30 pm</b>
<b>8</b>	<b>Commencement</b>	<b>10:00 am</b>
10	Final Grades Due in the Registrar's office for Full Term & Subterm 2 Courses	12:00 Noon

**McMURRY UNIVERSITY ACADEMIC CALENDAR  
2020 - 2021**

**SUMMER 2021****May Term****Summer I****Summer II****MAY 10 - AUGUST 6, 2021****May 10 - 28, 2021****June 1 - July 2, 2021****July 6 - August 6, 2021****◆ MAY TERM 2021****■ MAY 2021****10 May Term Classes Begin**

10 Last Day to Register or Add a May Term Course 5:00 pm

11 Official May Term Enrollment (Census) 5:00 pm

14 Last Day to Drop a May Term Course with a "W" 5:00 pm

14 Last day to Submit Administrative Drop for May Term Course w/ a "W" 5:00 pm

21 Last Day to Drop a Course or Withdraw from the University for May Term 5:00 pm

21 Last Day to Submit Administrative Drop for May Term 5:00 pm

**28 End of May Term****31 Memorial Day Holiday****■ JUNE 2021**

1 Final May Term Grades due in the Registrar's office 12:00 Noon

**◆ SUMMER I 2021****■ JUNE 2021****1 Summer I Classes Begin**

2 Last Day to Register or Add a Summer I Course 5:00 pm

3 Official Summer I Enrollment (Census) 5:00 pm

11 Last Day to Drop a Summer I Course with a "W" 5:00 pm

11 Last day to Submit Administrative Drop for Summer I Course w/ a "W" 5:00 pm

25 Last Day to Drop a Course or Withdraw from the University for Summer I 5:00 pm

25 Last Day to Submit Administrative Drop for Summer I 5:00 pm

**■ JULY 2021****2 End of Summer I****5 July 4th Holiday**

6 Final Summer I Grades due in the Registrar's office 12:00 Noon

**◆ SUMMER II 2021****■ JULY 2021****6 Summer II Classes Begin**

7 Last Day to Register or Add a Summer II Course 5:00 pm

8 Official Summer II Enrollment (Census) 5:00 pm

16 Last Day to Drop a Summer II course with a "W" 5:00 pm

16 Last day to Submit Administrative Drop for Summer II Course w/ a "W" 5:00 pm

30 Last Day to Drop a Course or Withdraw from the University for Summer II 5:00 pm

30 Last Day to Submit Administrative Drop for Summer II Course 5:00 pm

**■ AUGUST 2021****6 End of Summer II**

9 Final Summer II Grades due in the Registrar's office 12:00 Noon

**August 23, 2021 – Fall 2021 Classes Begin**

# THREE YEAR PLANNING CALENDAR

## CALENDAR 2020

### January

S	M	T	W	T	F	S
1	2	3	4			
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

### February

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	
23	24	25	26	27	28	29
26	27	28	29	30		

### March

S	M	T	W	T	F	S
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

### April

S	M	T	W	T	F	S
						1
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

### May

S	M	T	W	T	F	S
31		1	2	3	4	5
6	7	8	9	10	11	12
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### June

S	M	T	W	T	F	S
						1
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

### July

S	M	T	W	T	F	S
30	31		1	2	3	4
6	7	8	9	10	11	12
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

### August

S	M	T	W	T	F	S
30	31		1	2	3	4
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
25	26	27	28	29	30	31

### September

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20	21	22	23	24	25	26
27	28	29	30			

### October

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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

### November

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

### December

S	M	T	W	T	F	S
						1
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

## CALENDAR 2021

### January

S	M	T	W	T	F	S
31		1	2	3	4	5
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### February

S	M	T	W	T	F	S
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
21	22	23	24	25	26	27

## CALENDAR 2022

### January

S	M	T	W	T	F	S
30	31		1	2	3	4
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

### February

S	M	T	W	T	F	S
						1
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### March

S	M	T	W	T	F	S
						1
1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28

### April

S	M	T	W	T	F	S
						1
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

### May

S	M	T	W	T	F	S
30	31		1	2	3	4
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
25	26	27	28	29	30	31

## NOTES

# 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.

# **GENERAL INFORMATION**

**Introduction to McMurry**

**Campus Life**

**Admission Procedures**

**Financial Information**

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*

# INTRODUCTION TO McMURRY

## MISSION OF McMURRY UNIVERSITY

Shaped by Christian principles, McMurry University challenges students to examine our complex world from multiple perspectives in preparation for lives of leadership, service, and professional success.

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

### **McMurry is shaped by Christian principles.**

As a United Methodist institution grounded in traditions of intellectual achievement and vital piety, McMurry nurtures and cares for students as they face the many challenges of higher education. The institution provides the support necessary to encourage students to grow as whole persons – spiritually, emotionally, morally, intellectually, socially, and physically. The McMurry community expresses its Christian principles through hospitality and gracious interactions with those who do and those who do not identify with the Christian faith. The institution encourages connections between people of varying circumstances, cultures, languages, and beliefs.

### **McMurry challenges students to examine our complex world from multiple perspectives.**

The goal of a McMurry education is to provide the foundation for an examined, informed, and purposeful life. To that end, academic programs encourage students to build on the broader curricular experience and integrate the various disciplines' core ideas while developing fundamental skills in communication, analysis, and reasoning. McMurry strives to create an environment in which students can examine their own and others' perspectives to become, not simply consumers of knowledge, but sophisticated producers of knowledge connected to a global world. Such an environment better prepares women and men of all backgrounds to engage others in working toward the common good.

### **McMurry prepares students for lives of leadership, service, and professional success.**

Through its curricular and extra-curricular opportunities, McMurry gives students practical experience in leadership and service. The institution places particular importance on servant leadership, an approach that focuses on empowering followers by encouraging and supporting the growth of others. The university develops servant leaders who seek to transform communities through listening first, emphasizing excellence and empathy, and inspiring an attitude of service. McMurry graduates have a solid basis for achievement in their religious, civic, professional, and family communities. McMurry expects its alumni to perform as servant leaders in diverse and complex environments and to use their leadership skills for the betterment of community and society.

## 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 & 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 Mabee Room, students' free time may be spent in the Sports Grille or the Nest, 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 Mabee 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, Carleton Chapel and the Religious and Spiritual 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 its two-story wall of windows on the Mezzanine floor. The steel and glass architecture 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 and Advancement 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, men's and women's soccer matches 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

## **Buildings & Facilities**

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, and internet access. Other services provided include 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 is assisted by the AEC Math Coordinator, the AEC Writing Coordinator, one professional tutor and two professional staff members. 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:	8:00 a.m. - 5:00 p.m.
and	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 houses a growing collection of print and digital resources, including books, periodicals, databases, e-journals, e-books and media. As an added value, 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 are accessible on the library's home page.

**<http://library.mcm.edu>**

With the Multi-Search database, patrons can search the catalog, databases, and online books and journals at the same time. Off-Campus access to databases is available using a McMurry email login and password. The Learning Commons encompasses a student computing area, a Periodicals reading area, the Academic Enrichment Center (AEC), 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.

The Library has WiFi access throughout the building and The Brew, a coffee shop in the lobby. Two classrooms, L201 and L202, are located on the second floor.

Three professional librarians are assisted by two full time staff members, two part time staff members, and student assistants. The library is open 75.5 hours a week during the fall and spring semesters.

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.

The University Archives and three special collections are located in the Library: the J.W. Hunt Library of Texana and the Southwest, the E. L. and A. W. Yeats Collection, and the Clement Collection. 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. Equipment includes rtPCR, gel imaging system, a variety of incubation methods, fermenters, several research-grade microscopes, tissue culture capability, and numerous centrifuges for supporting the study of cells and organisms. Field resources include environmental sampling materials, a variety of conventional, live, and camera traps, equipment for aerial, ground, and water-based sampling, and resources for GIS mapping and analysis. 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, gas chromatograph mass spectrometer (GC-MS), and a research-grade microwave synthesizer. Other major instruments include a Fourier transform infrared spectrometer (FTIR), 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. Recently upgraded machine shop includes a lathe, a mill and other mechanical equipment that allows students to work on the projects involving design and building of mechanical devices. Several 3D printers and a 3D scanner are available for student use to print plastic parts for various engineering projects. 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 participates in 20 intercollegiate sports. Men are provided opportunities to compete in baseball, basketball, cross country, football, golf, soccer, swimming, tennis and track and field (indoor and outdoor). Women are provided opportunities to compete in basketball, cross country, golf, soccer, swimming, softball, tennis, track and field (indoor and outdoor) and volleyball.

## **Philosophy and Purpose of Intercollegiate Athletics**

The McMurry Athletic Department is committed to the enhancement of the educational experiences of its scholar-athletes within the established Christian Liberal Arts tradition of the university. Through the provision of equitable opportunities for growth and excellence through intercollegiate athletics competition and the intentional integration of athletics and academic experiences, the Athletics Department is dedicated to the academic success and progress toward graduation of its scholar-athletes, as well as the development of skills necessary for lifelong social responsibility and service. Furthermore, the Athletics Department seeks to maintain personal and professional integrity by adhering to the philosophies and ethical standards of the National Collegiate Athletics Association (NCAA), the American Southwest Conference (ASC) and McMurry University.

## **Athletic Department Mission**

The McMurry University Athletics Department will make personal investments in the lives of our scholar-athletes and use the intercollegiate athletics experience to Develop Champions for Life!

## **Departmental Core Values – War Hawks R.I.S.E.**

### **Responsibility**

We will be great ambassadors to McMurry, while setting a positive example for young people on our campus and in our community.

### **Integrity**

Our actions will be consistently honest, humble, and Christ-Centered.

### **Service**

We will be great teammates to our peers and to our community.

### **Excellence**

We will work tirelessly to achieve goals in the classroom and in competition.

## **MUSIC ORGANIZATIONS**

**McMURRY MARCHING BAND:** The McMurry Marching Band consists of students from all areas of study, including music majors and non-majors. Participation is required for all instrumental music majors and those on departmental scholarship. 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 contemporary new works for band.

**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.

## Campus Life

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### 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.

**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 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 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.

**SOCIOLOGY AND CRIMINOLOGY CLUB.** The McMurry Sociology Club was organized in the fall of 1982. The group renamed, Sociology & Criminology Club, in 2017. The purpose of the Club is to promote the study of society, to enhance the understanding of careers and professionalization, and to encourage fellowship among students interested in sociology and/or criminology.

### SPECIAL INTEREST GROUPS

**MCMURRY STUDENT FOUNDATION (MSF):** The McMurry Student Foundation (MSF), formerly known as the Student Ambassador Board, was established in 1992. The purpose of this organization is to act as a liaison between McMurry students, alumni, and special guests. The members of 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 to increase awareness throughout the student population about philanthropy and what it means to be engaged alumni. MSF plays a vital role in the mission of McMurry University: preparing students for a fulfilling life of leadership and service.

**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

#### Clubs for Men:

HEI  
KIVA  
Ko Sari  
Makona  
XO  
T.I.P.

### 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 AND SPIRITUAL LIFE

Religious and Spiritual Life Office – Garrison Campus Center Room 107. Sharing in United Methodism's concern that "knowledge and vital piety" be creatively joined, McMurry University emphasizes its mission and core values centered on the spiritual dimension of life. The University Chaplain and Assistant Chaplain serve as advisors, mentors, and companions on the journey to provide leadership and direction with students, faculty, staff, and administrators who desire to live out their own calling for spiritual health and wellbeing. Students are encouraged to take an active part in religious and spiritual activities on campus. Opportunities are available for everyone to attend and lead in a variety of worship settings; participate in fellowship, study, and accountability groups; explore vocations in service to

## Campus Life

others; and grow in wisdom and maturity in their faith and life journey. Organizations associated with Religious and Spiritual Life include: FCA (Fellowship of Christian Athletes), BTA (Better Together Alliance) and RSL (Religious and Spiritual Life).

## 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, and grief. All on-campus counseling services are free and confidential to McMurry students and staff.

## CAREER DEVELOPMENT

McMurry University office of Career Development 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** – Facilitate Work Study award verification and hiring process. Provide online listings and job search tools for off-campus part-time and full-time jobs as well as internships. Resume and cover letter assistance is available. Opportunities are provided for on-campus recruiting, on-campus interviews, workshops and other career development support.
- ◆ **Special Programs** – Recruiters from across the state come to our on-campus and off-campus Career Fairs to recruit our students and alumni. Senior programming brings together many resources for seniors to gain information concerning graduation and life afterward. The Etiquette Dinner offers an informational dining experience on proper etiquette.

## HEALTH SERVICES

The Health Services Office is open Monday - Thursday 8:00 am - 4:30 pm. Closed on Friday. 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.

### 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. The bacterial meningitis vaccination required by law to attend college must include protection from A, C, W and Y meningococcal strains. Bacterial Meningitis B is not required by law.

### Insurance

**Domestic Student:** All students are required to have health insurance and must supply copy of front and back of health insurance card to have on file in Health Services.

**International students:** All international students are required to have health insurance coverage. Health insurance will be provided to international student that do not have insurance coverage and the cost will be applied to their student

accounts. To avoid being charged for health insurance, students must provide documentation that their personal insurance provides all of the following:

- ◆ Minimum of \$90,000 coverage for injury and illness
- ◆ Repatriations/evacuation required
- ◆ If a student athlete - coverage must include intercollegiate sport injuries.
- ◆ Must make arrangements to opt-out in person in the Health Services and provide a copy of the front and back of their health insurance card.

## THE OFFICE OF ACCESSIBILITY AND ACCOMMODATIONS

The purpose of The Office of Accessibility and Accommodations 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 Accommodations 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 Accommodations 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 Disability Coordinator.

## 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 RECORDS

McMurry University adheres to the Family Educational Rights and Privacy Act of 1974 (FERPA) that governs the access and release of information from a student's education records. This policy applies to the education records of all students beginning the first class day of the first term of attendance at McMurry, and includes all methods of enrollment.

## **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.

## **DISCLOSURE OF STUDENT RECORDS**

In general, personally identifiable information from a student's education record 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<br>◆ Date and place of birth<br>◆ Hometown<br>◆ Local and permanent address / telephone numbers<br>◆ Directory phone<br>◆ Student's McM email address<br>◆ Major and minor fields of study<br>◆ Anticipated degree<br>◆ Dates of attendance<br>◆ Degrees and awards received<br>◆ Classification | ◆ Anticipated graduation dates<br>◆ Student enrollment status (full-time / part-time)<br>◆ Currently enrolled or not<br>◆ Participation in officially recognized activities and sports<br>◆ Weight and height of members of athletic teams<br>◆ Previous educational agencies or institutions attended<br>◆ Photographs |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## **WITHHOLDING DIRECTORY INFORMATION**

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.

## **For questions or more information please contact:**

Registrar's Office                                          Phone: 325.793.3888  
 1 McMurry University Box 338                              Fax: 325.793.3830  
 Abilene TX 79697                                          Email: registrar@mcm.edu

## **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.

## **MYMCM – STUDENT RECORDS**

Students are encouraged to view or print unofficial transcripts, semester grades, course schedules, and degree audits online through MYMCM, which is located on the McMurry web site. In addition, online registration is available each semester once the student has visited with an assigned academic advisor. The Registrar's office (325.793.3888) can assist students with information concerning academic student records and information, and registration. For questions concerning login or password information to access MYMCM, contact the Helpdesk at 325.793.4900.

## **TRANSCRIPTS**

### **REQUESTS FOR MCMURRY TRANSCRIPT**

Official transcripts are requested through Parchment Services and require a processing fee of \$5.00 per transcript. A Parchment log-in link and information is provided on the Registrar's Office page of the McMurry website. Normal processing time is 2-4 business days (3-5 business days during heavy volume times of the semester). Transcripts cannot be released for students with a "hold" on their account or records with the university until the hold is cleared with the office involved. Unofficial transcripts are not available for former McMurry students. Current students have access to an unofficial transcript through MYMCM. McMurry requires that the student request their own transcript to be sent either electronically, picked up in person, or mailed to the indicated person and address. Transcripts requested by another college, university, or agency are not processed.

## **TRANSCRIPTS RECEIVED FROM OTHER INSTITUTIONS**

Once transcripts are received at McMurry from a high school or another college or university, they become the property of McMurry. Except in certain situations dealing with foreign transcripts, copies of received transcripts are not provided and transcripts are not returned to the student, whether or not the student attends McMurry.

# 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<br>◆ Mathematics<br>◆ Science<br>◆ Social Sciences<br>◆ Foreign Languages | 4 units (not correlated language arts)<br>4 units (algebra I & II, geometry and above)<br>4 units<br>4 units<br>2 units* |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

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

## **Admission Policies / Steps for Admission / Entrance Classifications**

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**

### **Freshman Students**

Freshman students are those who have not previously attended college and who have graduated from an accredited high school, completed the GED, or have been homeschooled and can prove competency through the 12th grade level. Students who are 18 years of age or older, have not earned a high school diploma, and have never attended college will be considered for admission as freshmen if they can present evidence of having scored a minimum of 550 overall, 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) and extracurricular activities. 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.

### **Freshman 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. Applicants 22 years or older are not required to take the ACT or SAT.

### **Homeschooled 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. (Optional) Submit 3 letters of recommendation from persons other than parents or peers, preferably persons with knowledge of the student's academic ability.

Note: **Homeschooled 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 coursework is not accepted for transfer credit but is taken into consideration in admission decisions. Transferable coursework with grades of "D" or below is not accepted for transfer credit but is used in determining transfer GPA. No more than eight semester hours of Health Fitness courses will be accepted as credit toward a bachelor's degree or used to calculate transfer GPA.

### **Transfer Admission Requirements:**

Students admitted as transfers may begin enrollment at the beginning of a fall term, spring term, May term, summer I or summer II term. 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 school 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 "Academic Probation and Suspension" later in the catalog 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. Official transcripts must be recently requested from previous schools. Transcripts older than 1 year will not be accepted.
4. Those who have completed fewer 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 toward 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 "Freshman 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 coursework 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 of credit which 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 has been successfully completed in residence at the main campus or at McMurry-Dyess Air Force Base Program.

### **McMurry Online Degree Program**

McMurry University currently offers two degrees that are delivered completely online: a B.B.A. degree with a major in General Business and a B.S. degree with a major in Criminal Justice. In addition a B.S.N. degree is available that is specifically for RN to BSN articulation, and is online with the exception of the science and math requirements. Admission for the online degree program follows the policies for new freshmen or transfer students, and also requires the student to be at least 24 years old and not enrolled at McMurry for the last two long semesters. The online courses are offered in 8-week terms and financial aid is available for students who qualify.

### **Transient Students**

Transient students are those enrolled at another institution who wish to take coursework 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. A transient student who subsequently pursues 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 unofficial\* 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. A special admission student who subsequently pursues 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 his/her 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 [mcm.edu/apply](http://mcm.edu/apply)
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 one of the following:
  - ◆ 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.

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.dhs.gov/sevis/i901/index.htm>

**Health Forms**

All students must complete the following forms, which will be forwarded to the health office:

- Tuberculosis Screening Questionnaire form and, if indicated, a TB skin test or chest x-ray.
- Report of Medical History and Consent of Medical Treatment form.

**Immunizations:** All students must submit a copy of their basic childhood vaccinations, including the following:

- Bacterial meningitis – see Health Services section for detailed information.
- MMR (Measles, Mumps and Rubella) – two injections since age one. MMR may have been included in the student's childhood vaccinations.

**Insurance:** All students are required to have health insurance. See Health Services section.

## 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 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 1013D, ACAD 1023D, ENGL 1041D, ENGL 1013D, ENGL 1023D, ENGL 1033D, MATH 1013D, and MATH 1023D. 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. McMurry University offers placement testing; however, students may also submit TSI (Texas students) or Accuplacer scores to meet this requirement. 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.

<b>SAT (2016) Math:</b>	560 or higher
<b>SAT (2016) Reading</b>	27 or higher
<b>SAT (2016) Writing &amp; Language:</b>	28 or higher
<b>ACT English:</b>	19 or higher
<b>ACT Math:</b>	23 or higher
<b>ACT Reading:</b>	19 or higher

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**

<b>DEPARTMENT</b>	<b>EXAM</b>	<b>SCORE</b>	<b>CREDIT AWARDED</b>
<b>ART</b>	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
<b>BIOLOGY</b>	Biology	3/4/5	BIOL 1401
<b>CHEMISTRY</b>	Chemistry	3	CHEM 1410
	Chemistry	4/5	CHEM 1410,1420
<b>COMPUTER SCIENCE</b>	Computer Science A	3/4/5	COSC 1325 or COIS 2350* (see note below)
<b>ECONOMICS</b>	Macro	3/4/5	ECON 2310
	Microeconomics	3/4/5	ECON 2320
<b>ENGLISH</b>	Language & Composition	4/5	ENGL 1310 (no writing sample)
	Literature & Composition	4/5	ENGL 1320 (no writing sample)
<b>FRENCH</b>	Language, Literature	3	FREN 1410, 1420
	Language, Literature	4/5	FREN 1410, 1420, 2310, 2320
<b>GERMAN</b>	German Language	3	GERM 1410, 1420
	German Language	4/5	GERM 1410, 1420, 2310, 2320
<b>GEOSCIENCE</b>	Environmental Science	3/4/5	GEOS 1405
<b>GOVERNMENT</b>	American Government	3/4/5	POSC 2310
<b>HISTORY</b>	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
<b>MATHEMATICS</b>	Calculus AB	3/4/5	MATH 2421
	Calculus BC	3/4/5	MATH 2421, 2322
<b>MUSIC</b>	Music Theory	3/4/5	MUTH 1330, MUTH1130
<b>PHYSICS</b>	Physics C - Mechanics	4/5	PHYS 1410
	Physics C - Electricity	3	PHYS 1400
	Physics C - Electricity	4/5	PHYS 1420
	Physics I	3	PHYS 1400
<b>PSYCHOLOGY</b>	Psychology	3/4/5	PSYC 1340
<b>SPANISH</b>	Language & Literature	3	SPAN 1410, 1420
	Language & Literature	4/5	SPAN 1410, 1420, 2310, 2320
<b>STATISTICS</b>	Statistics	3	MATH 3351

\* Determined by department assessment of student's programming experience.

## CLEP SUBJECT EXAMINATIONS

DEPARTMENT	EXAMINATION	EQUIVALENT COURSE	SCORE	CREDIT AWARDED
BIOLOGY	Biology	BIOL 1401 Principles of Biology	50	4
BUSINESS	Financial Accounting Business Law, Introductory Info Syst. & Comp. Appl. Macroeconomics, Principles of Microeconomics, Principles of Principles of Management Principles of Marketing	ACCT 2310 Financial Accounting BUSI 4370 Business Law I COIS 3380 Mgmt Information Systems ECON 2320 Macroeconomics ECON 2310 Microeconomics MGMT 3310 Principles of Management MKTG 3370 Principles of Marketing	50 50 50 50 50 50 50	3 3 3 3 3 3 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  Analyzing & Interpreting Lit.  English Literature  College Composition Modular	ENGL 2320 Masterpieces of American Literature  ENGL 1320 Composition and Literature  ENGL 2310 Masterpieces of British Literature  ENGL 1310 Composition and Rhetoric	50 50 50 50	3 3 <sup>1</sup> 3 3 <sup>1</sup>
FRENCH	French Language	Elem French/Intermediate French	50	4-14 <sup>2</sup>
GERMAN	German Language	Elem German/Intermediate German	50	4-14 <sup>2</sup>
HISTORY	History of US I History of US II Western Civilization I Western Civilization II	HIST 2310 United States to 1877 HIST 2320 United States to 1877 HIST 1310 World Civilization to 1648 HIST 1320 World Civilization Since 1648	50 50 50 50	3 3 3 3
MATHEMATICS	Calculus College Algebra Pre-Calculus	MATH 2421 Calculus I MATH 1311 Algebra MATH 1320	50 50 50	4 3 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 Human Growth & Development	PSYC 1340 Introduction to Psychology PSYC 2360 Developmental Psychology	50 50	3 3
SPANISH	Spanish Language	Elem Spanish/Intermediate Spanish	50	8-14 <sup>2</sup>
SOCIOLOGY	Introductory Sociology	SOCI 1310 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. Clinical 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 January 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 January 15th. The FAFSA may be completed on line each year beginning October 1st at [www.fafsa.ed.gov](http://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 if a student withdraws. 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, 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 or the TASFA (Texas Application for State Financial Aid) if federally ineligible.

## WORK ASSISTANCE

On-campus employment is provided by two sources. McMurry Work Program and the Federal College Work Study Program provide employment for students who show financial need in meeting expenses.

## LOAN ASSISTANCE (to be repaid)

McMurry participates in the William D. Ford Direct Loan Program, and certifies loans from other private lenders. Students and parents wishing to participate in federal 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 1<sup>st</sup>). 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 no longer offers athletic scholarships to new freshman or transfer students due to Division III regulations.

**Presidential Scholarship** - First-time freshman, with at least a 3.75 HS GPA and an ACT of 27 or higher or SAT of 1280 or higher may be eligible for a merit scholarship up to \$15,000. This scholarship is renewable for 3 years with a 2.75 cumulative GPA with McMurry. Students receiving this scholarship may not receive any other institutional scholarships in excess of the cost of tuition. Cannot be used for intercollegiate classes.

**University Scholarship** - First-time freshman, with at least a 3.50 HS GPA and an ACT of 25 or higher or SAT of 1200 or higher may be eligible for a merit scholarship up to \$14,000. 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 scholarships in excess of the cost of tuition. Cannot be used for intercollegiate classes.

**Deans Scholarship** - First-time freshman, with at least a 3.25 HS GPA and an ACT of 23 or higher or SAT of 1130 or higher may be eligible for a merit scholarship up to \$12,000. 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 scholarships in excess of the cost of tuition. Cannot be used for intercollegiate classes.

**Step Up Scholarship** - First-time Freshmen, must be awarded the Deans Scholarship. The Step Up scholarship provides a financial incentive for students to achieve academic success. Deans Scholarship recipients may receive an additional \$1,500 after they complete at least 30 credit hours AND maintain at least a 2.50 GPA. Once these students complete at least 60 credit hours AND maintain at least a 2.50 GPA they will receive an additional \$1,000. Students are reviewed for the Step Up Scholarship annually prior to the beginning of the Fall semester (students meeting the criteria in the middle of the year will receive the scholarship the following year).

## Financial Assistance

Example

Freshman Year	Sophomore Year	Junior Year	Senior Year
	Completed 30 credits and at least a 2.50 GPA	Completed 60 credits and at least a 2.50 GPA	
Deans Scholarship	Step Up: \$1,500 Total: \$13,500	Step Up: \$1,000 Total: \$14,500	\$14,500

**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 may be combined with a need based scholarship upon completion of the FAFSA.

1. **Phi Theta Kappa** - A scholarship amount up to \$15,000 per year is offered to incoming transfer students 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.
2. **Transfer I** of up to \$13,000 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.
3. **Transfer II** of up to \$12,000 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.
4. **Transfer III** of up to \$10,000 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.
5. **Transfer Award** of up to \$9,000 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 may be eligible to receive a 30% discount in the cost of tuition. This scholarship cannot be received concurrently with any merit aid. 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 1030 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.

### Family Business Center Scholarship

The Family Business Center Scholarship is available to a senior Business student who is the relative (son, daughter, grandson or granddaughter) of parents or grandparents who own a family business. The scholarship is awarded by the School of Business. For the scholarship application, contact the Dean of the School of Business.

## 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](http://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 Texas 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 Assistance**

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### **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. See Financial Aid Probation and Suspension section.

### **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 (pass) at least 67% 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 of 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](http://www.mcm.edu/newsite/web/financial_aid/progress.htm)

### **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 financial aid suspension only once while enrolled at McMurry. The student must submit a formal written request for an appeal hearing to the Financial Aid Office within 15 calendar days of receiving notice of denial, withdrawal, or reduction of financial aid unless the appeal is included as part of a suspension appeal, in which case the procedures of suspension appeals must be followed. A student's need for financial aid or desire to continue attending McMurry University is not a valid reason for a financial aid appeal. Requests that do not contain a valid reason for an appeal will be dismissed with no action and the student will be notified that a valid request may still be submitted within the original 15-day window.

### **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 2020-2021 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)	14,265.00	28,530.00
Student Activity Fee	45.00	90.00
Average Housing and Meals		
(Freshmen) (15 meals per week)	4,274.00	8,548.00
Average books and supplies	<u>600.00</u>	<u>1,200.00</u>
Total Direct Costs	19,184.00	38,368.00

### **INDIRECT LIVING COSTS FOR STUDENT:**

Estimated transportation expense	1,014.00	2,028.00
Estimated personal expenses	<u>1,514.00</u>	<u>3,028.00</u>
Total Costs:	21,712.00	43,424.00

### **TUITION:**

Tuition is calculated based on enrollment on the Official Enrollment Day.

Block Tuition Rate (Fall or Spring)	14,265.00
(Block Rate 12 or more hours)	
Hourly Tuition Rate (1-11 hours)	892.00

### **NURSING PROGRAM CHARGES/SEMESTER**

Block Tuition (Will be assessed on all full time students) .....	14,265.00
Part Time assessed per semester hour .....	892.00
Nursing Graduate Student (MSN) per semester hour.....	892.00

### **OTHER SPECIAL PROGRAM CHARGES**

Master of Accountancy (M.Acc.) per semester hour .....	1,000.00
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### **OTHER FEES**

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
McMurry Mail Box Rental (Off-Campus Student Only).....		20.00
Music Fee      Per Course:    1 Hour	.....	130.00
2 Hour	.....	180.00
Music Large Ensemble Fee (first large ensemble only) .....		100.00
Orientation Fee (First-time full-time student) .....		210.00
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	.....	115.00

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

### **STUDENT ACTIVITY FEE**

Full Time:	\$45.00
Part Time :	\$3.00 / credit hour

### **SPECIAL PROGRAMS**

Intercollegiate enrollment is possible through Hardin-Simmons and Abilene Christian University 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 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 Accounts 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.

### **HOUSING AND MEALS 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.

### **HOUSING FEES PER SEMESTER**

<b>Gold Star Resident Hall</b>	(Double Occupancy Fall, & Spring Semester) .....	1,800.00
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May .....	250.00
Summer I .....	350.00
Summer II .....	350.00

### **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.....	2,112.00
Triple Occupancy (Hunt only) .....	1,908.00
Semi-private Room .....	2,418.00

## Schedule of Charges / Payment of Account

**Apartment** Rent per Month:

2 Bedroom.....	465.00
3 Bedroom.....	410.00
4 Bedroom.....	370.00

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

### MEALS: Semester Charge (plus applicable state & local taxes)

**Students residing in a residence hall are required to choose one of the following three meal plans.**

Unlimited Meal Plan

\$2,293.00 + \$50 munch money + 189.00 tax.....2,532.00

18 meals per week:

\$2,057.00 + \$100 munch money + 170.00 tax.....2,327.00

15 meals per week:

\$1,812.00 + \$200 munch money + 150.00 tax.....2,162.00

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

5 meals per week \$647 + \$100 munch money + \$53 tax.....800.00

40 meals per semester \$352 + \$200 munch money + \$29 tax.....581.00

80 meals per semester \$676 + \$125 munch money + \$56 tax.....857.00

Munch money minimum increments .....50.00

If a student living off campus or in a campus apartment chooses to have a meal plan, financial aid, a full payment, or a TMS plan must cover the cost of the meal plan. The meal plan can only be added to the student's account through the Student Accounts Office located in the Maedgen Administrative building. Students who live off campus or in a campus apartment must have the meal plan added to their student account each semester. All unused munch money is forfeited at the end of the Spring Semester.

### Enrollment Deposit

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. The remaining \$150 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.**

### Admissions Deposits

#### On-Campus Student

Room Deposit .....	100.00
Advanced Tuition/Fee Deposit.....	<u>150.00</u>
	250.00

#### Off Campus Student

Advanced Tuition Deposit.....150.00

#### International Student

Advanced Tuition .....1,500.00  
Room Deposit, if applicable .....150.00  
1,650.00

### PAYMENT OF ACCOUNT

- When a student completes the registration process, the total amount of tuition, housing and meals 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 (TMS) 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.
- McMurtry University will honor the eligibility of third party payments. Those would include but are 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 will match a tuition charge to any payment by a third party for earned days of enrollment on or prior to the Official Enrollment Day.
- 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 TMS that result in insufficient funds will be subject to fees and assessed by TMS.
- A service charge of 1.5% will be assessed on the night of the 20th of each month on balances left unpaid after 30 days, if a TMS plan is not set up.
- A diploma will not be issued to a student until his financial obligations to the University have been satisfied.
- McMurtry University will place a hold on future enrollment and 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.
- Each semester, it is the responsibility of the student to check with the office of Student Accounts to verify that scholarships, third party payments, or federal funds are credited to their account. All questions or problems pertaining to payment of accounts should be discussed with a representative of the Student Accounts 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 mcm.afford.com
- Checks should be made payable to McMurry University. We cannot accept post-dated checks. Personal checks will have the student ID number written on them by University staff if a student has not done so already. Personal checks up to \$100 per day are allowed to be cashed with a student ID at the Student Accounts Office. No two-party checks may be cashed.
- No refund check will be issued for less than \$10 unless requested.
- Full-time students will receive a Laptop PC. Should enrollment cease before graduation, a buyout option is available. During the time of enrollment, McMurry will supply the maintenance of hardware and software for the PC; however, a cost may apply if damage exceeds the cost of the unit. Please read your Mobile Computing Program Student License Agreement thoroughly for the terms and conditions. The PC and all its parts must be returned to the University when enrollment ceases before graduation. If not returned, the cost of the computer will be added to your account.
- Credit balances can occur from overpayment of financial aid. This credit is usually caused from loan funds intended for living expenses. These funds become available after the Official Enrollment Day and after they have hard posted to a student's account unless a hold is placed on those funds for financial aid adjustment or student financial auditing. A student may request the credit balance at the Student Accounts Office in the form of a cashier's check; however, there will be no advances given.
- The University will cease payments on accounts that have been paid in full. This includes but is not limited to cancelling a TMS plan for an account that has been paid in full.
- If a student leaves the University with a student account balance, the account will be subject to collection activity by a third party collection agency. At the time that the account is placed with a third party agency, a collection fee of up to 1/3rd of the balance will be assessed.

## **Withdrawing from the University / Tuition Refunds**

Students leaving the University upon graduation, transferring, or withdrawing should check in with the Student Billing Office in their final semester to confirm that there are no unpaid charges and make arrangements to pay any remaining balance immediately.

### **WITHDRAWING FROM THE UNIVERSITY AND TUITION REFUNDS:**

No tuition refunds or credits will be made on dropped classes after the Official Enrollment 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 Official Enrollment day. Room cost is non-refundable upon withdrawal after the Official Enrollment day, but board costs will be prorated to the withdrawal date upon the receipt of the withdrawal form in Student Accounts.

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:

#### **2020-2021**

##### **Fall Semester 2020**

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

##### **Aug 24 - Dec 11**

August 24 - September 2
September 3 - 11
September 12 - 18
September 19

##### **Subterm 1**

##### **Fall 2020**

##### **Aug 24 - Oct 16**

100% refund	Aug 24 - 28
75% refund	Aug 29 - Sep 2
50% refund	Sep 3 - 4
0% refund	Sep 5

##### **Subterm 2**

##### **Fall 2020**

##### **Oct 19 - Dec 11**

100% refund	Oct 19 - 23
75% refund	Oct 24 - 28
50% refund	Oct 29 - 30
0% refund	Oct 31

##### **Spring Semester 2021**

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

##### **January 11 - May 7**

January 11 - 21
January 22 - 29
January 30 - February 5
February 6

##### **Subterm 1**

##### **Spring 2021**

##### **Jan 11 - March 5**

100% refund	Jan 11 - 15
75% refund	Jan 16 - 20
50% refund	Jan 21 - 22
0% refund	Jan 23

##### **Subterm 2**

##### **Spring 2021**

##### **Mar 15 - May 7**

100% refund	Mar 15 - 19
75% refund	Mar 20 - 24
50% refund	Mar 25 - 26
0% refund	Mar 27

##### **May Term 2021 May 10 - 28**

100% refund	May 10 - 11
0% refund	May 12

##### **Summer I 2021**

##### **June 1 - July 2**

100% refund	June 1 - 3
50% refund	June 4 - 8
0% refund	June 9

##### **Summer II 2021**

##### **July 6 - Aug 6**

100% refund	July 6 - 8
50% refund	July 9 - 13
0% refund	July 14

### **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% tuition refund through the Official Enrollment day for each semester. No financial aid will be granted during that time. After the Official Enrollment day of each semester, a decreasing percentage of tuition 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 partial amount 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 due from the student 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	
Unearned 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	<u>1000.00cr</u>
Title IV Aid	<u>4000.00cr</u>
Balance Owed by Student	1000.00
Withdrew 0% University Tuition Refund Policy	0.00
Withdrew at 40% Title IV	
Unearned 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.

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.

## **Withdrawing from the University / Tuition Refunds**

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### **MEDICAL WITHDRAWAL POLICY**

In some cases a student withdrawing from the University due to severe or catastrophic medical circumstances may be considered for a partial tuition refund. Sufficient and compelling documentation is required; such documentation depends on individual circumstances, but must include a letter from your health care provider (on their letterhead) that specifies the following:

- The date of onset of illness
- The dates you were under professional care
- The general nature of your medical condition and why/how it prevented you from completing coursework
- The last date you were able to attend class
- The date you anticipate returning to school

Requests for consideration of refunds must be made within the term withdrawn. No tuition refund will be provided after the end of the withdrawn term.

### **TUITION REFUND INSURANCE**

Tuition Refund Insurance can be purchased to help refund your tuition, fees, and room/board charges, up to the policy limits, if you are unable to complete the semester due to a covered medical reason such as an illness, accident, or mental health issue. Visit [www.GradGuard.com/brochure/mcm](http://www.GradGuard.com/brochure/mcm) to review the complete refund policy and for more information about Tuition Refund Insurance.

# 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 ACADEMIC 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, practical, 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.

**COURSE NUMBERS.** 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.) College level freshmen courses are numbered in the 1000s (see information on developmental courses below); 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. Music Ensembles begin with a digit of 0.

The second digit in the course number designates the number of semester hours credit for the course (exceptions include some labs and developmental courses); 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. A student who does not have the necessary standing or prerequisites will not be allowed to register for an advanced course.

Developmental courses have a prefix of ACAD, ENGL, or MATH, begin with a 1, and have a 0 as the second digit and a designator of "D" at the end of the course number. These courses are not college level and do not count towards hours used for graduation. They are calculated in the GPA, and used for semester creditload and financial aid purposes.

## 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

### 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.

**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:
n/a	Fall	End of the subsequent spring semester
n/a	Spring, May Term, Summer	End of the subsequent fall semester

## **FOR GRADUATION CANDIDATES**

	* All final grades for previous semesters due in Registrar's Office by:	If Incomplete grade is earned at the end of the graduating term, the grade is due in Registrar's Office by:
DEC Candidates	October 1 immediately preceding anticipated Dec commencement	<b>Jan 10 / INC grades received after Jan 10 will result in a later graduation date</b>
MAY Candidates	March 1 immediately preceding anticipated May commencement	<b>June 1 / INC grades received after June 1 will result in a later graduation date</b>
AUG Candidates	March 1 immediately preceding anticipated May commencement	<b>Sept 1 / INC grades received after Sept 1 will result in a later graduation date</b>

\* Exceptions 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.

**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**

Semester grades are available to students on MYMCM. Grade reports are not printed or mailed. If a paper copy is required, the student can print their grade report from MYMCM. The Registrar's office can provide assistance if needed. 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 intercollege 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 intercollege 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" (2.0 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 (VPA), Vice President for Enrollment Management, and the Vice President for Financial Affairs. The VPA will notify the student of the action taken on the Application for Readmission. Applications for Readmission should be submitted to the Registrar at least 7 days before the beginning of the semester for which the student desires readmission.

**GRADE APPEALS**

Grade appeals involve disputed course grades. If a student disagrees with the grade received in a class, he or she has the right to appeal using a formal appeal process. Grade appeals deal with the policies, as stated on the course syllabus, by which grades were to be determined. All grade appeals must thus be confined to class policy and the assignment of grades. Concerns or complaints about faculty attitudes, ideas, or behavior should be directed to the chair of the department offering the class or to the Dean of Students. If the chair is the subject of the complaint, the student should speak with the Vice President for Academic Affairs.

The process for appealing a grade must be completed within 30 working days of the posting of the grade in question. In exceptional circumstances (e.g., an instructor being out of town or otherwise unavailable), the Associate Vice President for Academic Affairs for Academic Administration (AVPAA-AA) can

## **Attendance / Absences / Withdrawal Process / Military Recall, Reactivation or Deployment**

extend the 30-day time limit. The process works as follows (except for graduate courses and courses taken in the Patty Hanks Shelton School of Nursing):

1. Within a week of receiving the semester grade report with the grade in question, the student should contact the instructor of the course and determine if he or she reported the grade correctly.
2. If meeting with the instructor does not resolve the dispute, the student can proceed with the complaint by discussing the issue with the Department Head. Depending on the situation, the chair may request a follow-up meeting to include the student and instructor.
3. If meeting with the Department Head does not resolve the dispute, the student can appeal to the Associate Vice President for Academic Affairs for Academic Administration (AVPAA-AA). The student must submit documentation to the AVPAA-AA consisting of the following materials: (1) A written statement of the issue and chronological review of past attempts to resolve it with the instructor and department chair; and (2) additional pertinent documentation in support of his or her argument, including a copy of the course syllabus and specific assignments or course work related to the complaint.
4. If necessary, the AVPAA-AA will seek additional information from the instructor and other relevant sources. The AVPAA-AA will deny or uphold the appeal within 10 working days of receiving the information.
5. If either the student or the instructor wishes to appeal the AVPAA-AA's decision, a written request to that effect should be sent to the chairperson of the Student Appeals Committee within two working days. The chairperson will contact both student and instructor to set a meeting for the appeal before the committee. The chairperson will request all materials pertinent to the appeal from the AVPAA-AA, and will disseminate those materials to the members of the Student Appeals Committee at least five working days prior to the scheduled meeting.
6. At the appeal before the Student Appeals Committee, both student and instructor, in turn, will have no more than five minutes each to provide any other supporting materials or to make a statement. Both will be questioned by the members over the materials placed before them as well as over the individual statements of the student and the instructor for a period not to exceed twenty minutes. Time limits may be modified or waived by a vote of the committee membership. Then, both student and instructor will be excused and the Student Appeals Committee will vote on the matter. A simple majority vote is required either to uphold or to deny the appeal. The student, instructor, chairperson, AAVP-AA, Vice President for Academic Affairs, and Registrar (if necessary) will be notified in writing of the decision within three working days.
7. Grade appeals related to academic dishonesty (cases wherein students have been penalized by an instructor for having cheated on any assignment) fall under the same procedures as described above.
8. Grade appeals in academic programs that do not fall under the divisions of the University (e.g., developmental courses) should be handled in this order: the instructor, the program director, the AVPAA-AA, and the Student Appeals Committee.
9. 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 Office, 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 Dyess Program Director who will assist the student in making the best decisions for the student's circumstances.

## **Overload Policy / Courses of Study / Degree Requirements**

### **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 Science
- Chemistry
- Computer Science
- Criminal Justice\*
- Environmental Science
- Exercise Science & Human Performance
- Environmental Science
- Life Sciences
- Human Health Science
- Information Technology
- Mathematics
- Physics
- Sports and Wellness Leadership

\*Criminal Justice requires admission to the Virtual Campus Program.

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

- All Level Physical Education
- Computer Science Grades 6 - 12
- Early Childhood Education
- Life Sciences 7 - 12
- Mathematics Grades 4 - 8
- Mathematics Grades 7 - 12
- Multidisciplinary Studies I - 7 - 12 Certification  
*Teaching Fields:*  
Physical Sciences
- Multidisciplinary Studies II - 4 - 8 Certification  
*Teaching Fields:*  
Science Social Studies

**B.S.N.** Candidates for the B.S.N. major in Nursing will apply to the Patty Hanks Shelton School of Nursing.

## **COURSES OF STUDY GRADUATE**

### **See Graduate Studies section of the catalog for information on these programs.**

- M.ACC. Master of Accountancy
- M.S.N. Master of Science in Nursing

## **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 1<sup>st</sup>** for students who expect to graduate the following May or August.

**February 1<sup>st</sup>** 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 toward a baccalaureate degree, credit earned from a junior college cannot be

### **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 and secure the approval of the Vice President for Academic Affairs to be eligible to take more than the following limit of credit hours in each semester: Overload permission forms are available in the Registrar's Office.

- 19 credit hours in Fall or Spring
- 4 credit hours in May Term
- 8 credit hours in Summer I or Summer II

### **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.

## **COURSES OF STUDY UNDERGRADUATE**

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

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

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

- Art Education EC - 12
- Chemistry Grades 7 - 12
- English Grades 4 - 8
- English Grades 7 - 12
- History Grades 7 - 12
- English Grades 7 - 12
- Theatre Education EC - 12
- Social Studies 7 - 12

### **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
- Entrepreneurship
- Finance
- General Business
- International Business
- 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

## Degree Requirements

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 a year, on the last day of the fall, spring, and summer II term, as listed in the on-campus Academic Calendar. Students in the Virtual Campus degree programs who complete requirements at the end of the first or second summer subterm will have their degree conferred as an August graduate.

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.

### Commencement Ceremony.

Students who complete degree requirements in the fall or spring semesters participate in a commencement ceremony in May. Candidates for graduation in August, including Virtual Campus students, who meet specific criteria may also participate in the May ceremony. Candidates who elect to graduate "in absentia" are not permitted to participate in a commencement ceremony at a later date. If a candidate does not meet degree requirements but has already participated in commencement, they do not participate again for the same degree once degree requirements are completed. Students who anticipate completing degree requirements in the fall semester may not participate in commencement until the following May.

### 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," or "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.

### Minimum Degree Hours and Advanced Hours.

All undergraduate degrees at McMurry University require a minimum of 120 semester hours, including 39 advanced hours (junior and senior level courses).

### Residence Credit.

Residence credit means credit for coursework earned under a McMurry University course number, including distance education courses. To qualify for graduation with a baccalaureate degree, a student must complete residence credit of at least 25 percent or a minimum of 30 hours of all hours required for the degree. Course credit provided through other institutions, Intercollegiate Enrollment (ICE), remedial credit, and credit earned by examination do not apply as residence credit. All candidates for degrees must complete their last twelve hours of coursework directly through McMurry's campus or distance education classes. All candidates for undergraduate degrees must complete at least six semester credit hours in residence in the major, minor, focus areas, concentrations, and/or teaching fields.

### General Electives.

The number of general 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 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 120 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, and is strongly encouraged to do so by 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.

## **Foreign Language Requirement / Honors Program**

### **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. Two BA majors require 2 years (or sophomore proficiency) of a foreign language or proficiency by exam: Religion, and Christian Ministry.

### **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 2006 do not have a foreign language requirement for the BS degree.

### **BME Degree**

Two years high school credit in a single foreign language satisfies the BME 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 2006 do not have a foreign language requirement for the BME degree.

### **BBA Degree**

Two years high school credit in a single foreign language satisfies the BBA 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 2006 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 2006 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 First-Year Students*

Incoming first-year students are eligible to apply for admission to this four-year honors track if they meet one of the following criteria: 27 ACT/1290 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. Incoming students may apply to the program upon their admission to McMurry, and should do so as early as possible. Scholarship awards range from \$3,000.00 a year for four years up to a limited number of full-tuition scholarships.

#### *Application Procedure for Incoming First-Year Students*

Qualified applicants for the University Honors Track will receive detailed information on the honors admissions process upon their admission as McMurry students. They will participate in an interview, write an essay, provide a reference letter from an academic teacher, and submit a summary of their activities and accomplishments in high school.

#### *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 transferrable hours completed at another accredited institution. Transfer students may be eligible to receive honors scholarships up to \$3,000.00 per year.

#### *Current McMurry Students*

Current McMurry students with a GPA of at least 3.5 may enter the program with the approval of the honors director. They may be eligible to receive honors scholarships up to \$3,000.00 per year.

#### *Course Requirements*

University Honors students will earn honors credit in at least twelve hours of honors courses, preferably taken during the first year. 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.

### **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.

## **Honors Program**

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 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 his/her original art work.

### **Biology:**

Admission is open to students who have completed BIOL 1306/1106, BIOL 1307/1107, BIOL 3460, and BIOL 3110 with an overall and Biology GPA of at least 3.25. Required honors courses: four hours of BIOL 4X96\* Honors Tutorial (in one or more semesters) and BIOL 4397\* Honors Thesis. 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.

### **Criminology:**

Admission requires completion of at least 60 hours of college work; an overall Criminology GPA of 3.25; and completion of 15 hours in Criminology. Students will complete 7 hours in honors tutorial and honors 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.

### **Human Health Science:**

Admission requires completion of 60 hours of college credit, including a minimum of 9 hours in HHSC courses, and a GPA of at least 3.25 in HHSC courses and overall. Students must complete HHSC 4X96 Honors Research/Tutorial (in one or more semesters) and HHSC 4X97 Honors Thesis for a total of 7 hours, and successfully present a senior thesis.

### **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 OR 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).

### **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 in physics courses, including honors section or honors contract in PHYS 4175 Senior Research Proposal, PHYS 4275 Senior Research Project, 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 15 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 SOCI 4X96\* Honors Tutorial and SOCI 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

### **Honors Program / Dyess AFB Program**

not only to military members, but also to adult learners and civilian students alike in that subterm courses tend to be offered during lunch time, in the evening and/or in condensed semesters. Online and full semester courses are available through the main campus. 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. McMurry professors and instructors (full time and adjunct) 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, and online. 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. When it is not feasible to continue or complete

## **Dyess AFB Program / VA Program**

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.

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. 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. 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 45 days prior to start date of classes.

#### **Add/Drop Policy:**

Adding and dropping classes is allowed until the Official Enrollment Date of each semester at no financial penalty. However, the student must have changes approved by the Military Education Center, the Director of the McMurry – Dyess Program and/or Registrar's office when using TA. After the Official Enrollment Date of each semester, there will be no refund for any dropped classes while the student is still enrolled in other classes.

#### **Withdrawal Policy:**

You must provide your reason for withdrawal to the Director of the McMurry – Dyess Program in writing. A withdrawal is when all classes for the semester are dropped. Billing for TA is processed after the University's refund period; therefore, students who withdraw within our refund period will be billed according to the current refund schedule.

#### **Return of Tuition Assistance**

If you are using TA to pay for your education and withdraw from a class prior to completing 60 percent of the class, the Department of Defense (DoD) requires that McMurry University return any unearned TA funds directly to the Military Service based on how much of the course you completed. You may owe a portion of your tuition to McMurry University and a portion to your Military branch.

If you withdraw, the amount of earned TA funds is calculated from the date of your official withdrawal. Your TA eligibility is determined based on the following formula:

#### **Calendar days completed in the period**

Total calendar days in the period = Percent of TA Earned

### **2020-2021 OFFICIAL ENROLLMENT DATES**

**Fall Semester** – September 2, 2020

Subterm 1 – August 28, 2020

Subterm 2 – October 23, 2020

**Spring Semester** – January 21, 2021

Subterm 1 – January 15, 2021

Subterm 2 - March 19, 2021

**May Term** – May 11, 2021

**Summer I** – June 3, 2021

**Summer II** – July 8, 2021

**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.

### **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 8 week format 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:

- ◆ **English 1310, English 1320**
- ◆ **Speech 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 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*

*Professor: Martin*

*Associate Professor: Lopez*

*Instructors: Alvarez, Bein, Laurence, Lo, 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). Developmental courses begin with a 1, have a 0 as the second digit and a designator of "D" at the end of the course number. These courses are not college level and do not count towards hours used for graduation. They are calculated in the GPA and are used for semester creditload.

**Courses Taught**

ACAD 1013D	Academic Literacy I
ACAD 1023D	Academic Literacy II
ENGL 1013D	Introduction to Composition I
ENGL 1023D	Introduction to Composition II
ENGL 1033D	Integrated Reading and Writing
ENGL 1041D	Writing Mechanics
MATH 1013D	Introductory Algebra
MATH 1023D	Intermediate Algebra
ACAD 1210	Strategies for Learning
ACAD 1340	Freshman Seminar

# DEPARTMENTS OF INSTRUCTION

# DEPARTMENT OF ART

*Professor: Walker-Millar*

*Visiting Assistant Professor: Terry*

*Instructor and Gallery Director: Nichols*

*Adjunct Instructors: Brown, Frizzell, Trotter, Wellborn*

## 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.

Art courses provide a broad background of knowledge in the art forms of Western Civilization and non-European cultures as it relates to pluralistic contemporary worldview. These courses will enhance the education of art majors and other interested students. Students study art in the classroom and then examine it first hand through field trips to galleries and museums. They are afforded opportunities to study abroad. The successful senior student develops a resume and 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. This degree requires a senior art exhibition.

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 and other art scholarships 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 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, updated in 2017 has 18 new Macintosh computers and 20 tablets. 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 (Drawing I)
ARTS 2301	Art History I
ARTS 2302	Art History II
ARTS 2304	Creative Drawing (Drawing II)
ARTS 2310	Painting I
ARTS 2314	Techniques in Handbuilding (Ceramic II)
ARTS 2315	Photoshop I
ARTS 2321	Three-Dimensional Design
ARTS 2323	Fundamentals of Photography (Photography I)
ARTS 2330	Beginning Digital Photography (Photography II)
ARTS 3305	Photoshop II
ARTS 3310	Life Drawing I
ARTS 3313	Techniques in Wheel Throwing (Ceramics III)
ARTS 3315	Ceramic Sculpture (Ceramics IV)
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 (Photography III)
ARTS 3334	Desktop Publishing
ARTS 3336	Illustration I (Logo Design)
ARTS 3340	Painting III Advanced Painting
ARTS 3345	Illustration II (Package Design)
ARTS 3360	Secondary School Art
ARTS 3370	Elementary School Art
ARTS 3390	Gallery Practices
ARTS 3391	Jewelry Design
ARTS 4180	Senior Exhibition
ARTS 4313	Clay and Glaze Calculation and Kilnbuilding (Ceramics V)
ARTS 4335	Painting IV Special Topics
ARTS 4360	Brand and Portfolio Development
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 I
MMAP 3320	Web Design
MMAP 3340	Digital Video II
MMAP 3596	Honors Tutorial
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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

MAJOR IN STUDIO ART (3 hours may also meet general education requirements)	
COURSE	HOURS
ARTS 1300	3
ARTS 1310	3
ARTS 1313	3
ARTS 2300	3
ARTS 2310	3
[Select 3 hrs from] ARTS 2315, 2323	3
[Select 3 hrs from] ARTS 3390, 4390	3
[Select 3 hrs from] ARTS 2304, 3310, 3320	3
[Select 6 hrs from] ARTS 2301, 2302, 3322, 3323	6
[Select 3 hrs from any ARTS course]	3
[Select 12 hrs from advanced ARTS electives]	12
<b>TOTAL HOURS</b>	<b>45</b>

### 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.

### FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT

ACAD 1340	Freshman Seminar
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**BACHELOR OF ARTS – STUDIO ART w/ Pre-Professional Art Therapy Track****THIS DEGREE INCLUDES A MINOR IN PSYCHOLOGY**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN STUDIO ART</b>	
<b>Pre-Professional Art Therapy Track</b>	
(3-6 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
ARTS 1300	3
ARTS 1310	3
ARTS 1313	3
ARTS 2310	3
ARTS 3370	3
ARTS 4390	3
[Select 3 hrs from] ARTS 2323, 2330	3
[Select 6 hrs from] ARTS 2300, 2304, 3310, 3320	6
[Select 6 hrs from] ARTS 2301, 2302, 3322, 3323	6
[Select 12 advanced hrs from] Painting, Ceramics, Art Education or Drawing	12
<b>Subtotal Hours</b>	<b>45</b>
<b>SUPPORTING COURSES (Must earn a grade of C or higher)</b>	
PSYC 1340	3
PSYC 2360	3
PSYC 4300	3
[Select 9 advanced hrs from] PSYC	9
<b>TOTAL HOURS</b>	<b>63</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340 Freshman Seminar

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>	<b>MAJOR IN MULTIMEDIA AND GRAPHIC DESIGN</b> (3 hours may also meet general education requirements)	<b>COURSE</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>		ARTS 1300 ARTS 1310 MMAP 2310 ARTS 2300 ARTS 2315 ARTS 3305 ARTS 3334 ARTS 3336 ARTS 4360	<b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>		[Select 3 hrs from] ARTS 2304, 3310, 3320	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)			[Select 6 hrs from] ARTS 2301, 2302, 3322, 3323	<b>6</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>		[Select 9 hrs from] ARTS 3328 MMAP 2340 MMAP 3310 MMAP 3340 MMAP 4388	<b>9</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)				
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>		<b>TOTAL HOURS</b>	<b>45</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>			
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>			
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>			
<b>BUSINESS</b> ECON 2310, 2320				
<b>COMPUTER SCIENCE</b> COSC 1306, 1322				
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330				
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210				
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420				
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350				
<b>PSYCHOLOGY</b> PSYC 1340, 2360				
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370				
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310				
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310				
<b>TOTAL HOURS</b>	<b>39-41</b>			

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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## 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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plan lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	3
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	6
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MAJOR IN ART EDUCATION (3 hours may also meet general education requirements)	
COURSE	HOURS
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] ARTS ELECTIVES	9
<b>SUPPORTING COURSES</b>	
[Select 3 hrs from] ARTS 2315 COSC 1305 MMAP 2310	3
<b>TOTAL HOURS</b>	48

MINOR IN CURRICULUM AND INSTRUCTION (GRADES EC-12)	
COURSE	HOURS
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	24

ART EXHIBITION
This major <b>PERMITS</b> a group or solo art exhibition with approval by three art instructors.

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.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT
ACAD 1340 Freshman Seminar

**BACHELOR OF FINE ARTS – STUDIO ART****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF FINE ARTS – STUDIO ART**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN FINE ARTS – STUDIO ART</b> (3 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
ARTS 1300	3
ARTS 1310	3
ARTS 1313	3
ARTS 2300	3
ARTS 2301	3
ARTS 2302	3
ARTS 2304	3
ARTS 2310	3
ARTS 2321	3
ARTS 3310	3
ARTS 3322	3
ARTS 3323	3
ARTS 3390	3
ARTS 4180	1
ARTS 4390	3
[Select 3 hrs from] ARTS 3360, 3370	3
[Select 3 hrs from] ARTS 2315, 2323, MMAP 2310	3
[Select 12 hrs from advanced ARTS electives] Students are highly encouraged to take advanced courses in <b>one</b> media. (Painting, Ceramics, Computer Graphics, or Photography)	12
[Select 3 hrs from] ENGL 3315, 3316, 3385, 4374, 4375	3
[Select 3 hrs from] BUSI 1310; BUSI 3350; MKTG 3370, THRE 3325	3
<b>TOTAL HOURS</b>	<b>67</b>

**ART EXHIBITION**

This major **REQUIRES** a senior art exhibition approved by three art instructors.

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340 Freshman Seminar

## BACHELOR OF FINE ARTS – MULTIMEDIA AND GRAPHIC DESIGN

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF FINE ARTS DEGREE IN MULTIMEDIA AND GRAPHIC DESIGN

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MAJOR IN FINE ARTS – MULTIMEDIA AND GRAPHIC DESIGN (3 hours may also meet general education requirements)	
COURSE	HOURS
ARTS 1300 Exploring the Visual Arts	3
ARTS 1310 Elements of Design I	3
ARTS 2300 Fundamentals of Drawing	3
ARTS 2301 Art History I	3
ARTS 2302 Art History II	3
ARTS 2304 Creative Drawing	3
ARTS 2310 Painting I	3
ARTS 2315 Photoshop I	3
ARTS 3305 Photoshop II	3
ARTS 3310 Life Drawing I	3
ARTS 3322 Modern Art History	3
ARTS 3323 Non-European Art	3
ARTS 3334 Desktop Publishing	3
ARTS 3336 Illustration I	3
ARTS 3345 Illustration II	3
MMAP 3310 Digital Video I	3
MMAP 3340 Digital Video II	3
ARTS 4180 Senior Exhibition	1
ARTS 4360 Branding and Portfolio Development	3
[Select 6 hrs]	6
ARTS 2323, 2330	
MMAP 2310, 2340, 4388	
[Select 3 hrs from] Advanced level Studio Art Course	3
[Select 3 hrs from] BUSI 1310; BUSI 3350; MKTG 3370; THRE 3325	3
<b>TOTAL HOURS</b>	<b>69</b>

ELECTIVE HOURS: This major requires a minimum of 7 elective hours to reach the necessary 120 hours for graduation. The number of elective hours can vary depending on course selection, transfer courses, etc.

### ART EXHIBITION

This major **REQUIRES** a senior art exhibition approved by three art instructors.

### 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.

### FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT

ACAD 1340 Freshman Seminar

**ART DEPARTMENT MINORS**

<b>MINOR IN ART</b> (Not available for Studio ARTS or Graphic Design majors)	
<b>COURSE</b>	<b>HOURS</b>
ARTS 1300	<b>3</b>
ARTS 1310	<b>3</b>
[Select 3 hrs from] ARTS 1313, 2310, 2323	<b>3</b>
[Select 3 hrs from] ARTS 2300, 2304, 3310, 3320	<b>3</b>
[Select 9 hrs from] ARTS ELECTIVES	<b>9</b>
<b>TOTAL HOURS</b>	<b>21</b>

<b>MINOR IN ART – MULTIMEDIA APPLICATIONS</b> (Not available for Studio ARTS or Graphic Design majors) (Not available for Technology Applications Teaching Field)	
<b>COURSE</b>	<b>HOURS</b>
ARTS 1310	<b>3</b>
ARTS 2315	<b>3</b>
MMAP 2310	<b>3</b>
MMAP 2340 or ARTS 2330	<b>3</b>
MMAP 3310	<b>3</b>
ARTS 3305 or ARTS 3336	<b>3</b>
MMAP 4388	<b>3</b>
<b>TOTAL HOURS</b>	<b>21</b>

<b>MINOR IN ARTS ADMINISTRATION</b> (Not available for Studio ARTS or Graphic Design majors)	
<b>COURSE</b>	<b>HOURS</b>
ARTS 3390	<b>3</b>
[Select 6 hrs from] ARTS 2301, 2302, 3322, 3323	<b>6</b>
[Select 3 hrs from] ARTS 2315, MMAP 2310, 3310	<b>3</b>
[Select 3 hrs from] ARTS 3360, 3370	<b>3</b>
[Select 3 hrs from] ENGL 3385, 4374, 4375	<b>3</b>
[Select 3 hrs from] BUSI 1310, BUSI 3350, MKTG 3370, THRE 3325	<b>3</b>
<b>TOTAL HOURS</b>	<b>21</b>

# DEPARTMENT OF BIOLOGY

*Professor: Brant, Department Chair*

*Professors: Benoit, Saghatelyan, Wilson*

*Associate Professor: Sharp*

*Assistant Professor: Boyle, O'Connell*

**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 Biomedical Science, BS in Environmental Science and BS in Life 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.**

## **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, microbiologists, geneticists, and forensic scientists.. 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 Environmental Sciences Degree**

The B.S. in Environmental Science degree provides practical knowledge and marketable skills for students interested in the broader view of the environment. The focus is on biology, geology, and chemistry of ecosystems and the environment, and how man's activity can influence the health of our planet. All graduates complete an internship or conduct original research as a 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, Environmental 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, Environmental 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, Environmental 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.

New to McMurry is the concept of Research Teams, which are composed 4-5 students working with a faculty member on a project of discovery. Expectations are the student will grow in knowledge and skills and confidence as they continue for multiple semesters on the Team. This experience provides a deep dive into a focused area of life science as a contrast to the broad general education common in an undergraduate degree. The result is a balanced understanding of the breadth and depth of the discipline.

## Biology

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### Courses Taught in the Biology Department:

BIMS 1300	Scientific Thought
BIMS 2105	Medical Terminology I
BIMS 3205	Medical Terminology II
BIMS 3350	Cell Biology
BIMS 3410	Microbiology
BIMS 3430	Human Physiology
BIMS 4150	Molecular Biology Laboratory
BIMS 4201	BIMS Capstone Experience
BIMS 4350	Molecular Biology
BIMS 4X91	Advanced Topics in Microbiology and Public Health
BIMS 4X92	Advanced Topics in Molecular Biology and Genetics

BIOL 1106	General Biology I Lab
BIOL 1107	General Biology II Lab
BIOL 1306	General Biology I
BIOL 1307	General Biology II
BIOL 1401	Principles of Biology
BIOL 2110	Environmental Seminar
BIOL 2401	Anatomy and Physiology I
BIOL 2402	Anatomy and Physiology II
BIOL 2410	Biology of Plants
BIOL 2420	Invertebrate Zoology
BIOL 3100	Research Team
BIOL 3110	Biology Junior Seminar
BIOL 3330	Biogeography
BIOL 3403	Foundations of Microbiology
BIOL 3440	Comparative Anatomy
BIOL 3460	Genetics
BIOL 4101	Biological Communication
BIOL 4201	Biology 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 4X96*	Biology Honors Research
BIOL 4X97*	Biology Honors Thesis
BIOL XX99	Special Topics

ENVR/GEOS 1405	Environmental Geology
ENVR 4350	Introduction Geographic Information Systems

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN BIOLOGY</b> (4-8 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
<b>BIOLOGY CORE</b>	
BIOL 1306	<b>3</b>
BIOL 1106	<b>1</b>
BIOL 1307	<b>3</b>
BIOL 1107	<b>1</b>
BIOL 3110	<b>1</b>
BIOL 3460	<b>4</b>
<b>CAPSTONE OPTIONS</b>	
[Select 3 hrs from]	
BIOL 4101 <b>AND</b> BIOL/BIMS 4201 <b>OR</b>	
BIOL 4388 <b>OR</b>	
BIOL 4397H	<b>3</b>
BIOL 2110	<b>1</b>
BIOL 2410	<b>4</b>
BIOL 2420	<b>4</b>
BIOL 3440	<b>4</b>
BIOL 4430	<b>4</b>
BIOL 4450	<b>4</b>
[Select 9 hrs from]	
3000-4000 BIOL <b>OR</b> BIMS	<b>9</b>
<b>SUB-TOTAL HOURS</b>	<b>46</b>
<b>SUPPORTING COURSES</b>	
CHEM 1410	<b>4</b>
CHEM 1420	<b>4</b>
CHEM 3410	<b>4</b>
CHEM 3420	<b>4</b>
PHYS 1410	<b>4</b>
[Select 3-4 hrs from]	
MATH 2421, 3351	<b>3-4</b>
<b>SUB-TOTAL HOURS</b>	<b>23-24</b>
<b>TOTAL HOURS</b>	<b>69-70</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

## **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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

MAJOR IN BIOMEDICAL SCIENCE (3-11 hours may also meet general education requirements)	
COURSE	HOURS
<b>BIOLOGY CORE</b>	
BIOL 1306	3
BIOL 1106	1
BIOL 1307	3
BIOL 1107	1
BIOL 3110	1
BIOL 3460	4
<b>CAPSTONE OPTIONS</b>	
[Select 3 hrs from]	
BIOL 4101 <u>AND</u> BIOL/BIMS 4201 <u>OR</u>	3
BIOL 4388 <u>OR</u>	
BIOL 4397H	
BIMS 3350	3
BIMS 3410	4
BIMS 3430	4
BIMS 4350	3
BIMS 4150	1
[Select 9 hrs from]	
3000-4000 BIOL <u>OR</u> BIMS	9
CHEM 3441	
<b>SUB-TOTAL HOURS</b>	<b>40</b>
<b>SUPPORTING COURSES</b>	
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
<b>SUB-TOTAL HOURS</b>	<b>27-28</b>
<b>TOTAL HOURS</b>	<b>67-68</b>

### **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 2006.

### **FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340 Freshman Seminar

**BACHELOR OF SCIENCE – ENVIRONMENTAL SCIENCE****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN ENVIRONMENTAL SCIENCE**

- ♦ All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN ENVIRONMENTAL SCIENCE</b> (4-7 hours may also meet general education requirements)	
<b>ENVIRONMENTAL SCIENCE CORE</b>	<b>HOURS</b>
BIOL 1306	<b>3</b>
BIOL 1106	<b>1</b>
BIOL 1307	<b>3</b>
BIOL 1107	<b>1</b>
BIOL 2110	<b>1</b>
BIOL 3330	<b>3</b>
BIOL 3110	<b>1</b>
BIOL 4430	<b>4</b>
<b>CAPSTONE OPTIONS</b> [Select 3 hrs from] BIOL 4101 <u>AND</u> BIOL/BIMS 4201 <u>OR</u> BIOL 4388 <u>OR</u> BIOL 4397H	<b>3</b>
ENVR/GEOS 1405	<b>4</b>
ENVR/GEOS 4350	<b>3</b>
CHEM 1410	<b>4</b>
CHEM 1420	<b>4</b>
CHEM 2430	<b>4</b>
CHEM 3410	<b>4</b>
CHEM 3440	<b>4</b>
MATH 3351	<b>3</b>
[Select 4 advanced hrs from] ECOLOGY Freshwater Ecology Microbial Ecology Etc.	<b>4</b>
[Select 17 hrs from] BIOL 2410, 2420, 3460, 4340, 4360, 4x91, 4x92 BIMS 3410, 4x91, 4x92 CHEM 3000 - 4000	<b>17</b>
<b>TOTAL HOURS</b>	<b>71</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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## **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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ◆ This degree plan lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

MAJOR IN LIFE SCIENCE (4-8 hours may also meet general education requirements)	
COURSE	HOURS
<b>BIOLOGY CORE</b> BIOL 1306 BIOL 1106 BIOL 1307 BIOL 1107 BIOL 3110 BIOL 3460	<b>3 1 3 1 1 4</b>
<b>CAPSTONE OPTIONS</b> [Select 3 hrs from] BIOL 4101 <b>AND</b> BIOL/BIMS 4201 <b>OR</b> BIOL 4388 <b>OR</b> BIOL 4397H	<b>3</b>
BIOL 2410 BIOL 3403 BIOL 4430	<b>4 4 4</b>
[Select 8 hrs from] BIOL 2401 <b>AND</b> BIOL 2402 <b>OR</b> BIOL 3440 <b>AND</b> BIMS 3430	<b>8</b>
[Select 8 hrs from] 3000-4000 BIOL <b>OR</b> BIMS	<b>8</b>
<b>SUB-TOTAL HOURS</b>	<b>44</b>
SUPPORTING COURSES	
[Select 8 hrs from] CHEM 1405, 1406, 1410, 1420 KINE 3307 & BIMS 2105	<b>8</b>
[Select 3-4 hrs from] MATH 2421, 3351	<b>3-4</b>
<b>SUB-TOTAL HOURS</b>	<b>11-12</b>
<b>TOTAL HOURS</b>	<b>55-56</b>

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 2006.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT
ACAD 1340 Freshman Seminar

**BACHELOR OF SCIENCE – LIFE SCIENCE GRADES 7-12****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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

<b>MAJOR IN LIFE SCIENCE</b> (4-8 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
<b>BIOLOGY CORE</b>	
BIOL 1306	3
BIOL 1106	1
BIOL 1307	3
BIOL 1107	1
BIOL 3110	1
BIOL 3460	4
<b>CAPSTONE OPTIONS [Select 3 hrs from]</b>	3
BIOL 4101 <b>AND</b> BIOL/BIMS 4201 <b>OR</b>	
BIOL 4388 <b>OR</b>	
BIOL 4397H	
BIOL 2410	4
BIOL 3403	4
BIOL 4430	4
<b>[Select 8 hrs from]</b>	8
BIOL 2401 <b>AND</b> BIOL 2402 <b>OR</b>	
BIOL 3440 <b>AND</b> BIMS 3430	
<b>[Select 8 hrs from]</b>	8
3000-4000 BIOL <b>OR</b> BIMS	
<b>SUB-TOTAL HOURS</b>	44
<b>SUPPORTING COURSES</b>	
<b>[Select 8 hrs from]</b>	8
CHEM 1405, 1406, 1410, 1420	
KINE 3307 <b>AND</b> BIMS 2105	
<b>[Select 3-4 hrs from]</b>	3-4
MATH 2421, 3351	
<b>SUB-TOTAL HOURS</b>	11-12
<b>TOTAL HOURS</b>	55-56

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

<b>MINOR IN CURRICULUM AND INSTRUCTION (GRADES 7-12)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	24

**BIOLOGY DEPARTMENT MINORS**

<b>MINOR IN BIOLOGY</b>	
(Not available for Biology majors or Life Science Majors)	
<b>COURSE</b>	<b>HOURS</b>
BIOL 1306	3
BIOL 1106	1
BIOL 1307	3
BIOL 1107	1
[Select 6 hrs from] 2000 or higher level courses from BIOL and/or BIMS	6
[Select 6 hrs from] Advanced BIOL and/or BIMS courses	6
<b>TOTAL HOURS</b>	<b>20</b>

<b>MINOR IN ALLIED HEALTH</b>	
(Not available for Life Science Majors)	
<b>COURSE</b>	<b>HOURS</b>
BIOL 2401	4
BIOL 2402	4
[Select 8 hrs from] CHEM 1405, 1406, 1410, 1420 KINE 3307 & BIMS 2105	8
[Select 6 hrs from] BIOL 3403 BIOL 3430 KINE 3307 KINE 3321 KINE 3331 NURS 3410 MATH 3351	6
<b>TOTAL HOURS</b>	<b>22</b>

# JOHNSON SCHOOL OF BUSINESS

*Dean of the Johnson School of Business: Mason  
 Professor: Lapoint, Mason  
 Associate Professors: Richardson, Pelly  
 Assistant Professors: Deaton, Popoola, Tribou  
 Visiting Assistant Professor: Phillipson  
 Instructors: Starbuck, Watson*

## Johnson School of Business Mission Statement

The Johnson School of Business prepares graduates who are well versed in business principles and particularly adept in technical and communications skills within their major field(s) of study. Christian principles are applied to best prepare students for post-graduate study, effective servant leadership & citizenry, critical analysis of professional and environmental factors, and employment in an increasingly adaptive entrepreneurial and international business environment.

The Mission and Goals of the Johnson 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 eight majors: Accounting, Computer Information Systems, Entrepreneurship, Finance, General Business, International Business, Management, or Marketing. Students may choose to complete a dual major in the Bachelor of Business Administration degree. Non-core courses completed for credit in one major may be used for credit in a second major, except the General Business major. 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 a 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. A major within the business field. (No grade of less than "C" is acceptable in the major.)
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 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 major.

## 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 majors 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, ENTR 2310, 2320, FINC 3330, IBUS 2310, 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
Entrepreneurship	4X88	Entrepreneurship Internship
Finance	4X88	Finance Internship
International Business	4X88	International Business 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 major could be eligible for an internship in each major; however, a separate internship work experience would be required for each major. Interested students should discuss this course with the Director of Business Internships. (Spring, Fall)

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.

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 a business faculty member in the chosen discipline in completing a learning contract that documents the plan of

**Business**

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. The completed application should be delivered to a business faculty member in the chosen discipline.

**Courses Taught in the School of Business**

ACCT 2310	Financial Accounting	FINC 3330	Personal Finance
ACCT 3303	Accounting Systems	FINC 3340	Business Finance
ACCT 3305	Managerial Accounting	FINC 3350	Money and Banking
ACCT 3307	Fund Accounting	FINC 3370	Investments
ACCT 3311	Intermediate Accounting I	FINC 4320	Advanced Seminar in Finance
ACCT 3312	Intermediate Accounting II	FINC 4340	International Financial Markets
ACCT 3325	International Accounting	FINC 4345	Student Managed Investment Fund I
ACCT 3330	Cost Accounting	FINC 4346	Student Managed Investment Fund II
ACCT 3370	Introduction to Taxation	FINC 4X88	Finance Internship
ACCT 4360	Advanced Topics in Taxation	FINC 4X95	Independent Studies
ACCT 4365	Federal Tax Research	FINC XX99	Special Topics
ACCT 4370	Topics in Advanced Accounting	IBUS 2310	Foundations of International Business
ACCT 4371	Advanced Accounting	IBUS 3335	Study Abroad I
ACCT 4X88	Accounting Internship	IBUS 4355	Study Abroad II
ACCT 4390	Auditing Theory and Practice	IBUS 4388	Internship in International Business
ACCT 4X95	Independent Studies	MGMT 3310	Principles of Management
ACCT XX99	Special Topics	MGMT 3320	International Management
BUSI 1310	Contemporary Business	MGMT 3330	21st Century Leadership: New Ways of Thinking about Change and Conflict
BUSI 3310	Integrated Business Writing	MGMT 3370	Operations Management
BUSI 3325	Game Theory	MGMT 3390	Human Resources Management
BUSI 3350	Entrepreneurship	MGMT 4310	Managing for Quality
BUSI 3370	Business Statistics	MGMT 4330	Organizational Behavior / Interpersonal Relations
BUSI 3371	Decision Sciences for Business	MGMT 4340	Supply Chain Management
BUSI 4370	Business Law	MGMT 4370	Marketing Management
BUSI 4380	Commercial Law	MGMT 4X88	Management Internship
BUSI 4385	Ethics in Business and Society	MGMT 4X95	Independent Studies
BUSI 4388	Internship in General Business	MGMT XX99	Special Topics
BUSI 4390	Strategic Management: Strategy and Decision Making	MKTG 3370	Principles of Marketing
BUSI 4X95	Independent Studies	MKTG 3380	Marketing Promotions
BUSI XX99	Special Topics	MKTG 3385	International Marketing
COIS 1315	Computer Fluency	MKTG 4320	Marketing Channels
COIS 2350	Applications Programming	MKTG 4325	Professional Selling Techniques
COIS 3311	Database Management Systems	MKTG 4350	Consumer Behavior
COIS 3320	Internet Programming	MKTG 4370	Marketing Management
COIS 3380	Management Information Systems	MKTG 4380	Marketing Research
COIS 4350	Systems Analysis and Design	MKTG 4X88	Marketing Internship
COIS 4X88	Computer Information Systems Internship	MKTG 4X95	Independent Studies
COIS 4X95	Independent Studies	MKTG XX99	Special Topics
ECON 2310	Principles of Macroeconomics		
ECON 2320	Principles of Microeconomics		
ECON 3330	International Trade		
ECON 3340	International Monetary System		
ENTR 2310	Introduction to Entrepreneurship I		
ENTR 2320	Introduction to Entrepreneurship II		
ENTR 2330	Law for Entrepreneurs		
ENTR 3310	Entrepreneurial Finance		
ENTR 4310	Family & Prosaic Enterprises		
ENTR 4320	High Growth Enterprises		
ENTR 4330	Senior Project in Entrepreneurship		
ENTR 4388	Internship in Entrepreneurship		

**BACHELOR OF BUSINESS ADMINISTRATION – ACCOUNTING****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>ACCOUNTING MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> ACCT 2310, BUSI 4385	<b>6</b>
ACCT 3303	3
ACCT 3311	3
ACCT 3312	3
ACCT 3330	3
ACCT 3370	3
ACCT 4371	3
ACCT 4388	3
ACCT 4390	3
[Select 3 hrs from] ACCT 3307, 4360, 4365, 4370	3
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>69</b>
<b>ELECTIVE HOURS:</b> This major requires <b>1-15 elective hours</b> to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.	

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**Business****BACHELOR OF BUSINESS ADMINISTRATION – COMPUTER INFORMATION SYSTEMS****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN COMPUTER INFORMATION SYSTEMS**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>COMPUTER INFORMATION SYSTEMS MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> BUSI 4390, COIS 1315, COIS 3380	<b>9</b>
ACCT 3303	3
COIS 2350	3
COIS 3311	3
COIS 3320	3
COIS 4350	3
COSC 1325	3
COSC 3330	3
COIS 4388	3
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>66</b>

**ELECTIVE HOURS:** This major requires **4-12 elective hours** to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**BACHELOR OF BUSINESS ADMINISTRATION – ENTREPRENEURSHIP****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ENTREPRENEURSHIP**

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

♦ This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>ENTREPRENEURSHIP MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> BUSI 1310, 4390	<b>6</b>
ACCT 3305 Managerial Accounting	3
ACCT 3370 Intro to Taxation	3
ENTR 2310 Intro to Entrepreneurship I	3
ENTR 2320 Intro to Entrepreneurship II	3
ENTR 4320 High Growth Enterprises	3
ENTR 4330 Senior Project in Entrepreneurship	3
ENTR 4388 Internship in Entrepreneurship	3
[Select 3 hrs from] ENTR 2330 Law for Entrepreneurs ENTR 3310 Entrepreneurial Finance ENTR 4310 Family and Prosaic Enterprises	3
[Select 3 hrs from] MGMT 3370 Operations Management MGMT 4330 Organizational Behavior	3
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>69</b>
<b>ELECTIVE HOURS:</b> This major requires <b>1-15 elective hours</b> to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.	

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**BACHELOR OF BUSINESS ADMINISTRATION – FINANCE****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>FINANCE MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b>	<b>9</b>
ACCT 2310, 3312, FINC 3350, 3370, 4340, 4388	
ACCT 3311	3
ACCT 3312	3
FINC 3350	3
FINC 3370	3
FINC 4340	3
FINC 4388	3
[Select 6 hrs from]	6
BUSI 3371 FINC 4320, 4345*, 4346*, 4395, 4399	
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>66</b>
<b>ELECTIVE HOURS:</b> This major requires <b>4-12 elective hours</b> to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.	
<b>*Enrollment in Student Managed Investment Fund courses requires permission through an application process.</b>	

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**BACHELOR OF BUSINESS ADMINISTRATION – GENERAL BUSINESS****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN GENERAL BUSINESS**

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

♦ This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>GENERAL BUSINESS MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> BUSI 1310, 3370, 4370, 4385, 4390	<b>15</b>
[Select 3 hrs from] Advanced accounting courses (3000-4000)	3
BUSI 4388	3
[Select 12 hrs from] Advanced business courses (3000-4000)	12
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>60</b>
<b>ELECTIVE HOURS:</b> This major requires <b>10-24 ELECTIVE HOURS</b> to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.	

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**BACHELOR OF BUSINESS ADMINISTRATION – INTERNATIONAL BUSINESS****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN INTERNATIONAL BUSINESS**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>INTERNATIONAL BUSINESS MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> IBUS 2310, BUSI 4385, 4390	<b>9</b>
ACCT 3325 International Accounting	3
ECON 3330 International Trade	3
ECON 3340 International Monetary Systems	3
FINC 4340 International Financial Markets	3
MGMT 3320 International Management	3
MKTG 3385 International Marketing	3
[Select 3 hrs from] IBUS 3355 Study Abroad I <b>OR</b> IBUS 3360 Study Abroad II	3
IBUS 4388 Internship in International Business	3
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>66</b>
<b>ELECTIVE HOURS:</b> This major requires <b>4-12 elective hours</b> to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.	

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**BACHELOR OF BUSINESS ADMINISTRATION – MANAGEMENT****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>MANAGEMENT MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> BUSI 4390, MGMT 3310	<b>6</b>
ACCT 3305	3
MGMT 3330	3
MGMT 3370	3
MGMT 3390	3
MGMT 4310	3
MGMT 4330	3
MGMT 4340	3
MGMT 4388	3
[Select 3 hrs from] Advanced level business courses	3
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>69</b>

**ELECTIVE HOURS:** This major requires **1-15 elective hours** to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**BACHELOR OF BUSINESS ADMINISTRATION – MARKETING****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>BUSINESS CORE</b> (3 hours may also meet general education requirements) A grade of "C" or better required in all Business Core and major courses.)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	3
BUSI 1310	3
BUSI 3370	3
BUSI 4370	3
BUSI 4385 (required for ACCT majors / All other BBA majors may take BUSI 4384 or 4385)	3
COIS 1315	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
FINC 3340	3
IBUS 2310	3
MGMT 3310	3
MKTG 3370	3
BUSI 4390 (Capstone course)	3
<b>BUSINESS CORE HOURS</b>	<b>42</b>
<b>MARKETING MAJOR</b>	
<b>COURSES FROM BUSINESS CORE:</b> BUSI 4390, MKTG 3370	<b>6</b>
MKTG 3380	3
MKTG 4350	3
MKTG 4380	3
MKTG 4388	3
[Select 3 hrs from] Advanced level ACCT courses (3000-4000)	3
[Select 12 hrs from] BUSI 3371 MMAP 2310, 3310 Advanced level MKTG courses (3000-4000)	12
<b>MAJOR HOURS</b>	<b>33</b>
<b>TOTAL HOURS</b>	<b>69</b>
<b>ELECTIVE HOURS:</b> This major requires <b>1-15 elective hours</b> to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, foreign language hours needed, transfer courses, etc.	

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

<b>** PLEASE NOTE</b>
<b>** Course to be completed with a grade of "C-" or better.</b>

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.*

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)**</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	3
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310** & ENGL 1320**  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	6
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MAJOR IN ACCOUNTING – BUSINESS CORE	
(A grade of "C" or better required for all courses in Business Core)	
COURSE	HOURS
<b>(3 hours may also meet general education requirements)</b>	
BUSI 1310	3
COIS 3380	3
ECON 2310 (Meets Gen Ed Req)	3
ECON 2320	3
ACCT 2310	3
BUSI 3310	3
BUSI 3370	3
BUSI 3371	3
BUSI 4370	3
FINC 3340	3
MGMT 3310	3
MKTG 3370	3
BUSI 4380	3
BUSI 4385	3
BUSI 4390	3
<b>CORE HOURS</b>	45
<b>ACCOUNTING</b>	
(A grade of "C" or better required for all courses in Business Core)	
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]	9
ACCT 3307, 4360, 4365, 4370, 4388	
<b>SUB-TOTAL HOURS</b>	75
<b>SUPPORTING COURSES</b>	
COIS 1315	3
[Select 6 hrs from]	6
FINC 3330, FINC 3370, MGMT 3370, SOC 3375	
<b>TOTAL HOURS</b>	84

**PLEASE NOTE****This degree requires 150 total hours****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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**\*\* PLEASE NOTE**

<b>** Course to be completed with a grade of "C-" or better.</b>
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**SCHOOL OF BUSINESS MINORS**

<b>MINOR IN BUSINESS ADMINISTRATION</b> (Not available for BBA or BS - Accounting majors)	
<b>COURSE</b>	<b>HOURS</b>
ACCT 2310	<b>3</b>
ECON 2310	<b>3</b>
MGMT 3310	<b>3</b>
MKTG 3370	<b>3</b>
[Select 6 hrs from] Advanced 3000-4000 level courses in School of Business	<b>6</b>
<b>TOTAL HOURS</b>	<b>18</b>

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

<b>MINOR IN BUSINESS ENTREPRENEURSHIP</b> (Not available for Entrepreneurship and General Business majors)	
<b>COURSE</b>	<b>HOURS</b>
ENTR 2310	<b>3</b>
ENTR 2320	<b>3</b>
ENTR 2330	<b>3</b>
ENTR 3310	<b>3</b>
ENTR 4310	<b>3</b>
ENTR 4320	<b>3</b>
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN INTERNATIONAL BUSINESS</b> (Not available for International Business and General Business majors)	
<b>COURSE</b>	<b>HOURS</b>
ECON 2320	<b>3</b>
ACCT 2310	<b>3</b>
FINC 4340	<b>3</b>
ACCT 3325	<b>3</b>
ECON 3330	<b>3</b>
MGMT 3320	<b>3</b>
MKTG 3385	<b>3</b>
<b>TOTAL HOURS</b>	<b>21</b>

# DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY

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

## Mission

Through the rigorous study of chemical principles, hands-on laboratory work, and original research, the Department of Chemistry and Biochemistry promotes the professional growth of students in their field of study by equipping them with tools to be critical thinkers, creative problem-solvers, clear communicators, and skilled experimentalists. We examine the molecular complexity of the natural world and thereby enable students to pursue meaningful lives of leadership and service in the application of chemistry to society.

## Student Learning Outcomes

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

1. Describe and apply the fundamental principles of chemistry and biochemistry.
2. Use standard laboratory equipment and instruments to conduct experiments.
3. Explain the role of chemistry in the natural world and human society.
4. Communicate chemical information in written and oral formats.

Additionally, science majors will be able to:

5. Demonstrate a working knowledge of classical and modern analytical techniques and instrumentation, including their uses and limitations.
6. Recognize hazards, assess risk, conduct experiments safely, and manage chemicals, including chemical waste.
7. Practice science in an ethical and responsible manner.
8. Work collaboratively with other students and faculty members in both the classroom and laboratory environments.
9. Employ process skills such as problem solving, critical thinking, and reflective learning.

Additionally, chemistry and biochemistry majors will be able to:

10. Search, interpret, and critically evaluate primary chemical literature and general science publications.
11. Develop a research question and design a method to answer the question.

## 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.

**Dual Chemistry-Chemical Engineering Degree Program.** McMurry University has joined with the University of North Dakota (UND) in offering a program to allow interested students to simultaneously pursue two

bachelor's degrees: one in Chemistry from McMurry University and one ABET-accredited degree in Chemical Engineering from UND. Typically a student will complete two years of course work at McMurry University and then will apply for admission to UND. In the course of the next three years the student will continue taking classes from McMurry University as well as distance learning classes from UND. The courses taken at McMurry University will satisfy the general education and pre-requisite courses as well as some upper division Engineering courses for UND. After completion of the third and fourth years at McMurry University the student is expected to spend a summer session at UND taking laboratory-based classes there. Upon the successful completion of the coursework at both schools, the student will receive two Bachelor of Science degrees. In order to finish this program in five years students should be enrolled in the proper courses starting their first semester at McMurry University. Please consult an advisor in the Department of Chemistry and Biochemistry for appropriate choice of courses.

## Graduate Study in Chemical Engineering

Students with an interest in Chemical Engineering could also consider the possibility of completing an undergraduate degree in chemistry with elective courses in math and physics at McMurry University followed by application to a graduate program in Chemical Engineering.

## 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 1407	Chemical Basics for Allied Health
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	Chemistry/Biochemistry Seminar
CHEM 4102	Chemistry/Biochemistry Senior Project
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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN CHEMISTRY</b> (4-8 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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
[Select 1 hr from] CHEM 4102, 4X20, 4X88, 4X97H	1
<b>SUB-TOTAL HOURS</b>	<b>45-46</b>

\* Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3410.

**SUPPORTING COURSES**  
A grade of "C" or better is required in all supporting courses

[Select 8-10 hrs from] PHYS 1410, 1420 <b>OR</b> PHYS 2510, 2520	8-10
MATH 2421	4
MATH 2322	3
MATH 3351	3
<b>TOTAL HOURS</b>	<b>63-66</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN CHEMISTRY</b> (4-8 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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
[Select 1 hr from] CHEM 4102, 4X20, 4X88, 4X97H	1
<b>SUB-TOTAL HOURS</b>	<b>33-34</b>

\* Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3410.

<b>SUPPORTING COURSES</b>	
A grade of "C" or better is required in all supporting courses	
PHYS 1410	4
PHYS 1420	4
MATH 2421	4
MATH 2322	3
<b>TOTAL HOURS</b>	<b>48-49</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**BACHELOR OF ARTS – CHEMISTRY GRADES 7-12****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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN CHEMISTRY</b> (4-8 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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
[Select 1 hr from] CHEM 4102, 4X20, 4X88, 4X97H	1
<b>SUB-TOTAL HOURS</b>	<b>33-34</b>

\* Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3410.

**SUPPORTING COURSES**  
A grade of "C" or better is required in all supporting courses

PHYS 1410	4
PHYS 1420	4
MATH 2421	4
MATH 2322	3
<b>TOTAL HOURS</b>	<b>48-49</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION</b> (GRADES 7-12)	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

<b>TEACHING FIELDS</b>
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.

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN BIOCHEMISTRY</b> (4-8 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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, 3440, 3480, 4440	3-4
[Select 1 hr from] CHEM 4102, 4X20, 4X88, 4X97H	1
<b>SUB-TOTAL HOURS</b>	<b>36-38</b>
<b>* Students are strongly encouraged to take CHEM 2430 concurrently with CHEM 3410.</b>	
<b>SUPPORTING COURSES</b> A grade of "C" or better is required in all supporting courses	
MATH 2421	4
MATH 2322	3
BIOL 1306	3
BIOL 1106	1
BIMS 4350	3
BIMS 4150	1
[Select 1 course from] BIOL (1307 & 1107), 3460 BIMS 3350, 3410	3-4
[Select 4 hrs from] BIOL 3460 BIMS 3410	4
[Select 8-10 hrs from] PHYS 1410, 1420 <b>OR</b> PHYS 2510, 2520	8-10
<b>TOTAL HOURS</b>	<b>66-71</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**CHEMISTRY DEPARTMENT MINORS**

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

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

# COMMUNICATION STUDIES

Professor: McLamore, Division Chair

Assistant Professor: Kidd

Instructor: Whittemore

## Mission

The communication minor at McMurry University seeks to develop communicators as advocates capable of bridging boundaries, whether they are cultural, professional, or technological.

## Program Outcomes

The following program goals have been developed and recommended by the National Communication Association for communication studies and related programs:

1. **Engage in Communication Inquiry:** Formulate questions appropriate for Communication scholarship and engage in Communication scholarship using the research traditions of the discipline.
2. **Create Messages Appropriate to the Audience, Purpose, and Context:** locate and use information relevant to their audiences, purposes, and contexts; and select and present messages in creative and appropriate modalities and technologies to accomplish communicative goals.
3. **Critically Analyze Messages:** identify meanings that are embedded in messages, articulate characteristics of mediated and non-mediated messages, recognize the influence of messages, engage in active listening, and enact mindful responses to messages.
4. **Demonstrate Self-Efficacy:** articulate personal beliefs about abilities to accomplish communication goals and evaluate personal communication strengths and weaknesses.
5. **Apply Ethical Communication Principles and Practices:** identify ethical perspectives, explain the relevance of those perspectives, and articulate the ethical dimensions of communication situations. Students should choose to communicate with ethical intention, propose solutions for (un)ethical communication, and evaluate the ethical elements of a communication situation.
6. **Utilize Communication to Embrace Difference:** articulate the connection between communication and culture and respect diverse perspectives and the ways they influence communication.
7. **Influence Public Discourse:** frame and evaluate local, national, and/or global issues from a communication perspective and utilize communication to respond to such issues and advocate for courses of action.

## Courses Taught in Communication:

COMM 1310	Principles of Communication
COMM 2315	Intercultural Communication
COMM 2330	Business & Professional Communication
COMM 2335	Communication Theory
COMM 2350	Argumentation & Advocacy
COMM 3345	Internet, Media & Society
COMM 3369	Topics in Rhetoric
COMM 3375	Argumentation & Persuasion
COMM 3380	Conflict Management
COMM 4335	Communication Ethics
COMM XX99	Special Topics

MINOR IN COMMUNICATION	
COURSE	HOURS
COMM 1310 or 2330	3
COMM 2335 Communication Theory	3
COMM 2315 Intercultural Communication	3
COMM 3345 Internet, Media & Society	3
COMM 3369 Topics in Rhetoric	3
COMM 3375 Argumentation & Persuasion	3
COMM 4335 Communication Ethics	3
<b>TOTAL HOURS</b>	<b>21</b>

# DEPARTMENT OF COMPUTER SCIENCE

Professor: Wyatt  
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 1306	Programming for Non-majors
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 3325	HTML and Web Design
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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN COMPUTER SCIENCE</b> (3-7 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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 advanced hrs from] COSC, COIS, ITEC	6
<b>SUB-TOTAL HOURS</b>	<b>42</b>
<b>SUPPORTING COURSES</b> A grade of "C" or better is required in all supporting courses	
MATH 2421	4
MATH 2340	3
MATH 3351	3
MATH 4331	3
<b>TOTAL HOURS</b>	<b>55</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN INFORMATION TECHNOLOGY</b> (3-9 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
COSC 1322	3
COSC 1325	3
COIS 2350	3
ITEC 3310	3
COIS 3311	3
COIS 3320	3
ITEC 3320	3
ITEC 3325	3
COSC 3330	3
COIS 4350	3
COSC 4360	3
[Select 6 hrs from] Advanced electives COSC OR COIS	6
<b>SUB-TOTAL HOURS</b>	<b>39</b>
<b>SUPPORTING COURSES</b> A grade of "C" or better is required in all supporting courses	
COMM 2330 or ENGL 3385	3
MATH 3351	3
<b>TOTAL HOURS</b>	<b>45</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**BACHELOR OF SCIENCE – COMPUTER SCIENCE GRADES 6-12****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 developmental courses. A minimum of 39 credit hours must be advanced level.

♦ This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN COMPUTER SCIENCE</b> (3-7 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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 OR ITEC	6
<b>SUB-TOTAL HOURS</b>	<b>42</b>
<b>SUPPORTING COURSES</b> A grade of "C" or better is required in all supporting courses	
MATH 2421	4
MATH 2340	3
MATH 3351	3
MATH 4331	3
<b>TOTAL HOURS</b>	<b>55</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION (GRADES 6-12)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**COMPUTER SCIENCE DEPARTMENT MINORS****MINOR IN COMPUTER SCIENCE**

(Not available for COSC and ITEC majors, and COIS Concentration)

<b>COURSE</b>	<b>HOURS</b>
COSC 1325	<b>3</b>
COSC 1340	<b>3</b>
COIS 2350	<b>3</b>
COIS 3311	<b>3</b>
COSC 3360	<b>3</b>
[Select 3 hrs from] Advanced electives COSC, COIS <b>OR</b> ITEC	<b>3</b>
<b>TOTAL HOURS</b>	<b>18</b>

**MINOR IN INFORMATION TECHNOLOGY**

(Not available for COSC and ITEC majors, and COIS Concentration)

<b>COURSE</b>	<b>HOURS</b>
COSC 1322	<b>3</b>
COSC 1325	<b>3</b>
ITEC 3310	<b>3</b>
COIS 3311	<b>3</b>
COIS 3320	<b>3</b>
ITEC 3320	<b>3</b>
COSC 3330	<b>3</b>
<b>TOTAL HOURS</b>	<b>21</b>

# CURRICULUM AND INSTRUCTION

Professor: Hall, Department Chair  
Associate Professor: McInroe  
Instructor: Thomesen  
Visiting Instructors: Bull, Neal

**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 60 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 (Curr) 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:

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.
4. Apply for admission to clinical 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 (15 hours in science or math), 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. Demonstrate basic skills in reading, written communication, and mathematics.
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 clinical 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 ENGL 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, (15 hours in science or math), and one semester of

1. Demonstrate basic skills in reading, written communication, and mathematics.

## **Curriculum and Instruction**

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 CLINICAL TEACHING OR TEACHING INTERNSHIP**

The state of Texas requires a minimum of 14 weeks of full time clinical teaching. Clinical 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 clinical teaching or teaching internship. Students will not be admitted to clinical 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 clinical 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 clinical 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 clinical 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 9 will apply.

### **For middle school education candidates (4-8):**

Criteria listed above in 1, 2, 3, 4, 5, and 9 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, 2, 3, 4, 5, and 9 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, 2, 3, 4, 5, and 9 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 clinical teachers:**

- ◆ Students may not enroll or audit more than nine semester hours (six hours of clinical teaching, three hours of additional course work) including concurrent enrollment at other institutions during the semester of clinical 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 clinical 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. Undergo a fingerprint background check as a requirement for Texas Certification.
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. Must demonstrate basic skills in reading, written communication, and mathematics.
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 CURR 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.
3. Grade point average of 2.75 with no grade lower than a "C" in each of the following areas:
  - a) for EC-6 certification:
    - ◆ Professional development courses in the Curriculum and Instruction minor; and
    - ◆ All required courses for the Early Childhood Education degree
  - b) for 4-8 certification:
    - ◆ Professional development courses in the Curriculum and Instruction minor; and
    - ◆ All required courses for the 4-8 teaching field
  - c) for 7-12 certification:

- ◆ Professional development courses in the Curriculum and Instruction minor; and
- ◆ All required courses for the 7-12 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 7 through 12 and All Levels Certificates

This option is for students planning to teach in secondary schools grades 7 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.

<b>Teaching Field</b>	<b>Certification</b>
Art	All Levels
Chemistry	7 - 12
Computer Science	8 - 12
English Language Arts-Reading	7 - 12
History	7 - 12
Life Sciences	7 - 12
Mathematics	7 - 12
Physical Education	All Levels
Physical Sciences	6 - 12
Music	All Levels
Social Studies	7 - 12
Speech Communication (Post-Bacc students only)	8 - 12
Spanish	All Levels
Theatre Arts	EC - 12

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

CURR 2110	CURR 3301	CURR 3302	CURR 4125
CURR 4198	CURR 4324	CURR 4325	READ 3342

Six hours clinical 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.

<b>Teaching Field</b>	<b>Certification</b>
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 4123
CURR 4198	CURR 4322	CURR 4323	READ 3342

Six hours clinical 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

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

#### Certification

#### 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

READ 3300

#### Second Semester

CURR 2110  
ECED 3300  
READ 3334

1 Supporting Course:

ARTS 3370, ECED 3365,  
KINE 3340 or THRE 3360

1 Supporting Course:

ARTS 3370, ECED 3365,  
KINE 3340 or THRE 3360

#### Apply for Admission to Teacher Education Program

#### Third Semester

CURR 3301  
ECED 3330  
READ 3315, 3380

#### Fourth Semester

CURR 3302  
ECED 4370, 3360  
READ 3335, 4310  
(required for ESL endorsement)

#### Fifth Semester

CURR 4320, 4321, 4121  
ECED 3331  
READ 4337

#### Sixth Semester

CURR 4601, 4198  
ECED 4330

### 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 CURR 4305 are required for this certification and the ESL endorsement.

## **Curriculum and Instruction**

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### **Aides to Teachers**

McMurtry University offers a program for instructional classroom aides in EC-6 an opportunity to take courses late afternoon, early evening, and online, leading to the Bachelor of Science degree with a major in Early Childhood Education. When the program is successfully completed the student will be eligible for a standard Texas teaching certificate in EC-6 and ESL endorsement. Approval for beginning this program requires that the student submit official verification of employment as a teacher's aide. Questions concerning this program should be addressed to the head of the Curriculum and Instruction department.

### **FasTrack PROGRAM**

McMurtry 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 Department of Curriculum and Instruction and the FasTrack Program may apply through the FasTrack director 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 clinical teaching or a paid internship by completing 13-18 credit hours of course work. Individual plans will vary in requirements based upon an evaluation of each student's undergraduate course work. Elementary post baccalaureate programs are available and can generally be completed within one calendar year. Each applicant will schedule a required interview with the FasTrack director prior to application to the program. Two grades of C- or below or 2 withdrawals from the program require a 5 year waiting period before the student can reapply to the McMurtry FasTrack Program. 30 clock hours of field-based experience to be completed prior to clinical 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 (b) (1) of the Texas Education Code). The McMurtry FasTrack program requires more hours than this state minimum.

The FasTrack program is also available online through the McMurtry Virtual Campus. Please contact the FasTrack director or Virtual Campus representative for more information.

### **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 3365	Special Learners
CURR 4150	EC-6 Capstone
CURR 4198	Clinical Teaching Seminar
CURR 4320	Methods and Management Elementary
CURR 4321	Planning, Curriculum, and Assessment Elementary
CURR 4121	Professional Development Internship Elementary
CURR 4324	Methods and Management Secondary
CURR 4325	Professional Development Internship Secondary
CURR 4125	Professional Development Internship Secondary
CURR 4350	Methods and Management Elementary
CURR 4351	Planning, Curriculum, and Assessment Elementary
CURR 4354	Methods and Management Secondary
CURR 4355	Professional Development Internship Secondary
CURR 4160	Classroom Observation and Reflections (TxBess)
CURR 4600	Clinical Teaching
CURR 4388	Teaching Internship
CURR 4X95	Independent Studies
CURR 4X96H	Honors Tutorial
CURR 4X97H	Honors Thesis
CURR XX99	Special Topics

ECED 3300	Theory and Practice in Early Childhood Education
ECED 3330	Teaching Elementary Math I
ECED 3331	Teaching Elementary Math II
ECED 4360	Teaching Social Studies
ECED 3370	Assisting and Advancing Special Learners
ECED 4330	Language Acquisition and Development
ECED 4370	Teaching Science
ECED XX99	Special Topics
READ 3300	Introduction to the Teaching of Reading EC-6
READ 3315	Children's Literature I
READ 3316	Children's Literature II
READ 3332	Reading in the Content Areas Grades 4-8
READ 3334	Reading and Language Arts in Multilingual Cls. Room
READ 3335	Reading, Instruction and Assessment
READ 3338	Teaching Reading Grades 7-12
READ 3340	Teaching Reading Grades 4-8
READ 3342	Reading in the Content Areas Grades 7-12
READ 3380	Teaching Language Arts EC-6
READ 4310	Language Foundations
READ 4337	Diagnostic and Corrective Reading Grades EC-6
READ XX99	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 developmental courses. A minimum of 39 credit hours must be advanced level.

♦ This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MAJOR IN EARLY CHILDHOOD EDUCATION	
COURSE	HOURS
<b>Combination of Subjects</b>	
READ 3300	3
READ 3315	3
READ 3334	3
READ 3335	3
READ 3380	3
READ 4310	3
READ 4337	3
ECED 3300	3
ECED 3330	3
ECED 3331	3
ECED 3360	3
ECED 4330	3
ECED 4370	3
CURR 3365	3
<b>SUPPORTING COURSES</b>	
[Select 2 courses from] ARTS 3370, COSC 1305, ECED 3370, HIST 3310 KINE 3340, THRE 3360	6
<b>TOTAL HOURS</b>	48

MINOR IN CURRICULUM AND INSTRUCTION (GRADES EC-6)	
COURSE	HOURS
CURR 2110 The following CURR courses listed in this box require admission to the Teacher Education Program.	1
CURR 3301	3
CURR 3302	3
CURR 4320	3
CURR 4321	3
CURR 4121	1
CURR 4198	1
CURR 4601	6
<b>TOTAL HOURS</b>	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 2006.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT
ACAD 1340 Freshman Seminar

PLEASE 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.

ESL ENDORSEMENT	
COURSE	HOURS
READ 3334	3
READ 4310	3
ECED 4330	3
CURR 4305	3
<b>TOTAL HOURS</b>	<b>12</b>

**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.

BILINGUAL EDUCATION SUPPLEMENTAL GRADES EC-12	
COURSE	HOURS
SPAN 3301	3
SPAN 3331	3
READ 3334	3
HIST 3375 or SPAN 3336	3
SPAN Spanish Linguistics	3
SPAN 1410	4
SPAN 1420	4
SPAN 2310	3
SPAN 2320	3
<b>TOTAL HOURS</b>	<b>29</b>

**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.

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

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	3
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	6
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 4-8)	
COURSE	HOURS
CURR 2110	1
READ 3332	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4322	3
CURR 4323	3
CURR 4123	1
CURR 4198	1
CURR 4603	6
<b>TOTAL HOURS</b>	<b>24</b>

SELECT ONE TEACHING FIELD
<b>Available Teaching Fields</b> Science (4-8) Social Studies (4-8)

TEACHING FIELDS AVAILABLE THROUGH OTHER DEPARTMENTS	
English Language Arts / Read (4-8)	See English Department
Mathematics (4-8)	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 2006.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT
ACAD 1340 Freshman Seminar

**TEACHING FIELDS GRADES 4-8**

<b>SOCIAL STUDIES – TEACHING FIELD</b> (GRADES 4-8)	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>48</b>
<b>SUPPORTING COURSES</b>	
ECED 3361	3

<b>SCIENCE – TEACHING FIELD</b> (GRADES 4-8)	
<b>COURSE</b>	<b>HOURS</b>
BIOL 1306	3
BIOL 1106	1
BIOL 1307	3
BIOL 1107	1
BIOL 3403	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
<b>TOTAL HOURS</b>	<b>44</b>
<b>SUPPORTING COURSES</b>	
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 7-12)**

A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	3
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	6
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 7-12)	
COURSE	HOURS
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

SELECT ONE TEACHING FIELD
<b>Available Teaching Fields</b> Physical Science (6-12)

TEACHING FIELDS AVAILABLE THROUGH OTHER DEPARTMENTS	
Art (All Level)	See Art Department
Chemistry (7-12)	See Chemistry Department
Computer Science (8-12)	See Computer Science Department
English Language Arts (7-12)	See English Department
History (7-12)	See History Department
Life Science (7-12)	See Biology Department
Mathematics (7-12)	See Mathematics Department
Music (All Level)	See Music Department
Physical Education (All Level)	See Kinesiology Department
Social Studies (7-12)	See History and Political Science Depts.
Spanish (EC-12)	See Spanish Studies Department
Theatre Arts (EC-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 2006.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT	
ACAD 1340	Freshman Seminar

**MULTIDISCIPLINARY STUDIES I – TEACHING FIELDS – GRADES 7-12**

<b>PHYSICAL SCIENCES – TEACHING FIELD</b> GRADES 7-12	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>55-56</b>

# ENDORSEMENTS

## **Global Learning Endorsement**

The Global Learning Endorsement provides an opportunity for students to highlight academic achievement in global/international studies on their transcript. This endorsement will provide helpful documentation of the student's expertise for employment in an increasingly globalized world.

To obtain the endorsement, students must complete a minimum of 12 credit hours in courses that are marked "GLE" in the catalog. This endorsement is in addition to the major or minor, but it does not necessarily require additional courses. Typically, students can complete the 12 credit hour requirement in classes they would normally take in the course of completing General Education and Major/Minor requirements.

Universal eligibility requirements for all endorsements include

1. Any degree seeking McMurry student is eligible to participate.
2. Endorsements cannot be earned separate from a McMurry degree.
3. All endorsement coursework must be completed at McMurry University.
4. Endorsement curriculum must include at least four (4) courses (earning a minimum of 12 credit hours).
5. Unless specified higher by a specific endorsement, students must earn a grade of "C" or higher in all endorsement courses.
6. Students seeking this endorsement must declare their intention by noting it on a **Degree Audit Request** form in the Registrar's Office on or before September 1 prior to May/August graduation or February 1 prior to December graduation.

## **Courses Included in the Global Learning Endorsement:**

ENTR 2310	Intro to Entrepreneurship
ENTR 2320	Intro to Entrepreneurship
FINC 4340	International Financial Markets
IBUS 2310	Foundations of International Business
MGMT 3320	International Management
MKTG 4399	International Marketing
COMM 2315	Intercultural Communication
HIST 1310	World Civ to 1500
HIST 1320	World Civ since 1500
HIST 2330	Virtue in World History
HIST 3331	Modern Britain
HIST 3360	Renaissance and Reformation
HIST 3375	History of Mexico
POSC 1310	Introduction to Politics
POSC 2340	Introduction to Comparative Politics
POSC 2345	International Relations
POSC 2350	Contemporary Global Issues
POSC 3310	Political and Cultural Geography
POSC 3360	Modern Political Philosophy
POSC 3365	International Organizations
POSC 3375	Model UN
POSC 4360	Globalization
PSYC 3330	Multicultural Psychology
RELI 1330	Introduction to Christianity
RELI 2350	Religions of the World
RELI 3310	Eastern Orthodox Theology
RELI 3315	Catholic and Protestant Theology
RELI 3320	Biomedical Ethics
RELI 3330	Christian Ethics
RELI 3345	Global Christianity
CRIM 4365	Comparative Criminology
SOCI 2310	World Societies I
SOCI 2320	World Societies II
SOCI 3380	Native American Spirituality
SOCI 4330	Sociology of Religion
SRLD 1300	Ethics
SRLD 3320	Dialogue with the Other

# DEPARTMENT OF ENGLISH

*Professor McLamore, Division Chair  
 Professors: Lopez, Thompson  
 Associate Professor: Bonds  
 Instructors: Baker, Laurence*

**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**

A student whose academic placement results indicates 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 student has met this requirement, s/he must enroll in the corresponding academic course(s). Developmental courses begin with a 1, have a 0 as the second digit and a designator of "D" at the end of the course number. These courses are not college level and do not count towards hours used for graduation. They are calculated in the GPA and are used for semester creditload.

**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 1013D	Introduction to Composition I
ENGL 1023D	Introduction to Composition II
ENGL 1033D	Integrated Reading and Writing
ENGL 1041D	Writing Mechanics
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 2345	Introduction to Film
ENGL 2350	Topics in Literary Study
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 3345	Cinema Studies
ENGL 3355	Writing, Shooting, and Editing a Short Film
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 4345	Film Analysis
ENGL 4355	Writing for Film
ENGL 4360	Literary Theory
ENGL 4365	Film Seminar
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 4385	Seminar in Literary Studies
ENGL 4X95	Independent Studies
ENGL 4X96H	Honors Tutorial
ENGL 4X97H	Senior Thesis
ENGL 4X98	Senior Opus
ENGL XX99	Special Topics

**Certificate of Writing**

Demand for skilled writers and thinkers continues to grow in business, industry and government. Students with advanced training and practice in professional writing and editing skills have improved hiring opportunities and prospects for professional advancement.

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.

**Cetificate 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]	6
ENGL 3383, 4374, 4X95 BIOL 4101, 4201 CHEM 4101, 4102 HIST 3377, 4380 KINE 2145, 3245, 4245 THRE 3370, 4320	
<b>TOTAL HOURS</b>	<b>15</b>

**BACHELOR OF ARTS – ENGLISH****A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN ENGLISH</b> (6-9 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
ENGL 1310	3
ENGL 1320	3
ENGL 4360	3
ENGL 4385	3
[Select 9 hrs from] ENGL 2310, 2320, 2330, 2350	9
[Select 3 hrs from] ENGL 3313, 3315, 3316, 3380	3
[Select 6 hrs from] ENGL 3384, 3385, 4371, 4372, 4374	6
[Select 3 hrs from] ENGL 3310, 3320, 3330	3
[Select 3 hrs from] ENGL 3341, 3342	3
[Select 3 hrs from] ENGL 3373, 3374	3
<b>TOTAL HOURS</b>	<b>39</b>

**FOREIGN LANGUAGE REQUIREMENT**

This major requires at least 1 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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN ENGLISH AND WRITING</b> (6-9 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
ENGL 1310	<b>3</b>
ENGL 1320	<b>3</b>
ENGL 4360	<b>3</b>
ENGL 4385	<b>3</b>
[Select 9 hrs from] ENGL 2310, 2320, 2330, 2350	<b>9</b>
[Select 9 hrs advanced ENGL from] (No more than one course from each line) ENGL 3310, 3320, 3330 ENGL 3341, 3342, 3371, 3372 ENGL 3373, 3374	<b>9</b>
[Select 9 hrs from] ENGL 3385, 4371, 4372, 4374, 4375	<b>9</b>
<b>TOTAL HOURS</b>	<b>39</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN ENGLISH LANGUAGE ARTS &amp; READING (GRADES 4-8)</b>	
<b>COURSE</b>	<b>HOURS</b>
ENGL 3383	3
ENGL 3384	3
READ 3300	3
READ 3315	3
READ 3335	3
READ 3380	3
READ 4310	3
ECED 3354	3
ECED 4330	3
[Select 6 hrs from] ENGL 2310, 2320, 2330, 2350	6
[Select 3 hrs from] ENGL 4371, 4372	3
[Select 9 hrs from] ENGL 3310, 3313, 3320, 3330, 3341, 3342, 3373, 3374, 3380	9
<b>TOTAL HOURS</b>	<b>45</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION (GRADES 4-8)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3332	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4322	3
CURR 4323	3
CURR 4123	1
CURR 4198	1
CURR 4603	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**English****BACHELOR OF ARTS – ENGLISH LANGUAGE ARTS & READING GRADES 7-12****A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN ENGLISH LANGUAGE ARTS & READING GRADES 7-12**

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

• This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN ENGLISH LANGUAGE ARTS &amp; READING (GRADES 7-12)</b>	
<b>COURSE</b>	<b>HOURS</b>
ENGL 3383	3
ENGL 4340	3
ENGL 3384	3
READ 3300	3
READ 3315	3
READ 3338	3
READ 4310	3
[Select 6 hrs from] ENGL 2310, 2320, 2330, 2350	6
[Select 3 hrs from] ENGL 4371, 4372	3
[Select 6 hrs from] ENGL 3310, 3313, 3320, 3330, 3341, 3342, 3371, 3372, 3373, 3374, 3380	9
[Select 3 hrs from] ENGL 4371, 4372, 4374, 4375	3
<b>TOTAL HOURS</b>	<b>42</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION (GRADES 7-12)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**ENGLISH DEPARTMENT MINORS****MINOR IN ENGLISH**

(Not available for English or English and Writing majors)

<b>COURSE</b>	<b>HOURS</b>
ENGL 1310	<b>3</b>
ENGL 1320	<b>3</b>
[Select 6 hrs from] ENGL 2310, 2320, 2330, 2350	<b>6</b>
[Select 9 hrs from] Advanced English courses	<b>9</b>
<b>TOTAL HOURS</b>	<b>21</b>

**MINOR IN FILM STUDIES**

(Available with any major, but the following courses can only be used once in a major and minor combination.)

<b>COURSE</b>	<b>HOURS</b>
ENGL 2345	<b>3</b>
ENGL 3345	<b>3</b>
ENGL 3355	<b>3</b>
ENGL 4345	<b>3</b>
ENGL 4355	<b>3</b>
ENGL 4365	<b>3</b>
<b>TOTAL HOURS</b>	<b>18</b>

## GEOSCIENCES

### 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	Environmental Geology
GEOS 1410	Physical Geology

## CENTER FOR INTERNATIONAL EDUCATION

*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 21<sup>st</sup> century. McMurry's Center for International Education (CIE) 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 CIE 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 2019-2022 is *BRIDGE*. *BRIDGE* stands for Building Relationships in a Diverse Global Environment. This theme promotes international education, interfaith cooperation, intercultural understanding, and servant leadership. The coming academic year will serve as a time of awareness-raising and preparation concerning pedagogical and civic implications of this theme.

#### ... 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
COSC 3315	Information and Communication Technologies

CURR 4305	Clinical Teaching in the ESL or BIED Classroom	RELI 3315	Catholic and Protestant Theology in Dialogue
ECON 2310	Principles of Macroeconomics	RELI 3330	Christian Ethics
ENGL 2310	Masterpieces of British Literature	RELI 3375	History of Christianity to 1500
ENGL 2330	Masterpieces of World Literature	RELI 3385	History of Christianity from 1500
ENGL 3310	Medieval English Literature	RELI 3390	Christianity in Scotland
ENGL 3313	World Literature	RELI 4315	Reformation Theology
ENGL 3320	English Renaissance	RELI 4325	Modern Theology
ENGL 3330	Restoration and 18th Century English Literature	RELI 4375	Augustine, Anselm, Aquinas, and Luther
ENGL 3341	English Romanticism	RELI 4380	The Methodist Movement, Pietism and Evangelical Revival
ENGL 3342	The Victorian Period	SRLD 1300	Introduction to Ethics
ENGL 4309	Holocaust through the Eyes of Elie Wiesel	SRLD 1310	Concepts and Techniques of Servant Leadership
FNAR 2310	Survey of Fine Arts	SRLD 2310	Formation in Servant Leadership
FINC 4340	International Financial Markets	SRLD 3310	Theories of Leadership
GREK	Greek. All language courses contribute to global competency.	SRLD 3320	Dialogue with the Other
HIST 1310	World Civilization to 1500	SOCI 2310	World Societies I
HIST 1320	World Civilization Since 1500	SOCI 2320	World Societies II
HIST 2330	Virtue in World History	SOCI 3330	Social Stratification
HIST 3331	Modern Britain	SOCI 3350	Race and Ethnicity
HIST 3360	Renaissance and Reformation	SOCI 3370	Gender and Society
HIST 3363	Nineteenth Century Europe	SOCI 3392	Social Policy
HIST 3364	Twentieth Century Europe	SOCI 4330	Sociology of Religion
HIST 3375	Mexico	SOCI 4335	Women and Crime
HIST 4360	Russia and the Soviet Union	SOCI 4385	Comparative Criminology
HIST 4365	Modern Germany	SPAN	Spanish. All language courses contribute to global competency.
HIST 4375	Special Topics in World History	THRE 3350	Theatre History and Dramatic Literature: Greeks to 19th Century
MULH 2301	Music Appreciation	THRE 3365	Theatre History and Dramatic Literature: 19th Century to Present
MULH 2380	Introduction to Music History	THRE 4363	American Musical Theatre
MULH 3375	Western Music 1450 - 1800		
MULH 3380	Western Music 1800 - present		
NURS 4335	Community and Public Health Nursing	TOUR 3340	Heritage Tourism
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 2370	Social Psychology		
PSYC 3330	Multicultural Psychology		
PSYC 4320	Psychology of the Criminal Mind		
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		

# DEPARTMENT OF HISTORY

Professor: Frazier, Department Chair

Professor: Hardin

**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 students majoring in history. It is automatically renewable for up to 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 800 campuses across the United States. Membership is based on a 3.0 overall GPA and completion of 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 1300	Making History
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 3360	Renaissance and Reformation
HIST 3363	Nineteenth Century Europe
HIST 3364	Twentieth Century Europe

HIST 3375	Mexico
HIST 3377	Historiography and Methods
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

**BACHELOR OF ARTS – HISTORY****A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN HISTORY</b> (3-6 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
HIST 1300	3
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
[Select 6 hrs advanced HIST from] HIST 3310, 3351, 3352, 3354, 4330, 4345, 4354	6
[Select 6 hrs from] HIST 3331, 3360, 3363, 3364, 3375, 4360, 4365, 4375	6
[Select 6 hrs from] Advanced U.S. or World History courses	6
<b>TOTAL HOURS</b>	<b>39</b>

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 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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**History****BACHELOR OF ARTS – HISTORY GRADES 7-12****A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN HISTORY (GRADES 7-12)</b>	
<b>(3-6 hours may also meet general education requirements)</b>	
<b>COURSE</b>	<b>HOURS</b>
HIST 1300	3
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
[Select 6 hrs advanced HIST from] HIST 3310, 3351, 3352, 3354, 4330, 4345, 4354	6
[Select 6 hrs from] HIST 3331, 3360, 3363, 3364, 3375, 4360, 4365, 4375	6
[Select 6 hrs from] Advanced U.S. or World History courses	6
<b>TOTAL HOURS</b>	<b>39</b>

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.

<b>MINOR IN CURRICULUM AND INSTRUCTION (GRADES 7-12)</b>	
<b>(GRADES 7-12)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**BACHELOR OF ARTS – SOCIAL STUDIES GRADES 7-12****MINORS IN SOCIAL STUDIES AND CURRICULUM AND INSTRUCTION ARE REQUIRED**

- ♦ All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

<b>MAJOR IN HISTORY</b> (GRADES 8-12) (9 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
HIST 1300	3
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
[Select 6 hrs advanced HIST from] HIST 3310, 3351, 3352, 3354, 4330, 4345, 4354	6
[Select 6 hrs from] HIST 3314, 3331, 3360, 3363, 3364, 3375, 4360, 4365, 4375	6
[Select 6 hrs from] Advanced U.S. or World History courses	6
<b>TOTAL HOURS</b>	<b>39</b>

<b>MINOR IN SOCIAL STUDIES</b> (GRADES 7-12) (Not available for Political Science majors)	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>24</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION</b> (GRADES 7-12)	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**HISTORY DEPARTMENT MINORS**

<b>MINOR IN HISTORY</b>	
(Not available for History or Social Studies majors)	
(Not available for MS degrees with Teaching Field in Social Studies)	
COURSE	HOURS
HIST 1300	3
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
[Select 6 hrs from] Advanced History Electives	6
<b>TOTAL HOURS</b>	<b>21</b>

# DEPARTMENT OF HUMAN HEALTH SCIENCE

*Professor: Wilson, Department Chair*

*Professors: Rutledge, Shin, Smith*

*Associate Professors: McMurray, Pyenta, Sharp*

*Assistant Professors: Dalton, O'Connell*

*Instructor: Wright*

The Department of Human Health Science serves as the home for the study of human biology and preparation for careers in medicine, research, healthcare, public health, and wellness. We provide our students with exceptional knowledge, skills, and experiences essential to leading productive and successful careers. It is our intention that every graduate is ready to contribute through thought and action to finding and implementing solutions to scientific problems, health care challenges, and improving public health.

The Department is composed of faculty from the departments of Biology, Chemistry, and Kinesiology who hold joint appointments and who, through teaching and/or research, have an interest in contributing to the preparation of our graduates in the pursuit of health research and health care careers.

## **Department of Human Health Science Mission and Goals:**

The Mission of the Department of Human Health Science is to provide our students with knowledge, skills, and experiences that prepare them for successful careers in research and health care delivery.

Our goals for accomplishing this are as follows:

- ◆ *Provision of outstanding courses and instruction bringing a working knowledge of human health science.* We want our courses to provide the foundation required on which life-long learning can occur.
- ◆ *Provision of outstanding laboratory experiences that build skills useful in science and healthcare professions.* We want our labs to help train students in relevant skills that are of value in research and health care fields.
- ◆ *Encouraging experiences that bring application of knowledge and skills in real world settings.* We want our students to see their education in action outside of lecture and lab to make a difference for others.

## **Programs of the Department of Human Health Science:**

### **Bachelor of Science in Human Health Science**

The B.S. in Human Health Science is the sole major offered, with three concentrations for unique groups of students.

- ◆ The **Medical and Research** concentration is intended to provide exceptional preparation for future research scientists and medical professionals. Pre-requisites for medical and dental schools, research positions, and graduate programs are met through completion of this concentration. This includes completion of a minimum of Chemistry through Organic II and a year of College Physics. Students pursuing this concentration may be eligible for early acceptance into Doctor of Pharmacy and Doctor of Dental Surgery programs through articulation agreements in force, as well as articulation into the Master of Biotechnology and Master of Public Health programs at Texas Tech University Health Sciences Center Abilene.
- ◆ The **Allied Health Professions Preparation** concentration is intended to provide outstanding preparation for graduates considering careers in many healthcare fields. Pre-requisites for physical therapy, occupational therapy, chiropractic, and other important healthcare options are met through this concentration. This includes a year of General Chemistry and College Physics. Students pursuing this concentration may be

eligible for early acceptance into Doctor of Physical Therapy and Master of Public Health programs.

◆ The **Public Health and Wellness** concentration is intended to provide excellent preparation for careers in promoting and supporting public health and wellness. Pre-requisites for Master of Public Health programs and less preparation-intensive healthcare professions are met through this concentration. This concentration emphasizes the human interaction component of human health science, with greater emphasis on social science and business course work. Students pursuing this concentration may be eligible for early acceptance into Master of Public Health programs.

Though these three concentrations meet the strengths and interests of three distinct groups of students, all three share a common core of courses and support the mission and goals of the Department.

In addition, the Department of Human Health Science serves as the home for pre-nursing students and most of the Pre-Health Professions programs. Foundational course work and support for future nurses is provided by the HHSC faculty, as well as career guidance and preparation for students interested in health professions.

## **Special Programs and Opportunities:**

**Departmental Honors.** Please see the description of the Honors Program under the Special Program section earlier in the catalog, including the specific requirements for Departmental Honors in Human Health Science.

**Departmental Awards.** Each spring, awards are presented to the outstanding freshman, sophomore, junior and senior students in the three B.S. in Human Health Science concentrations and students preparing for the B.S. in Nursing program.

**Undergraduate Research and Research Teams.** A key part of student development in this department is experiences to demonstrate “knowledge in action”. One important option is undergraduate research, where students work with faculty individually or as part of a team to study human health science through observation and experimentation. Research provides a “deep dive” into an area of human health science to provide balance to the breadth of preparation in the courses of the major, and joining faculty in their research builds mentor-apprentice relations that build confidence and abilities untapped in traditional catalog courses.

McMurry supports faculty in building Research Teams to pursue research. Groups of 4-5 students join with faculty to work together in pursuit of answers to important research questions. Students do the research and evaluate its importance under the guidance of their mentor. The Research Team course may be taken up to four times for credit, with students growing in their responsibilities and level of ownership of individual projects during that time.

## **Courses Taught in the Department of Human Health Science**

HHSC 1310	Introduction to Nutrition
HHSC 3100L	Research Team Lab
HHSC 3110	Junior Seminar
HHSC 3310	Introduction to Public Health
HHSC 3320	Contemporary Issues in Healthcare and Medicine
HHSC 3440	Human Genetics
HHSC 4101	Research Communication
HHSC 4201	Senior Capstone Experience
HHSC 4X88	Internship
HHSC 4X96	Honors Research
HHSC 4X97	Honors Thesis
HHSC XX95	Independent Study
HHSC XX99	Special Topics

**Human Health Science**
**BACHELOR OF SCIENCE – HUMAN HEALTH SCIENCE W/ ALLIED HEALTH PROFESSIONS PREP CONCENTRATION**
**A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN HHSC**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1210, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN HUMAN HEALTH SCIENCE ALLIED HEALTH PROFESSIONS PREPARATION CONCENTRATION</b>	
<b>HHSC CORE</b>	<b>HOURS</b>
HHSC 1310 Introduction to Nutrition BIMS 2105 Medical Terminology I BIMS 3205 Medical Terminology II BIOL 2401 Human Anatomy & Physiology I (Gen Ed) HHSC 3110 Junior Seminar	<b>3 1 2 4 1</b>
<b>Capstone [Select 3 hours from]</b> HHSC 4201/4101 Senior Capstone/Research Comm HHSC 4388 Internship HHSC 4X96/4X97 Honors Research/Thesis * *(this option for students doing departmental honors / 7 hours required Research/Thesis)	<b>3</b>
<b>ALLIED HEALTH PROFESSIONS PREPARATION CONCENTRATION</b>	
KINE 2330 Foundations Exercise Science BIOL 2402 Human Anatomy & Physiology II KINE 3300 Statistics for Measurement and Evaluation KINE 3302 Introduction to Motor Learning KINE 3307 Nutrition for the Health Sciences KINE 3321 Anatomical Kinesiology KINE 3325 Biomechanical Kinesiology KINE 4320 Physiology of Exercise	<b>3 4 3 3 3 3 3 3</b>
<b>[Select 13 hrs from]</b> HFIT 1210 Fitness for Living BIOL 3403 Foundations of Microbiology BIOL 3430 Human Physiology KINE 3245 Writing Using APA Style KINE 4245 Experimental Research & Writing in ES KINE 3310 Exercise Prescription KINE 3360 Responding to Emergencies KINE 4220 Laboratory Testing in Exercise Science PREP 2105/2106 Seminar in Health Professions I & II PSYC 3390 Psychopharmacology PSYC 4341 Physiological Psychology I PSYC 3385 Gerontology RELI 3320 Biomedical Ethics PSYC 4300 Abnormal Psychology HHSC 3310 Intro to Public Health HHSC 3320 Contemporary Issues in Research & Healthcare HHSC 3100L Research Teams Lab	<b>13</b>
<b>SUPPORTING COURSES</b>	
CHEM 1410/1420 General Chemistry I & II PHYS 1410/1420 General Physics I & II PSYC 1340 (Gen Ed) General Psychology	<b>8 8 3</b>
<b>TOTAL HOURS</b>	<b>71</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**BACHELOR OF SCIENCE – HUMAN HEALTH SCIENCE W/ MEDICAL & RESEARCH CONCENTRATION****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN HHSC**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN HUMAN HEALTH SCIENCE MEDICAL AND RESEARCH CONCENTRATION</b>	
<b>HHSC CORE</b>	<b>HOURS</b>
HHSC 1310 Introduction to Nutrition BIMS 2105 Medical Terminology I BIMS 3205 Medical Terminology II BIOL 2401 Human Anatomy & Physiology I (Gen Ed) HHSC 3110 Junior Seminar	<b>3 1 2 4 1</b>
<b>Capstone [Select 3 hours from]</b> HHSC 4201/4101 Senior Capstone/Research Comm HHSC 4388 Internship HHSC 4X96/4X97 Honors Research/Thesis * *(this option for students doing departmental honors / 7 hours required Research/Thesis)	<b>3</b>
<b>MEDICAL AND RESEARCH CONCENTRATION</b>	
BIOL 1306/BIOL 1106 General Biology 1/Lab BIOL 2402 Human Anatomy & Physiology II BIMS 3350 Cell Biology HHSC 3440 Human Genetics BIMS 4350/4150 Molecular Biology/Lab	<b>4 4 3 4 4</b>
<b>[Select 8 hrs from]</b> BIOL 3403 Found of Microbiol or BIMS 3410 Microbiol BIMS 3430 Human Physiology CHEM 3441 Biochemistry I Any advanced HHSC, CHEM, BIMS laboratory course	<b>8</b>
<b>[Select 3 hrs from]</b> HHSC 3310 Intro to Public Health HHSC 3320 Contemp Issues in Research & Healthcare RELI 3320 Bioethics	<b>3</b>
<b>[Select 2 hrs from]</b> HHSC 3100L Research Team (repeatable) HHSC XX95 Independent Studies	<b>2</b>
<b>SUPPORTING COURSES</b>	
CHEM 1410/1420 General Chemistry I/II CHEM 3410/3420 Organic Chemistry I/II PHYS 1410/1420 College Physics I/II MATH 3351 (Gen Ed) Statistics	<b>8 8 8 3</b>
<b>TOTAL HOURS</b>	<b>73</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**Human Health Science****BACHELOR OF SCIENCE – HUMAN HEALTH SCIENCE W/ PUBLIC HEALTH AND WELLNESS CONCENTRATION****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN HHSC**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN HUMAN HEALTH SCIENCE PUBLIC HEALTH AND WELLNESS CONCENTRATION</b>	
<b>HHSC CORE</b>	<b>HOURS</b>
HHSC 1310 Introduction to Nutrition BIMS 2105 Medical Terminology I BIMS 3205 Medical Terminology II BIOL 2401 Human Anatomy & Physiology I (Gen Ed) HHSC 3110 Junior Seminar	<b>3 1 2 4 1</b>
<b>Capstone [Select 3 hours from]</b> HHSC 4201/4101 Senior Capstone/Research Comm HHSC 4388 Internship HHSC 4X96/4X97 Honors Research/Thesis * *(this option for students doing departmental honors / 7 hours required Research/Thesis)	<b>3</b>
<b>PUBLIC HEALTH AND WELLNESS CONCENTRATION</b>	
HFIT 1210 Fitness for Living (Gen Ed) KINE 2330 Foundations of Exercise Science KINE 3300 Statistics for Measurement and Evaluation KINE 3307 Nutrition for the Health Sciences KINE 3310 Exercise Prescription KINE 3320 Exercise Leadership KINE 3321 Anatomical Kinesiology KINE 3331 Personal and Community Health KINE 4220 Laboratory Testing in Exercise Science KINE 4320 Physiology of Exercise KINE 4325 Risk Management in Exercise Science HHSC 3310 Intro to Public Health HHSC 3320 Contemporary Issues in Research & Healthcare	<b>2 3 3 3 3 3 3 3 2 3 3 3 3 3</b>
<b>[Select 15 hrs from]</b> BIOL 2402 Human Anatomy & Physiology II KINE 2335 Accident Prevention and Care of Injuries KINE 3302 Intro to Motor Learning KINE 3360 Responding to Emergencies KINE 4245 Experimental Research & Writing in ES PSYC 1340 General Psychology PSYC 3385 Gerontology RELI 3320 Biomedical Ethics SOCI 3362 Aging and Society HHSC 3100L Research Teams (may be repeated for credit)	<b>15</b>
<b>SUPPORTING COURSES</b>	
ACCT 2310 Financial Accounting MGMT 3310 Principles of Management	<b>3 3</b>
<b>TOTAL HOURS</b>	<b>72</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

# 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
- Communication
- Criminology
- Early Childhood Education
- Ethics
- Film Studies
- History
- Interfaith Studies
- Kinesiology
- Mathematics
- 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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN INTERDISCIPLINARY STUDIES</b>	
<b>COURSE</b>	<b>HOURS</b>
Please select <b>THREE</b> Interdisciplinary <b>CONCENTRATIONS</b> from the following page	<b>54-64</b>
Capstone Course	<b>1-3</b>
<b>SUPPORTING COURSES</b>	
<b>MATHEMATICS / NATURAL SCIENCE (3-4 hrs)</b> [Select 3-4 hrs (not taken in General Education) from] MATH 1311 or higher <b>OR</b> Any Natural Science course	<b>3-4</b>
<b>FOREIGN LANGUAGE (4 hrs)</b> [Select 4 hrs from] FRENCH, GERMAN, GREEK, or SPANISH	<b>4</b>
<b>TOTAL HOURS</b>	<b>62-75</b>

**PLEASE NOTE**

Students cannot select a double degree, double major, or a minor with the Bachelor of Interdisciplinary Studies degree.

**FOREIGN LANGUAGE REQUIREMENT**

This major requires at least 1 semester of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**BACHELOR OF INTERDISCIPLINARY STUDIES – CONCENTRATIONS**

<b>ART CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
ARTS 1300	3
ARTS 1310	3
ARTS 1313	3
ARTS 2300	3
[Select 9 advanced hrs from] ARTS electives	9
<b>TOTAL HOURS</b>	<b>21</b>

<b>BUSINESS CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
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 advanced MGMT or MKTG course	3
<b>TOTAL HOURS</b>	<b>18</b>

<b>ADMINISTRATION OF COACHING CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
KINE 3100	1
[Select 13 hrs from] KINE 2261, 2335, 3245, 3307, 3310, 3320, 3325, 3330, 3331, 3360, 3365, 4315, 4325, 4330, 4388	13
[Select 4 hrs from] KINE 2211, 2212, 2213, 2214	4
<b>TOTAL HOURS</b>	<b>18</b>

<b>CHRISTIAN MINISTRY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>21</b>

<b>ALLIED HEALTH CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
BIOL 2401	4
BIOL 2402	4
[Select 4 hrs from] CHEM 1405, 1406, 1410, 1420	4
KINE 3307	3
BIMS 2105	1
[Select 6 hrs from] BIOL 3403 BIMS 3430 KINE 3307 KINE 3321 KINE 3331 NURS 3410 MATH 3351	6
<b>TOTAL HOURS</b>	<b>22</b>

<b>COMMUNICATION CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
COMM 1310 or 2330	3
COMM 2315 Intercultural Communication	3
COMM 2335 Communication Theory	3
COMM 3345 Internet, Media & Society	3
COMM 3369 Topics in Rhetoric	3
COMM 3375 Argumentation & Persuasion	3
COMM 4335 Communication Ethics	3
<b>TOTAL HOURS</b>	<b>21</b>

<b>CRIMINOLOGY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
CRIM 2315	3
CRIM 3325	3
CRIM 3335	3
CRIM 3355	3
CRIM 3385	3
CRIM 4375 (Capstone)	3
<b>TOTAL HOURS</b>	<b>18</b>

**BACHELOR OF INTERDISCIPLINARY STUDIES – CONCENTRATIONS**

<b>EARLY CHILDHOOD EDUCATION CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>18</b>

<b>INTERFAITH STUDIES CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
RELI 1330	3
RELI 2350	3
SRLD 3320	3
RELI 4355	3
[Select 6 hrs from] PHIL 4300, RELI 3345, SOCI 3380, 4330, 4342	6
<b>TOTAL HOURS</b>	<b>18</b>

<b>ETHICS CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>21</b>

<b>KINESIOLOGY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
KINE 2330	3
[Select 12 hrs from] KINE 2261, 3300, 3307, 3310, 3320, 3325, 3330, 3331, 3340, 3341, 3350, 3360, 3365, 4315, 4388	12
[Select 1 hrs from each of the following 3 groups] HFIT 1120-1129 HFIT 1130-1139 HFIT 1140-1149	1
<b>TOTAL HOURS</b>	<b>18</b>

<b>FILM STUDIES CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
ENGL 2345	3
ENGL 3345	3
ENGL 3355	3
ENGL 4345	3
ENGL 4355	3
ENGL 4365	3
<b>TOTAL HOURS</b>	<b>18</b>

<b>MATHEMATICS CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
MATH 2421	4
MATH 2322	3
MATH 2340	3
[Select 3 hrs from] MATH 3301, 3341	3
[Select 6 hrs from] Advanced MATH Courses	6
<b>TOTAL HOURS</b>	<b>19</b>

<b>HISTORY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
HIST 1300	3
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
[Select 9 hrs from] Advanced History electives	9
<b>TOTAL HOURS</b>	<b>24</b>

<b>MULTIMEDIA APPLICATIONS CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
ARTS 1310	3
ARTS 2315	3
ARTS 3305	3
MMAP 2310	3
MMAP 2340	3
MMAP 3310	3
MMAP 3340	3
<b>TOTAL HOURS</b>	<b>21</b>

**BACHELOR OF INTERDISCIPLINARY STUDIES – CONCENTRATIONS**

<b>MUSIC CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
MUTH 1330 - MUTH 1130	4
MUTH 1340 - MUTH 1140	4
MULH 2380	3
[Select 9 hrs from] Advanced electives	9
<b>Principal Instrument</b> (4 semesters)	4
<b>Ensemble</b> (2 semesters)	2
MUSI 1000 - Recital Attendance (minimum of 4 semesters)	0
<b>TOTAL HOURS</b>	<b>26</b>

<b>THEATRE CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
THRE 2330	3
THRE 2340	3
THRE 3320	3
THRE 3350 or THRE 3365	3
[Select 9 hrs from] Advanced Theatre electives	9
<b>TOTAL HOURS</b>	<b>21</b>

<b>PSYCHOLOGY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
PSYC 1340	3
[Select 9 hrs from] PSYC 2360, 2370, 3301, 3320, 3382, 4300, 4341, 4375	9
[Select 6 hrs from] Advanced Psychology electives	6
<b>TOTAL HOURS</b>	<b>18</b>

<b>SERVANT LEADERSHIP CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
SRLD 1310	3
HIST 2330 <b>OR</b> SOCI 2310	3
HIST 2340 <b>OR</b> SOCI 2320	3
SRLD 2310	3
SRLD 3310	3
SRLD 3320	3
SRLD 4388	3
<b>TOTAL HOURS</b>	<b>21</b>

<b>SOCIOLOGY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
SOCI 1310	3
SOCI 1320	3
SOCI 2350	3
SOCI 3330	3
SOCI 3350	3
SOCI 3360 (Capstone)	3
<b>TOTAL HOURS</b>	<b>18</b>

# DEPARTMENT OF KINESIOLOGY & HEALTH FITNESS

Professor: Smith, Department Chair  
Professor: Rutledge  
Associate Professor: McMurray  
Assistant Professor: Dalton  
Visiting Assistant Professor: Morris  
Instructor: Verhulst

**Mission and Goals:**

Through university and community-based programs, the Department of Kinesiology and Health Fitness uniquely blends spiritual, emotional, intellectual, social, and physical dimensions into learning about wellness promotion. Faculty direct students to develop personal goals, investigate career requirements, select appropriate degree plans, and enthusiastically engage in course activities. Overall, students are challenged to investigate diverse wellness issues and encouraged to serve. Graduates from the Department are prepared for the next step in careers of teaching, coaching, athletic training, physical therapy, occupational therapy, fitness program management, consulting, community-based program development, and other sports related endeavors.

Through classroom and physically active experiences, students are challenged to:

- ◆ Effectively communicate orally and in writing, apply but also innovate, and be professionally collaborative in health and fitness-related enterprises.
- ◆ Establish the value of health and fitness for self, associates, and society as a whole, by utilizing best practices for safety and injury prevention.
- ◆ Develop knowledge, attitudes, and habits necessary to maintain health and achieve optimal well-being.
- ◆ Acquire knowledge and skills for successful health and fitness-related careers using evidence-based research.
- ◆ Engage in scholarly and creative activity that analyzes one's own work and the work of others.
- ◆ Assess behavior, prescribe exercise, and apply appropriate leadership to enhance physical, intellectual, spiritual, social, and emotional well-being of a variety of participants.
- ◆ Create a foundation to gain wisdom throughout the lifespan.

**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. The Dr. Pug Deavenport Parris Endowed Scholarship is awarded to students

meeting two of the following three criteria: active in campus ministries or local United Methodist church, a member of the Kinesiology club, or is from the geographic area serviced by the Northwest Texas or New Mexico Conferences of the United Methodist Church.

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

**Courses Taught in the Kinesiology Department:**

HFIT 1120	Racquet Sports
HFIT 1130	Team Sports
HFIT 1140	Aerobics
HFIT 1143	Power Walking
HFIT 1192	Circuit Training
HFIT 1193	Group Exercise
HFIT 1200	Fitness For Living Modified
HFIT 1210	Fitness For Living
HFIT XX99	Special Topics
KINE 2211	Coaching and Officiating Football
KINE 2212	Coaching and Officiating Basketball
KINE 2213	Coaching and Officiating Volleyball
KINE 2214	Coaching and Officiating 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 3180	Athletic Training Practicum
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 Rhythmic Activities for Children
KINE 3350	Instruction Strategies for Secondary School PE
KINE 3360	Responding to Emergencies
KINE 3365	Functional Anatomy
KINE 3370	Principles of Rehabilitation
KINE 4100	Applied Pharmacology for Athletic Trainers
KINE 4120	Pedagogical Apprenticeship
KINE 4220	Laboratory Testing in Exercise Science
KINE 4315	Exercise Physiology for Education Professions
KINE 4320	Physiology of Exercise
KINE 4325	Risk Management in Exercise Science
KINE 4330	Organization and Administration of Athletics
KINE 4345	Experimental Research and Writing in Exercise Science
KINE 4350	Manual Therapy
KINE 4388	Internship ( <i>Taken during last semester at McMurry</i> )
KINE 4X95	Independent Studies
KINE 4X96H	Honors Tutorial
KINE 4X97H	Honors Thesis
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 developmental courses. A minimum of 39 credit hours must be advanced level.

♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN ALL LEVEL PHYSICAL EDUCATION</b>	
<b>COURSE</b>	<b>HOURS</b>
KINE 2330	3
KINE 2335	3
KINE 3310	3
KINE 3330	3
KINE 3331	3
KINE 3340	3
KINE 3350	3
KINE 3365	3
KINE 4120	1
KINE 4315	3
[Select 3 hrs from] KINE 3302 PSYC 2360	3
[Select 6 hrs from] KINE 2261, 3300, 3307, 3341, 3360, 3399, 4325, 4330, 4399, (KINE 3100 + 2 hrs from KINE 2211, 2212, 2213, 2214)	6
HFIT 1210	2
[Select 1 Racquet Sport from] HFIT 1120-1129	1
[Select 1 Team Sport from] HFIT 1130-1139	1
[Select 1 Cardio Sport] HFIT 1140-1149	1
<b>TOTAL HOURS</b>	<b>42</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION (ALL LEVEL)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**BACHELOR OF SCIENCE – SPORTS AND WELLNESS LEADERSHIP****A MINOR IS NOT REQUIRED FOR THE BACHELOR OF SCIENCE DEGREE IN SPORTS AND WELLNESS LEADERSHIP**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>	<b>MAJOR IN SPORTS &amp; WELLNESS LEADERSHIP (5 hours will meet general education requirements)</b>	
		<b>SPORTS AND WELLNESS COURSES</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>	KINE 2330 Foundations of Exercise Science KINE 2335 Accident Prevention, Care of Injuries KINE 3245 Writing Using APA Style KINE 3300 Statistics, Measurement & Evaluation in ES KINE 3307 Nutrition for the Health Sciences KINE 3310 Exercise Prescription KINE 3320 Exercise Leadership KINE 3360 Responding to Emergencies KINE 4220 Lab Testing in Exercise Science KINE 4388 Internship (Practicum) in Exercise Science HFIT 1210 Fitness for Living (meets Gen Ed) PSYC 1340 General Psychology (meets Gen Ed) ACCT 2310 Financial Accounting	<b>3</b> <b>3</b> <b>2</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>2</b> <b>3</b> <b>2</b> <b>3</b> <b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>		
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)			
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>		
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)			
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>		
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>		
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>		
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>		
<b>BUSINESS</b> ECON 2310, 2320			
<b>COMPUTER SCIENCE</b> COSC 1306, 1322			
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330			
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210			
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420			
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350			
<b>PSYCHOLOGY</b> PSYC 1340, 2360			
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370			
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310			
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310			
<b>TOTAL HOURS</b>	<b>39-41</b>	<b>TOTAL HOURS</b>	<b>70</b>
<b>FOREIGN LANGUAGE REQUIREMENT</b>			
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 2006.			
<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>			
ACAD 1340 Freshman Seminar			

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>	<b>MAJOR IN EXERCISE SCIENCE AND HUMAN PERFORMANCE (7 hours will meet general education requirements)</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>	KINE 2330 Foundations of Exercise Science KINE 3245 Writing Using APA Style KINE 3300 Statistics, Measurement & Evaluation in ES KINE 3307 Nutrition for the Health Sciences KINE 4220 Lab Testing in Exercise Science BIOL 2401 Anatomy & Physiology I (meets Gen Ed) PSYC 1340 General Psychology (meets Gen Ed)
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>	
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)		
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>	<b>SUB-TOTAL</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)		[Select 40-41 hrs from]
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>	KINE 2261 Assessment of Athletic Injuries KINE 2335 Accident Prevention, Care of Injuries KINE 3302 Intro to Motor Learning KINE 3310 Exercise Prescription KINE 3321 Anatomical Kinesiology KINE 3325 Biomechanical Kinesiology KINE 3330 Adapted Physical Activity & Sport KINE 3360 Responding to Emergencies KINE 3370 Principles of Rehabilitation KINE 4100 Applied Pharmacology KINE 4345 Experimental Research in Exercise Science KINE 4350 Manual Therapy KINE 4320 Physiology of Exercise KINE 4325 Risk Management in Exercise Science BIMS 2105 Medical Terminology I BIMS 3205 Medical Terminology II BIMS 3430 Human Physiology BIOL 2402 Anatomy & Physiology II CHEM 1410 General Chemistry I CHEM 1420 General Chemistry II PHYS 1410 General Physics I PHYS 1420 General Physics II PREP 2105 Seminar in Health Professions I PREP 2106 Seminar in Health Professions II
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>	
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>	<b>[Select 6 hrs from]</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>	PSYC 2360 Developmental Psychology PSYC 2370 Social Psychology PSYC 3382 Positive Psychology & Mental Health PSYC 4341 Physiological Psychology I PSYC 4300 Abnormal Psychology
<b>BUSINESS</b> ECON 2310, 2320		
<b>COMPUTER SCIENCE</b> COSC 1306, 1322		
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330		
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210		
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420		
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350		
<b>PSYCHOLOGY</b> PSYC 1340, 2360		
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370		
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310		
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310		
<b>TOTAL HOURS</b>	<b>39-41</b>	<b>TOTAL HOURS</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**FOR STUDENTS INTERESTED IN PRE-PHYSICAL THERAPY –  
THE FOLLOWING COURSES ARE SUGGESTED**

KINE 3302	Intro to Motor Learning
KINE 3321	Anatomical Kinesiology
KINE 3325	Biomechanical Kinesiology
KINE 4320	Physiology of Exercise
KINE 4388	Internship
KINE 4345	Experimental Research and Writing in Exercise Science
BIMS 2105	Medical Terminology I
BIMS 3205	Medical Terminology II
BIMS 3430	Human Physiology
BIOL 2402	Anatomy & Physiology II
CHEM 1410	General Chemistry I
CHEM 1420	General Chemistry II
PHYS 1410	General Physics I
PHYS 1420	General Physics II
PSYC 4300	Abnormal Psychology
PSYC 4341	Physiological Psychology

**FOR STUDENTS INTERESTED IN PRE-OCCUPATIONAL  
THERAPY – THE FOLLOWING COURSES ARE SUGGESTED**

KINE 3302	Intro to Motor Learning
KINE 3321	Anatomical Kinesiology
KINE 3325	Biomechanical Kinesiology
KINE 4345	Experimental Research and Writing in Exercise Science
KINE 4320	Physiology of Exercise
KINE 4388	Internship

**11 hours elective KINE courses**

BIMS 2105	Medical Terminology I
BIMS 3205	Medical Terminology II
BIMS 3430	Human Physiology
BIOL 2402	Anatomy & Physiology II
PHYS 1410	General Physics I
PSYC 2360	Developmental Psychology
PSYC 4341	Physiological Psychology I

**FOR STUDENTS INTERESTED IN PRE-ATHLETIC TRAINING –  
THE FOLLOWING COURSES ARE SUGGESTED**

KINE 2261	Assessment of Athletic Injuries
KINE 2335	Accident Prevention, Care of Injuries
KINE 3180	Athletic Training Practicum (take 4 times)
KINE 3302	Intro to Motor Learning
KINE 3321	Anatomical Kinesiology
KINE 3325	Biomechanical Kinesiology
KINE 3360	Responding to Emergencies
KINE 3370	Principles of Rehabilitation
KINE 4100	Applied Pharmacology
KINE 4320	Physiology of Exercise
KINE 4325	Risk Management in Exercise Science
KINE 4350	Manual Therapy
BIMS 2105	Medical Terminology I
BIMS 3205	Medical Terminology II
BIOL 2402	Anatomy & Physiology II
CHEM 1410	General Chemistry I
PSYC 2370	Social Psychology
PSYC 3382	Positive Psychology and Mental Health

**KINESIOLOGY DEPARTMENT MINORS****MINOR IN KINESIOLOGY**

(Not available for ESHP and ALL Level Physical Education majors)

<b>COURSE</b>	<b>HOURS</b>
KINE 2330	<b>3</b>
[Select 12 hrs from] KINE 2261, 3300, 3307, 3310, 3320, 3325, 3330, 3331, 3340, 3341, 3350, 3360, 3365, 4315, 4388	<b>12</b>
[Select 1 hrs from each of the following 3 groups] HFIT 1120-1129 HFIT 1130-1139 HFIT 1140-1149	<b>1</b> <b>1</b> <b>1</b>
<b>TOTAL HOURS</b>	<b>18</b>

**MINOR IN ADMINISTRATION OF COACHING**

(Not available for ESHP and ALL Level Physical Education majors)

<b>COURSE</b>	<b>HOURS</b>
KINE 3100	<b>1</b>
[Select 13 hrs from] KINE 2261 KINE 2335 KINE 3245 KINE 3307 KINE 3310 KINE 3320 KINE 3325 KINE 3330 KINE 3331 KINE 3360 KINE 3365 KINE 4315 KINE 4325 KINE 4330 KINE 4388	<b>13</b>
[Select 4 hrs from] KINE 2211, 2212, 2213, 2214	<b>4</b>
<b>TOTAL HOURS</b>	<b>18</b>

# DEPARTMENT OF MATHEMATICS

Associate Professor: Flores, Department Chair

Professor: Martin

Associate Professors: McCoun, Thornburg

Instructors: Alvarez, Bein, Dita, 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). Developmental courses begin with a 1, have a 0 as the second digit and a designator of "D" at the end of the course number. These courses are not college level and do not count towards hours used for graduation. They are calculated in the GPA and are used for semester creditload.

## 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 1013D	Introductory Algebra
MATH 1023D	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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN MATHEMATICS</b> (3-7 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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	9
*Maximum of 3 hours from special topics	
<b>SUB-TOTAL HOURS</b>	<b>37</b>
<b>SUPPORTING COURSES</b> A grade of "C-" or higher is required in all supporting courses	
[Select 3 hrs from] COSC 1306, 1325	3
<b>TOTAL HOURS</b>	<b>40</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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## Mathematics

### 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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MAJOR IN MATHEMATICS (GRADES 4-8)	
COURSE	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
<b>TOTAL HOURS</b>	<b>34</b>

MINOR IN CURRICULUM AND INSTRUCTION (GRADES 4-8)	
COURSE	HOURS
CURR 2110	1
READ 3332	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4322	3
CURR 4323	3
CURR 4123	1
CURR 4198	1
CURR 4603	6
<b>TOTAL HOURS</b>	<b>24</b>

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 2006.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT
ACAD 1340 Freshman Seminar

**BACHELOR OF SCIENCE – MATHEMATICS GRADES 7-12****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 developmental courses. A minimum of 39 credit hours must be advanced level.

♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN MATHEMATICS</b> (GRADES 8-12) (3-11 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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
<b>SUB-TOTAL HOURS</b>	<b>40</b>
<b>SUPPORTING COURSES</b> A grade of "C-" or higher is required in all supporting courses	
[Select 3 hrs from] COSC 1306, 1325	3
PHYS 1410	4
<b>TOTAL HOURS</b>	<b>47</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION</b> (GRADES 7-12)	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**MATHEMATICS DEPARTMENT MINORS**

<b>MINOR IN MATHEMATICS</b>	
(Not available for Math majors)	
<b>COURSE</b>	<b>HOURS</b>
MATH 2421	<b>4</b>
MATH 2322	<b>3</b>
MATH 2340	<b>3</b>
[Select 3 hrs from] MATH 3301, 3341	<b>3</b>
[Select 6 hrs from] MATH electives (a minimum of 3 hrs must be advanced)	<b>6</b>
<b>TOTAL HOURS</b>	<b>19</b>

# DEPARTMENT OF MUSIC

Associate Professor: Wallis, Department Chair

Associate Professor: Wilson

Assistant Professor: Amlung

Visiting Assistant Professors: Druffell, Mendoza

## 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.

- 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.
- 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.
- 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 clinical teaching)

- Applied Lessons.** All Music majors must be enrolled in their specific applied instrument each semester until completion of their recital requirement.
- 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.)
- 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.
- 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.
- 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.
- 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.
- 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

## **Music**

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

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 2001	Junior Recital
MUSI 4000	Senior Recital

### **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

**BACHELOR OF ARTS – MUSIC****A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN MUSIC</b>	
<b>COURSE</b>	<b>HOURS</b>
MUTH 1330 - MUTH 1130	<b>4</b>
MUTH 1340 - MUTH 1140	<b>4</b>
MUTH 3330 - MUTH 3130	<b>4</b>
MUTH 3340 - MUTH 3140	<b>4</b>
MULH 2380	<b>3</b>
MULH 3375	<b>3</b>
MULH 3380	<b>3</b>
MUAP 1113	<b>1</b>
MUAP 1114	<b>1</b>
MUAP 1115	<b>1</b>
MUAP 1116	<b>1</b>
MUSI 1000 - Recital Attendance (Enroll for 8 Semesters)	<b>0</b>
MUSI 2000 - Applied Proficiency	<b>0</b>
MUSI 2001 - Keyboard Proficiency	<b>0</b>
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>	<b>8</b>
Principal Instrument (Enroll for 8 Semesters) <i>(Must include 4 advanced semesters)</i> <i>It may be necessary, as determined by the Music department, for BA majors to take 8-16 hours of applied principal instrument.</i>	<b>8</b>
MUSI 4000 - Senior Recital	<b>0</b>
<b>TOTAL HOURS</b>	<b>45</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**BACHELOR OF MUSIC EDUCATION – INSTRUMENTAL 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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN INSTRUMENTAL EMPHASIS</b>	
<b>COURSE</b>	<b>HOURS</b>
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 hrs from] (exclude class with major instrument) MUED 3113, 3114, 3115, 3116, 3117, 3118, 3119	5
MUAP 1113, 1114, 1115, 1116	4
MUSI 1000 - Recital Attendance (Enroll for 7 Semesters) MUSI 2000 - Applied Proficiency MUSI 2001 - Keyboard Proficiency	0
Ensembles (Enroll for 7 semesters) It may be necessary, as determined by the Music dept., for BME majors to take 7-14 hours of ensembles.	7
Principal Instrument (Enroll for 7 Semesters) (3 semesters must be advanced) It may be necessary, as determined by the Music dept., for BME majors to take 7-14 hours of applied principal instrument.	8
MUSI 4000 - Senior Recital	0
<b>TOTAL HOURS</b>	<b>69</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION (ALL LEVEL)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN CHORAL EMPHASIS</b>	
<b>COURSE</b>	<b>HOURS</b>
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) [Select 2 hrs] (not previously selected above) MUED 3114, 3115, 3116, 3117, 3118, 3119	3
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)	7
Voice (Enroll for 7 Semesters, 3 semesters must be advanced) <i>It may be necessary, as determined by the Music dept., for BME majors to take 7-14 hours of applied principal instrument.</i>	8
MUSI 4000 - Senior Recital	0
<b>TOTAL HOURS</b>	<b>69</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION (ALL LEVEL)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>	
ACAD 1340	Freshman Seminar

**MUSIC DEPARTMENT MINORS**

<b>MINOR IN MUSIC</b> (Not available for Music majors)	
<b>COURSE</b>	<b>HOURS</b>
MUTH 1330 - MUTH 1130	<b>4</b>
MUTH 1340 - MUTH 1140	<b>4</b>
MULH 2380	<b>3</b>
[Select 6 hrs from] Advanced Electives	<b>6</b>
Principal Instrument (4 semesters)	<b>4</b>
Ensemble (2 semesters)	<b>2</b>
MUSI 1000 - Recital Attendance (minimum of 4 semesters)	<b>0</b>
<b>TOTAL HOURS</b>	<b>23</b>

# PATTY HANKS SHELTON 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

Patty Hanks Shelton School of Nursing is a part of a consortium which provides collegiate nursing education in Texas. Through the Patty Hanks Shelton School of Nursing, McMurry University offers the Bachelor of Science in Nursing degree.

## **Dean**

*Dr. Donalyn J. Alexander*

## **Faculty**

*Professor: Garland  
Associate Professor: Alexander  
Assistant Professors: Cooper, Holley, Kapaale, Miller, Woehl  
Instructors: Fry, McCullough, Scherwitz, Schwartz, Wade*

## **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**

Patty Hanks Shelton School of Nursing prepares graduates of the nursing program to function as entry level practitioners and change agents in the delivery of a broad spectrum of health services required by society. Baccalaureate education also provides the foundation skills and knowledge required for graduate education. The educational experiences are designed to assist students to develop an understanding of the nursing role in today's complex health care environment.

**Program Outcomes:** Upon completion of this program the graduate will be prepared to:

1. Apply the nursing process utilizing evidence-based practice and critical thinking to deliver competent, holistic, ethno-culturally sensitive, and ethical care to clients across the life span in a global society.
2. Demonstrate integrity, responsibility and accountability to clients, other health care workers and the profession of nursing in political, legal and ethical situations.
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. Combine research findings, patient care technologies and community resources to promote client health and wellness across the life-span.
6. Demonstrate accountability for practice behaviors, action and responsibility for life-long personal, moral, ethical, spiritual, religious and professional development.

## **Approvals and Accreditation**

The School of Nursing is approved by the Texas Board of Nursing. Graduates from the program are eligible to sit for the National Council State Boards of Nursing exams (NCLEX-RN) for licensure as a Registered Nurse. This is contingent upon meeting all other Texas Board of Nursing requirements (refer to board rule 217.3 or visit <http://www.bon.state.tx.us/exam-eligibility.asp> for more information).

The baccalaureate degree program in nursing at Patty Hanks Shelton School of Nursing is accredited by the Commission on Collegiate Nursing Education. (<http://www.ccneaccreditation.org/>)

## **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 chemistry and biology; mathematics; social and behavioral sciences; and 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. However, acceptance into the lower-division courses does not guarantee that students will be selected for enrollment in the 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. To ensure a thorough and objective review of each applicant, the School of Nursing utilizes a point system to assess a pre-nursing student's readiness for the BSN program. The admission point system is comprised of all the admission requirements – the cumulative GPA, general education requirement completion, science grades, HESI A2 Nursing Entrance Exam scores, and professional references. To be competitive, a student must achieve a minimum of 75% of the total possible points earned.

<b>Criteria</b>	<b>Percentage of Total</b>	<b>Points Possible</b>
Applicant History	5%	4
Pre-requisite Science Course Grades	34%	27
HESI Exam Scores	31%	25
Cumulative GPA	30%	24
<b>TOTALS</b>	<b>100%</b>	<b>80 Points</b>

2. Students are required to take the HESI A2 Nursing Entrance Exam. A minimum HESI A2 cumulative score of 75% is required. Additionally, a minimum score of 75% is recommended on each science section (Biology, Chemistry, Microbiology, and Anatomy & Physiology) to be competitive. Three attempts will be permitted. If the HESI A2 is repeated to improve scores, the highest score in each section will be considered for admission. HESI A2 scores are considered valid by PHSSN for two admission cycles (fall & spring or spring & summer or summer & fall). Therefore, the HESI A2 should not be attempted earlier than two academic semesters prior to the desired entry semester.
3. Students are required to submit two professional recommendation letters.
4. All general education requirements and courses towards a minor must be completed prior to enrollment in the nursing program.
5. Anatomy & Physiology I, Anatomy & Physiology II, Microbiology, and Chemistry must be less than five years old. Exception will be granted

## Nursing

- only to currently practicing LVNs with a valid license. The courses may only be repeated once unless previous attempts are more than five years old and therefore may not be accepted toward the BSN general education requirements.
6. Students must complete the required Anatomy & Physiology, and Microbiology courses with a grade of at least 'B' before admission to PHSSN.
  7. Students must apply for admission to the School of Nursing. Contact the school of nursing for specific deadlines.
- For evaluation of requirements for admission to PHSSN, contact the Patty Hanks Shelton School of Nursing:**  
Phone: (325) 671-2399  
Fax: (325) 671-2386  
info@phssn.edu
8. An offer of conditional admission with stipulations may be extended on a case by case basis

### PHSSN Nursing Program Policies

1. Once accepted, students must submit evidence of physical examination, and immunizations, which is consistent with meeting the objectives requirements of the program. Contact the school of nursing for the most current list of required immunizations.
2. All students must submit to a criminal background check through a designated agency.
3. All students are required to attend orientation at the beginning of each fall/spring semester. Students who have any physical or learning disability (i.e. ADD, ADHD) must provide official written medical documentation of the disability and information attesting to his/her ability to meet the requirements of the program. Parent institution guidelines must be followed.
4. The applicant/student must meet the essential functions of a nurse with reasonable accommodations throughout the program of learning.
5. Throughout the program, students must maintain a level of mental and physical health consistent with meeting the objectives of the curriculum. If a student presents with a mental and/or physical health condition that may affect their ability to perform the essential functions of nursing, they must provide a doctor's note clearly stating their ability to safely perform the essential functions of nursing.
6. Students accepted into the PHSSN are responsible for providing their own transportation to class and all clinical facilities.
7. 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.
8. Students must successfully complete all nursing courses (with a minimum grade of 'C') in sequential order in each level before progression to the next level in the nursing curriculum. Pathophysiology must also be completed with a minimum grade of 'B' to progress in the nursing curriculum.
9. Applicants seeking admission by transfer must meet all published standards.
10. If the student's performance is unsatisfactory in the clinical setting, the faculty may recommend immediate dismissal to the Dean.
11. 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 is required. (National Safety Council, Heart Saver, & Heart Saver Plus are not acceptable).
12. Professional liability insurance is required of each student. This insurance is included in the student's tuition and fees.
13. 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 student fee.
14. BSN nursing students are required to take standardized diagnostic program examinations each semester. The cost will be included in the student's tuition and fees.

15. 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. Competency is demonstrated through successful scoring on the identified standardized exit exam. Successful scoring on this examination is a portion of the course requirements for the course NURS 4453.
16. A student planning to withdraw, or request a leave of absence from the program is required to:
  - Meet with their faculty advisor to discuss his/her need to withdraw from the nursing program
  - Submit the PHSSN Withdrawal Form addressing the reasons for withdrawing/leave of absence from the nursing program
  - Complete required parent university forms/documentation, with appropriate faculty/advisor signatures.

Withdrawal from the parent university is considered withdrawal from the School of Nursing.

- A student who fails to follow the prescribed procedure will not be issued letter(s) of recommendation or good standing by the School of Nursing.
17. Students may reference the PHSSN Student Handbook for further processes and policies.

### Degree Requirements-Lower-Division Courses

#### SUGGESTED COURSE SEQUENCE

**NOTE: THE COURSE SEQUENCE BELOW IS SUGGESTED FOR A FOUR YEAR PROGRESSION THROUGH THE PROGRAM. FAILURE TO FOLLOW SUGGESTED COURSE SEQUENCE MAY RESULT IN DELAYED ENTRY INTO THE BSN PROGRAM. AS PER PHSSN STUDENT HANDBOOK, "STUDENTS MUST COMPLETE THE ENTIRE NURSING CURRICULUM WITHIN THREE YEARS FROM THE DATE OF FIRST ADMISSION TO THE SCHOOL OF NURSING."**

#### FRESHMAN YEAR

<b>Fall Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
CHEM 1405*	Survey of General & Organic Chemistry with Lab	4
COMM 1310	Principles of Communication	3
MATH 1311*	College Algebra	3
ENGL 1310	Composition & Rhetoric	3
EXPL	Exploration Gen Ed course	<u>2-3</u>
<b>Total Credit Hours</b>		<b>15-16</b>

<b>Spring Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
FINE ARTS	Fine Arts Requirement	3
ENGL 1320	Composition & Literature	3
BIOL 3403**	Foundations of Microbiology	4
SOCI 1310*	Introduction to Sociology	3
EXPL	Exploration Gen Ed course	<u>3</u>
<b>Total Credit Hours</b>		<b>16</b>

#### SOPHOMORE YEAR

<b>Fall Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
BIOL 2401**	Anatomy and Physiology I	4
PSYC 1340*	Introduction to Psychology	3
MATH 1000+	Statistics	3
RELI	Religion 1330, 2330, or 2340	<u>3</u>
<b>Total Credit Hours</b>		<b>13</b>

<b>Spring Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
BIOL 2402**	Anatomy & Physiology II	4
PSYC 2360*	Developmental Psychology	3
EXPL	Exploration Gen Ed course	3
EXPL	Exploration Gen Ed course	<u>3</u>
<b>Total Credit Hours</b>		<b>13</b>

**\*NURSING SUPPORTING/PREREQUISITE COURSES REQUIRING A MINIMUM GRADE OF "C-"****\*\*NURSING SUPPORTING/PREREQUISITE COURSES REQUIRING A MINIMUM GRADE OF "B-"****Baccalaureate Degree Courses**

**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.

**SOPHOMORE YEAR (NURS)**

<b>Summer Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
2301	Introduction to Nursing Skills	3
3410	Pathophysiology	4
3334	Dimensions of Nursing	3
	<b>Total Credit Hours</b>	<b>10</b>

**JUNIOR YEAR (NURS)**

<b>Fall Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
3421	Health Assessment	4
3622	NP I: Fundamentals of Nursing	6
3323	Pharmacology	3
	<b>Total Credit Hours</b>	<b>13</b>

**Spring Sem**

<b>Spring Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
3836	NP II: Nurs. Care of the CB & CR Family	8
3335	Mental Health Nursing	3
437X	Nursing elective	3
	<b>Total Credit Hours</b>	<b>14</b>

**SENIOR YEAR (NURS)**

<b>Fall Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
4846	NP III: Medical-Surgical Nursing	8
4343	Nursing Theories and Research	3
4335	Community Nursing	3
	<b>Total Credit Hours</b>	<b>14</b>

**SENIOR YEAR**

<b>Spring Sem</b>	<b>Course</b>	<b>Credit Hrs</b>
4651	NP IV: Critical Care Nursing	6
4352	Leadership and Management	3
4453	Professional Nursing Practicum	4
	<b>Total Credit Hours</b>	<b>13</b>

**RN-BSN 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 this criteria. 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 to BSN Program.

**APPLICATION PROCESS:**

To make application the student must be admitted and have completed 46 semester hours of nursing prerequisites.

Applicants must make personal contact with the School of Nursing when they begin the application process. 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.

Full admission is granted to applicants who have met all admissions requirements in the judgment of the Admissions and Progression Committee, composed of PHSSN faculty. Applicants will be reviewed holistically and exclusively. No one factor will determine a student's admission. The following is required of applicants for the Bachelor of Science in Nursing RN-BSN Program:

1. Current, active RN unencumbered license in good standing – no restrictions;
2. Minimum cumulative GPA of 2.5 for admission consideration. All calculated grades from schools attended are admission grade point average;
3. Prerequisite course work completed with a grade of "C" or better, prior to the beginning of this program. Five-year age limit for sciences does not apply.
4. Students must successfully complete all nursing courses (with a grade of 'C' or better) in sequential order in each level before progression to the next level in the curriculum.
5. 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 the admission offer.

All applicants must provide documentation of the following prior to enrollment:

1. Professional liability insurance
  2. Completion of a current physical
  3. Proof of health insurance
  4. Compliance with the CDC program mandated immunizations for health care workers (Refer to the CDC website: (<http://www.cdc.gov/vaccines/specgrps/hcw.htm>)
- ◆ For transcript evaluation of Nursing course work contact Patty Hanks Shelton School of Nursing (325) 671-2399
- ◆ Applications submitted through the 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](http://nursingcas.org)

**NOTE: Students attending McMurry must fulfill the general education requirements set forth for the traditional BSN student.**

**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

## **Nursing**

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

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311*	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 2401** <i>Prerequisite for NURS</i>	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340* <i>Prerequisite for NURS</i>	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310* <i>Prerequisite for NURS</i>	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN NURSING</b>	
<b>COURSE</b>	<b>HOURS</b>
<b>NURSING SUPPORTING &amp; PREREQUISITE COURSES</b>	
BIOL 2401** (Counted in General Education)	4
BIOL 2402**	4
BIOL 3403**	4
CHEM 1407*	4
MATH 3351*	3
SOCI 1310* (Counted in General Education)	3
PSYC 1340* (Counted in General Education)	3
PSYC 2360*	3
<b>SUPPORTING &amp; PREREQUISITE HOURS</b>	<b>28</b>
<b>NURSING MAJOR COURSES</b>	
<i>Admission to the School of Nursing is mandatory for enrollment in the following NURS courses. Requirements for admission are specified in the Nursing Department section of the catalog.</i>	
<b>1ST SEMESTER OF NURSING SCHOOL</b>	
NURS 2301	3
NURS 3324 (Online course)	3
NURS 3410**	4
General Education course or general elective (only if needed)	2
<i>Work Closely with advisor for this determination</i>	
<b>2ND SEMESTER OF NURSING SCHOOL</b>	
NURS 3421	4
NURS 3622	6
NURS 3323	3
<b>3RD SEMESTER OF NURSING SCHOOL</b>	
NURS 3836	8
NURS 3335	3
NURS Upper Level Elective	3
<b>4TH SEMESTER OF NURSING SCHOOL</b>	
NURS 4846	8
NURS 4343	3
NURS 4335	3
<b>5TH SEMESTER OF NURSING SCHOOL</b>	
NURS 4651	6
NURS 4352	3
NURS 4453	4
<b>TOTAL NURSING HOURS</b>	<b>64</b>
<b>TOTAL HOURS</b>	<b>79</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340 Freshman Seminar

**\*\*PLEASE NOTE**

\*\*Grade of "B-" or higher is required for this course.

**\*PLEASE NOTE**

\*Grade of "C-" or higher is required for this course.

**BACHELOR OF SCIENCE IN NURSING (RN-BSN)**

This degree plan is ONLY for those currently licensed to practice nursing as a Registered Nurse (RN) and are seeking to complete a Bachelor of Science in Nursing (BSN) degree. Students who are not licensed as an RN should refer to the BSN degree plan chart in the catalog.

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

- ♦ All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311*	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 2401** <b>Prerequisite for NURS</b>	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340* <b>Prerequisite for NURS</b>	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310* <b>Prerequisite for NURS</b>	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN NURSING (RN-BSN)</b>	
<b>COURSE</b>	<b>HOURS</b>
<b>NURSING SUPPORTING COURSES</b>	
BIOL 2401** (Counted in General Education)	<b>4</b>
BIOL 2402**	<b>4</b>
BIOL 3403**	<b>4</b>
CHEM 1407*	<b>4</b>
MATH 3351*	<b>3</b>
SOCI 1310* (Counted in General Education)	<b>3</b>
PSYC 1340* (Counted in General Education)	<b>3</b>
PSYC 2360*	<b>3</b>
<b>SUPPORTING COURSE HOURS</b>	<b>28</b>
<b>NURSING MAJOR COURSES</b>	
<b>NURSING SKILLS VALIDATION:</b> Basic nursing skills validated upon successful completion of Transitions course as well as successful mobility exam completion.	<b>43</b>
NURS 4360 Nursing Transitions	<b>3</b>
NURS 4343 Nursing Theories & Research	<b>3</b>
NURS 4352 Leadership and Management	<b>3</b>
NURS 4364 Health Behaviors	<b>3</b>
NURS 4435 Community and Public Health Nursing	<b>4</b>
NURS 4368 Care of Vulnerable Populations	<b>3</b>
<b>TOTAL NURSING MAJOR HOURS</b>	<b>62</b>
<b>TOTAL HOURS</b>	<b>77</b>

**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 2006.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**\*PLEASE NOTE**

\*Grade of "C-" or higher is required for this course.

**\*\*PLEASE NOTE**

\*\*Grade of "B-" or higher is required for this course.

# DEPARTMENT OF PHYSICS

Professor: Bykov, Department Chair

Professor: Keith

Associate Professor: 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.

## Special Programs and Opportunities:

**Dual Physics-Engineering Degree Program.** McMurry University has joined with the University of North Dakota (UND) in offering a program to allow interested students to simultaneously pursue two bachelor's degrees: one in Physics with Civil/Mechanical Engineering Focus from McMurry University and one ABET-accredited degree in Mechanical Engineering from UND. Typically a student will complete two years of course work at McMurry University and then will apply for admission to UND. In the course of the

next three years the student will continue taking classes from McMurry University as well as distance learning classes from UND. The courses taken at McMurry University will satisfy the general education and pre-requisite courses as well as some upper division Engineering courses for UND. After completion of the fourth year at McMurry University the student is expected to spend one summer session in UND taking laboratory-based classes there. Upon the successful completion of the coursework in both schools, the student will receive two BS degrees. In order to finish this program in five years students should be enrolled in the right courses starting their first semester at McMurry University. Please consult an advisor in the Physics Department for appropriate choice of courses.

## Graduate Study in Engineering

Students with an interest in engineering could also consider the possibility of completing an undergraduate physics degree with pre-engineering focus 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, Texas A&M, University of North Texas and University of South Florida.

## 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.

## **Physics**

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**The Charles and Lisa Bloomer Research Stipend;** is a competitive award providing funding for any major from the Division 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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN PHYSICS</b> (5-12 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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
<b>SUB-TOTAL HOURS</b>	<b>27</b>
<b>Select one Focus Area from the following page.</b>	
<b>SUPPORTING COURSES</b> A grade of "C-" or higher is required in all supporting courses	
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 1306	3
<b>TOTAL HOURS</b>	<b>72</b>

<b>TEACHING FIELDS</b>
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.

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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 2006.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**PHYSICS FOCUS AREAS**

<b>PHYSICS FOCUS</b>	
<b>COURSE</b>	<b>HOURS</b>
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, 4302, 4362, 4312, 4335, 4385 MATH 4331	3
<b>TOTAL HOURS</b>	<b>15</b>

<b>PHYSICS WITH ELECTRICAL ENGINEERING FOCUS</b>	
<b>COURSE</b>	<b>HOURS</b>
PHYS 3350	3
PHYS 4312	3
PHYS 4330	3
PHYS 3352	3
[Select 3 hrs from] PHYS 4360, 4385 MATH 4331	3
<b>TOTAL HOURS</b>	<b>15</b>

<b>PHYSICS WITH CIVIL / MECHANICAL ENGINEERING FOCUS</b>	
<b>COURSE</b>	<b>HOURS</b>
PHYS 2301	3
PHYS 3315	3
PHYS 3325	3
PHYS 4360	3
[Select 3 hrs from] PHYS 3350, 4302, 4330, 4362, 4312, 4335, 4385 MATH 4331	3
<b>TOTAL HOURS</b>	<b>15</b>

**PHYSICS DEPARTMENT MINORS**

<b>MINOR IN PHYSICS</b> (Not available for Physics majors)	
<b>COURSE</b>	<b>HOURS</b>
PHYS 2510	5
PHYS 2520	5
PHYS 3270 <b>OR</b> PHYS 3350	2-3
PHYS 3300	3
[Select 3 hrs from] Advanced PHYS electives	3
<b>TOTAL HOURS</b>	<b>18-19</b>

# DEPARTMENT OF POLITICAL SCIENCE

*Professor: Bertrand, Department Chair*

*Professor: Fabrizio*

*Assistant Professor: Tomen*

**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 7-12**

\*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	Texas Politics: Rural v Urban
POSC 2340	Comparative Politics
POSC 2345	International Relations
POSC 2350	Contemporary Global Issues
POSC 3305	Campaigns and Elections
POSC 3310	Political and Cultural Geography
POSC 334(a-z)	Politics Outside the Box
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	Globalization
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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN POLITICAL SCIENCE</b> (3 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
POSC 1310	<b>3</b>
POSC 2310	<b>3</b>
POSC 2340	<b>3</b>
POSC 2345	<b>3</b>
POSC 3360	<b>3</b>
[Select 9 hrs from] POSC 2000 OR 3000 level	<b>9</b>
[Select 9 hrs from] POSC 4000 level	<b>9</b>
<b>TOTAL HOURS</b>	<b>33</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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## **BACHELOR OF ARTS – SOCIAL STUDIES GRADES 7-12**

**MINORS IN SOCIAL STUDIES AND CURRICULUM AND INSTRUCTION ARE REQUIRED**

- ♦ All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
  - ♦ *This degree plans lists developmental courses that may be required based on test scores.*

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	3
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	6
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN HISTORY</b> <b>(GRADES 7-12) (9 hours may also meet general education requirements)</b>	
<b>COURSE</b>	<b>HOURS</b>
HIST 1310	3
HIST 1320	3
HIST 2310	3
HIST 2320	3
HIST 3377	3
HIST 4380	3
<b>[Select 6 hrs from]</b> HIST 3310, 3315, 3316, 3317, 3320, 3350, 3351, 3352, 3354, 4330, 4345, 4354	6
<b>[Select 6 hrs from]</b> HIST 3314, 3331, 3358, 3359, 3360, 3363, 3364, 3375, 432(a-d), 4360, 4365, 4375	6
<b>[Select 6 hrs from]</b> Advanced U.S. or World History Courses	6
<b>TOTAL HOURS</b>	<b>36</b>

<b>MINOR IN SOCIAL STUDIES</b> <b>(GRADES 7-12) (Not available for Political Science majors)</b>	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>21</b>

<b>MINOR IN CURRICULUM AND INSTRUCTION</b>	
<b>(GRADES 7-12)</b>	
<b>COURSE</b>	<b>HOURS</b>
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

## **FOREIGN LANGUAGE REQUIREMENT**

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

**POLITICAL SCIENCE MINORS**

<b>MINOR IN POLITICAL SCIENCE</b> (Not available for Political Science majors)	
<b>COURSE</b>	<b>HOURS</b>
POSC 1310	3
POSC 2310	3
[Select 6 hrs from] POSC 2340, 2345, 3360	6
[Select 6 hrs from] POSC 3000, 4000 level	6
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN SOCIAL STUDIES</b> (Not available for Political Science majors)	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>21</b>

<b>MINOR IN INTERNATIONAL STUDIES</b> (Not available for Political Science majors or minors) (Courses cannot double count in major(s) or minor(s))	
<b>COURSE</b>	<b>HOURS</b>
POSC 1310	3
[Select 3 hrs from] HIST 1320 SOCI 2320	3
[Select 3 hrs from] POSC 2340, 2345	3
[Select 9 hrs from] 3000, 4000 level courses listed in the Center for Global Leadership section of the catalog	9
<b>TOTAL HOURS</b>	<b>18</b>

# 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-ATHLETIC TRAINING

Advisor: Dr. Janet McMurray

Master's degree programs in Athletic Training are increasing across the United States, including Texas. These programs require a bachelor's degree and prerequisite undergraduate coursework before admission. Usual prerequisite courses include Statistics, Nutrition, Psychology, Exercise Physiology, Biomechanics, and full year sequences of Chemistry, Physics, and Anatomy & Physiology. Additional Biology and other human study courses can be specified by these schools as preferred prerequisites. Obtain detailed guidance from Dr. McMurray or view the Pre-Athletic Training course designations within the Pre-Professional concentration of the Exercise Science and Human Performance major in the Kinesiology Department.

## PRE-ENGINEERING PROGRAM

Students interested in pursuing a degree in Engineering should follow the curriculum of the Physics major with an engineering focus or Chemistry major (if interested in Chemical Engineering). Options include either participating in the dual degree program with University of North Dakota (UND) and working towards two Bachelor's Degrees or completing a degree at McMurry University followed by 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 Austin. 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 TMDSAS web site:

<http://www.utsystem.edu/tmdsas/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 TMDSAS web site:

<http://www.utsystem.edu/tmdsas/>

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>

### **Pre-Occupational Therapy**

Advisor: Dr. Paul Smith

Masters' and Doctoral degree programs in Pre-Occupational Therapy are increasing across the United States, including Texas. These programs require a bachelor's degree and prerequisite undergraduate coursework before admission. Usual prerequisite courses include Statistics, Psychology, Speech, and full year sequences of Biology, Chemistry, and Physics. However, preferred preparation for these graduate programs can vary in Biology, Chemistry, and other human study courses. Obtain detailed guidance from Dr. Smith or view the Pre-Occupational Therapy course designations within the Pre-Professional concentration of the Exercise Science and Human Performance major in the Kinesiology Department.

### **Pre-Pharmacy**

Advisor: Dr. Paul Pyenta

McMurry provides courses that prepare students to enroll in schools of pharmacy. Pharmacy schools typically offer a Doctor of Pharmacy "Pharm-D" degree for individuals wishing to become a pharmacist, and/or a Doctor of Pharmaceutical Sciences degree intended for students wishing to pursue pharmaceutical research as a scientist. Schools expect incoming students to have a Bachelor of Science degree in biochemistry, chemistry, BIMS, or other science field. Additionally, pharmacy schools typically require select prerequisite courses, a minimum PCAT score, and a minimum GPA. McMurry also has an early-entry articulation agreement with Texas Tech School of Pharmacy. Exact course requirements for program admittance vary, thus students are advised to check with specific schools of pharmacy. Pre-pharmacy students should consult with the McMurry pre-pharmacy advisor for more information and individual advising.

### **Pre-Physical Therapy**

Advisor: Dr. Paul Smith, Dr. Larry Sharp

There are numerous Master's and Doctoral programs offered across the United States, including Texas. These programs require a bachelor's degree and prerequisite undergraduate coursework before admission. Usual prerequisite courses include Statistics, Psychology, Speech, and full year sequences of Biology, Chemistry, and Physics. Additional Biology and other human study courses can be specified as preferred preparation for these schools. Obtain detailed guidance from either advisor or by viewing the Biology and Kinesiology Department pages. Pre-Physical Therapy course designations are displayed for the Pre-Professional concentration of the Exercise Science and Human Performance major. Both departments have articulation agreements fulfilling all admission requirements for Hardin-Simmons DPT program admission.

### **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. Paul Fabrizio

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

Professor: Schneller, Department Chair

Associate Professors: Dawson, Kosheleva

Assistant Professor: 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 in Psychology whenever they take the Senior Seminar in Psychology. This test is 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 4X88 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 2370	Social Psychology
PSYC 3301	Principles of Learning
PSYC 3305	Research Methods and Statistics I
PSYC 3306	Research Methods and Statistics II
PSYC 3310	Psychology of Language
PSYC 3320	Personality Psychology
PSYC 3328	Parenting
PSYC 3330	Multicultural Psychology
PSYC 3335	Healthy Relationships
PSYC 3345	Sleep & Dreams
PSYC 3350	Psychology and Christianity Seminar
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 4325	Cognitive Psychology
PSYC 4328	Marriage and Family Therapy
PSYC 4330	History and Systems of Psychology
PSYC 4341	Physiological Psychology I
PSYC 4345	Physiological Psychology II
PSYC 4370	Industrial and Organizational Psychology
PSYC 4375	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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN PSYCHOLOGY</b> (3 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
PSYC 1340 General Psychology	<b>3</b>
PSYC 2360 Developmental Psychology	<b>3</b>
PSYC 2370 Social Psychology	<b>3</b>
PSYC 3301 Principles of Learning	<b>3</b>
PSYC 3305 Research Methods & Statistics I	<b>3</b>
PSYC 3306 Research Methods & Statistics II	<b>3</b>
PSYC 3320 Personality Psychology	<b>3</b>
PSYC 4300 Abnormal Psychology	<b>3</b>
PSYC 4325 Cognitive Psychology	<b>3</b>
PSYC 4341 Physiological Psychology	<b>3</b>
PSYC 4392 Senior Seminar in Psychology	<b>3</b>
<b>HOURS IN PSYC CORE</b>	<b>33</b>
Select one Concentration from the following page	<b>12-13</b>
<b>TOTAL HOURS</b>	<b>45-46</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**PSYCHOLOGY MAJOR CONCENTRATIONS**

<b>GENERAL PSYCHOLOGY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
[Select 12 hrs from] Psychology courses for which you have met the prerequisite	<b>12</b>
<b>TOTAL HOURS</b>	<b>12</b>

<b>NEUROCOGNITIVE PSYCHOLOGY CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
PSYC 4345 Physiological Psychology	<b>3</b>
BIOL 2401 Anatomy & Physiology I	<b>4</b>
[Select 6 hrs from] PSYC 3390 Psychopharmacology PSYC 3345 Sleep & Dreams PSYC 4315 Physiological Tests & Measures PSYC 3310 Psychology of Language	<b>6</b>
<b>TOTAL HOURS</b>	<b>13</b>

<b>COUNSELING &amp; HUMAN DEVELOPMENT CONCENTRATION</b>	
<b>COURSE</b>	<b>HOURS</b>
PSYC 4375 Counseling Psychology	<b>3</b>
PSYC 3335 Healthy Relationships	<b>3</b>
[Select 6 hrs from] PSYC 3328 Parenting PSYC 4328 Marriage & Family Therapy PSYC 3382 Positive Psychology PSYC 3385 Gerontology PSYC 4315 Physiological Tests & Measures	<b>6</b>
<b>TOTAL HOURS</b>	<b>12</b>

## PSYCHOLOGY DEPARTMENT MINORS

<b>MINOR IN PSYCHOLOGY</b> (For non-Psychology majors)	
<b>COURSE</b>	<b>HOURS</b>
PSYC 1340	<b>3</b>
[Select 9 hrs from] PSYC 2360, 2370, 3301, 3320, 4300, 4341, 4375	<b>9</b>
[Select 6 hrs from] PSYC Electives	<b>6</b>
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN NEUROCOGNITIVE PSYCHOLOGY</b> (For non-Psychology majors)	
<b>COURSE</b>	<b>HOURS</b>
PSYC 1340 General Psychology	<b>3</b>
BIOL 2401 Anatomy & Physiology I	<b>4</b>
PSYC 4341 Physiological Psychology I	<b>3</b>
PSYC 4345 Physiological Psychology II	<b>3</b>
[Select 6 hrs from] PSYC 3301 Principles of Learning PSYC 3310 Psychology of Language PSYC 3345 Sleep & Dreams PSYC 3390 Psychopharmacology PSYC 4300 Abnormal Psychology PSYC 4315 Physiological Tests & Measures PSYC 4325 Cognitive Psychology	<b>6</b>
<b>TOTAL HOURS</b>	<b>19</b>

# DEPARTMENT OF RELIGION AND PHILOSOPHY

*Professor: Stewart, Department Chair*

*Professors: Kinlaw, LeMasters, Miller, Waters*

**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	Freedom and Responsibility
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 334(a-k)	Advanced Biblical Studies
RELI 336(a-k)	Advanced Church History Topics
RELI 3335	Introduction to Hospital Ministry
RELI 3340	Pastoral Care and Counseling
RELI 3345	Global Christianity
RELI 3390	Christianity in Scotland
RELI 4309	Holocaust Through the Eyes of Elie Weisel
RELI 4315	Reformation Theology
RELI 4320	Philosophy of Religion
RELI 4325	Modern Theology
RELI 4330	Sociology of Religion
RELI 4340	Worship and Liturgy
RELI 4355	Interfaith Leadership
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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN RELIGION</b> (3-6 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
RELI 1330	3
RELI 2330	3
RELI 2340	3
RELI 2350	3
RELI 2360	3
RELI 4390	3
PHIL 2350	3
[Select 18 hrs from] Any Advanced RELI and PHIL courses	18
<b>TOTAL HOURS</b>	<b>39</b>

**FOREIGN LANGUAGE REQUIREMENT**

This major requires at least 2 years (or sophomore proficiency) of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**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 developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN CHRISTIAN MINISTRY</b> (3-6 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
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 2330, 2340	3
[Select 6 hrs from] RELI 2350, 3310, 3315, 3320, 3330, 3335, 334a-g, 336a-k, 3345, 4399	6
[Select 3 hrs from] Advanced Religion Electives	3
<b>TOTAL HOURS</b>	<b>33</b>

**FOREIGN LANGUAGE REQUIREMENT**

This major requires at least 2 years (or sophomore proficiency) of a single foreign language at the college level, or demonstration of proficiency by taking a CLEP exam or a foreign language proficiency exam.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340 Freshman Seminar

**RELIGION AND PHILOSOPHY DEPARTMENT MINORS**

<b>MINOR IN CHRISTIAN MINISTRY</b> (Not available for Religion majors)	
<b>COURSE</b>	<b>HOURS</b>
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
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN PHILOSOPHY</b>	
<b>COURSE</b>	<b>HOURS</b>
PHIL 2350	3
RELI 2360	3
[Select 12 hrs from] PHIL Electives (At least 3 hours must be 4000 level)	12
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN ETHICS</b>	
<b>COURSE</b>	<b>HOURS</b>
SRLD 1300	3
PHIL 2350	3
RELI 3320	3
RELI 3330	3
PHIL 3330	3
BUSI 4385	3
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN RELIGION</b> (Not available for Religion majors)	
<b>COURSE</b>	<b>HOURS</b>
RELI 1330	3
RELI 2360	3
[Select 6 hrs from] RELI Electives	6
[Select 6 hrs from] Advanced RELI Electives	6
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN GREEK</b>	
<b>COURSE</b>	<b>HOURS</b>
GREK 2410	4
GREK 2420	4
GREK 3310	3
GREK 3320	3
[Select 4 hrs from] GREK 4X95, XX99	4
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN INTERFAITH STUDIES</b>	
<b>COURSE</b>	<b>HOURS</b>
RELI 1330	3
RELI 2350	3
SRLD 3320	3
RELI 4355	3
[Select 6 hrs from] PHIL 4300, RELI 3345, SOCI 3380, 4330, 4342	6
<b>TOTAL HOURS</b>	<b>18</b>

## Servant Leadership

# SERVANT LEADERSHIP

Instructor: Feltz, Interim 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 1305	Collective Conscience
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
<b>TOTAL HOURS</b>	<b>18</b>

# DEPARTMENT OF SOCIOLOGY AND CRIMINOLOGY

*Professor: Wallace, Department Chair  
Professor: Hollingsworth  
Associate Professor: Sechrist  
Assistant Professor: Patten*

## Mission and Goals:

The Department of Sociology and Criminology combines two disciplines that complement each other. In both areas, the mission is for students to encounter academic content that integrates sociological and criminological theory, research, and practice. The goals of the Department are oriented toward preparing students to:

1. demonstrate critical thinking to address complex and real-world issues;
2. demonstrate effective communication to address complex and real-world issues;
3. demonstrate critical thinking concerning knowledge of the discipline;
4. demonstrate being able to orally communicate on a professional level; and
5. obtain a career-oriented job or gain graduate school admission.

## Special Programs and Opportunities:

**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.

**ASC Membership.** Faculty in the department hold memberships in the American Society of Criminology. The ASC is a professional organization oriented around fostering criminological research and education.

**Southwestern Sociological Association.** The Department is quite active with the regional professional society, Southwestern Sociological Association. Students have attended and presented sociology and criminology papers at the SSA annual conference. Annually the SSA sponsors an undergraduate paper competition.

**ICPSR.** The University is a member of the Inter-University Consortium for Political and Social Research. Through this association, students are granted access to social science datasets. The ICPSR sponsors a paper competition for undergraduate students each year.

**Sociology and Criminology Club.** The McMurry Sociology Club was organized in the fall of 1982. The group renamed, Sociology & Criminology Club, in 2017. The purpose of the Club is to promote the study of society, to enhance the understanding of careers and professionalization, and to encourage fellowship among students interested in sociology and/or criminology.

**Alpha Kappa Delta.** The Phi chapter of Alpha Kappa Delta, an international sociology honor society, was chartered at McMurry in 1990. The objective of AKD 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 for Sociology.** Each spring, awards are presented to distinguished students. The Lawrence Britton Coll Award is given to the outstanding first year student in sociology. The Robert Dean Bouldin Scholarship is awarded 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. Other sociology majors could receive the Esma Morris Cash Scholarship, the Arthur and Andrea Woods Scholarship, or the Morris Baker Award.

**Departmental Awards for Criminology.** Each spring the outstanding student in criminology receives the Edwin Sutherland Award.

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

## Courses Taught in the Sociology and Criminology

### Department:

SOCI 1310	Introduction to Sociology
SOCI 1320	Sociological Investigations
SOCI 2310	World Societies I
SOCI 2320	World Societies II
SOCI 2350	Social Problems
SOCI 3300	Social Research
SOCI 3310	Social Theory
SOCI 3330	Social Stratification
SOCI 3340	Social Psychology
SOCI 3350	Race and Ethnicity
SOCI 3360	Marriage and the Family
SOCI 3362	Aging and Society
SOCI 3370	Gender and Society
SOCI 3380	Native American Spiritual Practices
SOCI 3X86	Social Issues Travel Course
SOCI 4330	Sociology of Religion
SOCI 4342	Power and Religion
SOCI 4392	Seminar in Sociology
SOCI 4X88	Internship in Sociology
SOCI 4X95	Independent Studies
SOCI 4X96H	Honors Tutorial
SOCI 4X97H	Senior Thesis
SOCI XX99	Special Topics

CRIM 1315	Crime and Society
CRIM 2315	Causes of Crime
CRIM 3325	Wrongfully Convicted
CRIM 3335	Juvenile Delinquency
CRIM 3355	Serial Murder Investigations
CRIM 3375	Crimes of the Powerful
CRIM 3385	Crime and Punishment
CRIM 4335	Women and Crime
CRIM 4365	Comparative Criminology
CRIM 4375	Seminar in Criminology
CRIM 4X88	Internship in Criminology
CRIM 4X95	Independent Studies
CRIM 4X96H	Honors Tutorial
CRIM 4X97H	Senior Thesis
CRIM XX99	Special Topics

CRJS 1311	Principles of Criminal Justice
CRJS 1312	Introduction to Law Enforcement
CRJS 1313	Crisis Management
CRJS 1321	Criminal Investigation
CRJS 2311	Criminal Procedure I
CRJS 2321	Criminal Procedure II
CRJS 2361	Diversity in Criminal Justice
CRJS 3312	Principles of Forensic Science
CRJS 3323	Cybercrime
CRJS 3332	Community Policing
CRJS 3333	Terrorism and Counterterrorism
CRJS 3341	Juvenile Justice
CRJS 3342	Principles of Corrections
CRJS 3343	Management of Terrorist Incidents
CRJS 3361	Victimology
CRJS 3381	False Criminal Justice
CRJS 4321	Comparative Justice
CRJS 4341	Serial Killers

## **Sociology & Criminology**

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CRJS 4352	Police Administration
CRJS 4353	Homeland Security Law and Public Policy
CRJS 4361	Elite Crime
CRJS 4391	Ethics in Criminal Justice

**BACHELOR OF ARTS – SOCIOLOGY****A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN SOCIOLOGY</b>	
(3-6 hours may also meet general education requirements)	
<b>COURSE</b>	<b>HOURS</b>
SOCI 1310	3
SOCI 1320	3
SOCI 3300	3
SOCI 3310	3
SOCI 3330	3
SOCI 3350	3
SOCI 3370	3
SOCI 4392	3
[Select 12 hrs from] SOCI Electives, MATH 3351	12
<b>TOTAL HOURS</b>	<b>36</b>

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340	Freshman Seminar
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**BACHELOR OF ARTS – CRIMINOLOGY**
**A MINOR IN SOCIOLOGY IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE IN CRIMINOLOGY, UNLESS A DOUBLE MAJOR IS PURSUED.**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN CRIMINOLOGY</b>	
<b>COURSE</b>	<b>HOURS</b>
CRIM 1315	3
CRIM 2315	3
CRIM 3325	3
CRIM 3375	3
CRIM 4335	3
CRIM 4365	3
CRIM 4375	3
[Select 9 hrs from] CRIM Electives	9
<b>HOURS IN MAJOR</b>	<b>30</b>
<b>MINOR IN SOCIOLOGY</b>	
SOCI 1310	3
SOCI 1320	3
SOCI 3330	3
SOCI 3350	3
SOCI 3370	3
[Select 3 hrs from] SOCI Electives	3
<b>HOURS IN MINOR</b>	<b>18</b>
<b>TOTAL HOURS</b>	<b>48</b>
<b>ELECTIVE HOURS:</b> This major requires up to 34 elective hours to reach the necessary 120 hours for graduation. The number of elective hours varies depending on course selection in general education, transfer courses, etc.	

**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.

**FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT**

ACAD 1340 Freshman Seminar

**BACHELOR OF SCIENCE – CRIMINAL JUSTICE**

THIS DEGREE IS AVAILABLE ONLY TO STUDENTS ADMITTED TO THE McMURRY ONLINE DEGREE PROGRAM.

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

- ♦ All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- ♦ This degree plans lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

MAJOR IN CRIMINAL JUSTICE		
CRJS CORE	HOURS	
CRJS 1311	Principles of Criminal Justice	3
CRJS 2311	Criminal Procedure I	3
CRJS 2321	Criminal Procedure II	3
CRJS 2361	Diversity in Criminal Justice	3
CRJS 3341	Juvenile Justice	3
CRJS 3361	Victimology	3
CRJS 3381	False Criminal Justice	3
CRJS 4341	Serial Killers	3
CRJS 4361	Elite Crime	3
CRJS 4391	Ethics in Criminal Justice	3
<b>HOURS IN CORE</b>	<b>30</b>	
<b>LAW ENFORCEMENT CONCENTRATION</b>		
CRJS 3312	Principles of Forensic Science	3
CRJS 3332	Community Policing	3
CRJS 3342	Principles of Corrections	3
CRJS 4352	Police Administration	3
<b>CRISIS MANAGEMENT CONCENTRATION</b>		
CRJS 1313	Crisis Management	3
CRJS 3333	Terrorism and Counterterrorism	3
CRJS 3343	Management of Terrorist Incidents	3
CRJS 4353	Homeland Security Law and Public Policy	3
<b>HOURS IN CONCENTRATIONS</b>	<b>24</b>	
[Select 6 hrs from] CRJS Electives	<b>6</b>	
[Select 6 hrs from] Advanced CRJS Electives	<b>6</b>	
<b>TOTAL HOURS IN MAJOR</b>	<b>66</b>	
<b>GENERAL ELECTIVE HOURS REQUIRED:</b> (The number of general elective hours varies depending on foreign language hours needed and transfer credits.)	7-15	

**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 2006.

**SOCIOLOGY AND CRIMINOLOGY DEPARTMENT MINORS**

<b>MINOR IN SOCIOLOGY</b> (Not available for Sociology majors)	
<b>COURSE</b>	<b>HOURS</b>
SOCI 1310	3
SOCI 1320	3
SOCI 3330	3
SOCI 3350	3
SOCI 3370	3
[Select 3 hrs from] SOCI Electives	3
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN CRIMINOLOGY</b> (Not available for Criminology majors)	
<b>COURSE</b>	<b>HOURS</b>
CRIM 1315	3
CRIM 2315	3
CRIM 3325	3
CRIM 4375	3
[Select 6 hrs from] CRIM Electives	6
<b>TOTAL HOURS</b>	<b>18</b>

# DEPARTMENT OF SPANISH STUDIES

Associate Professor: Gómez

## **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.

<b>BILINGUAL EDUCATION SUPPLEMENTAL GRADES EC-12</b>	
<b>COURSE</b>	<b>HOURS</b>
SPAN 3301	<b>3</b>
SPAN 3331	<b>3</b>
READ 3334	<b>3</b>
HIST 3375 or SPAN 3336	<b>3</b>
SPAN Spanish Linguistics	<b>3</b>
SPAN 1410	<b>4</b>
SPAN 1420	<b>4</b>
SPAN 2310	<b>3</b>
SPAN 2320	<b>3</b>
<b>TOTAL HOURS</b>	<b>29</b>

## **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 4X95	Independent Studies
SPAN XX99	Special Topics

**SPANISH STUDIES DEPARTMENT MINOR**

<b>MINOR IN SPANISH</b>	
<b>COURSE</b>	<b>HOURS</b>
SPAN 1410, 1420, 2310, 2320, or demonstrate proficiency through competency testing	<b>0-14</b>
SPAN 3301	<b>3</b>
SPAN 3331	<b>3</b>
SPAN 3336	<b>3</b>
<b>TOTAL HOURS</b>	<b>9-23</b>

# DEPARTMENT OF THEATRE

Visiting Instructor: Goff

## 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:

FNAR 2310 Survey of Fine Arts

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 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 3354	Stage Combat
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 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****A MINOR IS REQUIRED FOR THE BACHELOR OF ARTS DEGREE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351  <b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	<b>3</b>
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320  <b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	<b>6</b>
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN THEATRE</b>	
<b>COURSE</b>	<b>HOURS</b>
THRE 2110	<b>1</b>
THRE 2250	<b>2</b>
THRE 2320	<b>3</b>
THRE 2330	<b>3</b>
THRE 2340	<b>3</b>
THRE 3320	<b>3</b>
THRE 3345	<b>3</b>
THRE 3350	<b>3</b>
THRE 3365	<b>3</b>
THRE 4390	<b>3</b>
[Select 12 hrs from] THRE 2350, 3210, 3325, 3330, 3344, 3354, 3370, 4330, 4335, 4363, 4350, MMAP 3310	<b>12</b>
<b>TOTAL HOURS</b>	<b>39</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

## BACHELOR OF ARTS – THEATRE ARTS EDUCATION

### A MINOR IN CURRICULUM AND INSTRUCTION IS REQUIRED FOR THE B.A. DEGREE IN THEATRE ARTS EDUCATION

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plan lists developmental courses that may be required based on test scores.

GENERAL EDUCATION REQUIREMENTS	HOURS
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	3
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	3
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	6
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	3
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	4
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	3
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	17-19
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	39-41

MAJOR IN THEATRE	
COURSE	HOURS
THRE 2330	3
THRE 2110	1
THRE 2250	2
THRE 2340	3
THRE 3320	3
THRE 3345	3
THRE 4390	3
THRE 2350 <b>OR</b> 4350	3
THRE 3344	3
THRE 3350	3
THRE 3365	3
THRE 4365	3
[Select 6 hrs from] THRE 2320, 2350, 3210, 3330, 3354, 3360, 3370, 4330, 4335, 4350, MMAP 3310	6
<b>TOTAL HOURS</b>	<b>39</b>

MINOR IN CURRICULUM AND INSTRUCTION (GRADES EC-12)	
COURSE	HOURS
CURR 2110	1
READ 3342	3
The following CI courses require admission to the Teacher Preparation Program.	
CURR 3301	3
CURR 3302	3
CURR 4324	3
CURR 4325	3
CURR 4125	1
CURR 4198	1
CURR 4602	6
<b>TOTAL HOURS</b>	<b>24</b>

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.

FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT	
ACAD 1340	Freshman Seminar

**BACHELOR OF FINE ARTS – THEATRE****A MINOR IS NOT REQUIRED FOR THE B.F.A DEGREE IN THEATRE**

- All degrees require a minimum of 120 credit hours, excluding developmental courses. A minimum of 39 credit hours must be advanced level.
- This degree plans lists developmental courses that may be required based on test scores.

<b>GENERAL EDUCATION REQUIREMENTS</b>	<b>HOURS</b>
<b>CHRISTIAN TRADITION (3 hrs)</b> [Select 3 hrs from] RELI 1330, 2330, 2340	<b>3</b>
<b>MATHEMATICS (3 hrs)</b> MATH 1311, 1315, 1320, 2421, 3351	<b>3</b>
<b>Prerequisites for this requirement may include:</b> MATH 1013, 1023 (3-6 hrs based on test scores)	
<b>WRITTEN COMMUNICATION (6 hrs)</b> ENGL 1310 & ENGL 1320	<b>6</b>
<b>Prerequisites for this requirement may include:</b> ACAD 1013, 1023, ENGL 1013, 1023, 1041 (3-13 hrs based on test scores)	
<b>ORAL COMMUNICATION (3 hrs)</b> COMM 1310 or COMM 2330	<b>3</b>
<b>NATURAL SCIENCE (4 hrs)</b> [Select 4 hrs from] BIOL 1306 / 1106, 1307/1107, 1401, 2401 CHEM 1400, 1407, 1410 GEOS 1405 PHYS 1401, 1410, 2510	<b>4</b>
<b>FINE ARTS (3 hrs)</b> [Select 3 hrs from] ARTS 1300, 1313 FNAR 2310 MULH 2301 THRE 1300, 2330	<b>3</b>
<b>EXPLORATIONS (17-19 hrs)</b> [Select 6 courses from 6 different departments below]	<b>17-19</b>
<b>BUSINESS</b> ECON 2310, 2320	
<b>COMPUTER SCIENCE</b> COSC 1306, 1322	
<b>HISTORY</b> HIST 1300, 1310, 1320, 2310, 2320, 2330	
<b>KINESIOLOGY &amp; HEALTH FITNESS</b> HFIT 1200, 1210	
<b>MODERN FOREIGN LANGUAGES</b> SPAN 1410, 1420	
<b>POLITICAL SCIENCE</b> POSC 1310, 2310, 2350	
<b>PSYCHOLOGY</b> PSYC 1340, 2360	
<b>RELIGION &amp; PHILOSOPHY</b> PHIL 2350, RELI 2350, 2370	
<b>SERVANT LEADERSHIP</b> SRLD 1300, 1310	
<b>SOCIOLOGY &amp; CRIMINOLOGY</b> SOCI 1310	
<b>TOTAL HOURS</b>	<b>39-41</b>

<b>MAJOR IN THEATRE</b>	
<b>COURSE</b>	<b>HOURS</b>
THRE 2110	<b>1</b>
THRE 2250	<b>2</b>
THRE 2320	<b>3</b>
THRE 2330	<b>3</b>
THRE 2340	<b>3</b>
THRE 2350	<b>3</b>
THRE 3320	<b>3</b>
THRE 3330	<b>3</b>
THRE 3344	<b>3</b>
THRE 3345	<b>3</b>
THRE 3350	<b>3</b>
THRE 3365	<b>3</b>
THRE 4350	<b>3</b>
THRE 4390	<b>3</b>
<b>[Select 15 hrs from]</b> THRE 3210, 3325, 3354, 3360, 3370, 4320, 4330, 4335, 4363, MMAF 3310	<b>15</b>
<b>TOTAL HOURS</b>	<b>54</b>

<b>FOREIGN LANGUAGE REQUIREMENT</b>
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.

<b>FIRST-TIME, FULL-TIME FRESHMAN REQUIREMENT</b>
ACAD 1340 Freshman Seminar

**THEATRE DEPARTMENT MINORS**

<b>MINOR IN THEATRE</b> (Not available for Theatre majors)	
<b>COURSE</b>	<b>HOURS</b>
THRE 2330	<b>3</b>
THRE 2340	<b>3</b>
THRE 2110	<b>1</b>
THRE 3320	<b>3</b>
[Select 8 hrs from] (a minimum of 3 hrs must be advanced) THRE electives, MMAP 3310	<b>8</b>
<b>TOTAL HOURS</b>	<b>18</b>

<b>MINOR IN CREATIVE WRITING</b>	
<b>COURSE</b>	<b>HOURS</b>
PHIL 2350	<b>3</b>
[Select 3 hrs from] THRE 3370, 4320	<b>3</b>
[Select 3 hrs from] ENGL 2* (Any sophomore level literature class)	<b>3</b>
[Select 3 hrs from] ENGL 4375, 4372	<b>3</b>
[Select 6 hrs from] THRE 2330, 4320, 4363 ENGL 4371, 4372, 4374, 4375 PHIL 3330, 4320	<b>6</b>
<b>TOTAL HOURS</b>	<b>18</b>



# GRADUATE STUDIES

*Inquires may be made by calling:  
the Registrar at 325.793.3808.*

*Emails may be directed to:  
gradstudies@mcm.edu*

## University Mission Statement

Shaped by Christian principles, McMurry University challenges students to examine our complex world from multiple perspectives in preparation for lives of leadership, service, and professional success.

## Graduate Studies Mission

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

### DEGREES OFFERED:

Master of Accountancy

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

McMurry University accepts graduate application from domestic and resident aliens. Individual graduate programs may add additional requirements to transcript/degree certification.

# GRADUATE STUDIES

## **Graduate Studies**

A deposit is required for international students who wish to live in the residence hall.

### **Conditional Admission**

Applicants 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, admitted conditionally, 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.

### **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 department. If admission is delayed beyond one semester, a new application must be submitted, along with all required documents.

### **Non-Degree Admission**

An applicant may apply as a non-degree student by completing the non-degree application, which is obtained through the Registrar's office, and submitting all official transcripts. Admission as a non-degree student is not a guarantee of a successful admission, for a later term, into a particular McMurry graduate program or that the credits earned as non-degree will count towards the any McMurry University 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 one (1) semester only, not to exceed nine (9) credit hours. In order to continue taking graduate courses, the student must be admitted to the graduate program 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 noted on the official transcript.

A student cannot graduate while on academic probation.

**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 suspension**

A student on academic probation who fails to raise the cumulative GPA to 3.0 in the allotted time frame 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 noted on the official transcript. A student cannot enroll or graduate while on academic suspension.

**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.**

## **GRADUATE COURSE WORK**

A minimum of 24 credit hours must be earned in resident McMurry courses for the master's degree. 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 University.

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 minimum of 24 credit 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.

# JOHNSON SCHOOL OF BUSINESS

Dean of the Johnson School of Business: Professor Paul Mason

**Offices located at:**

1 McMurry University #398  
 Abilene, Texas 79697  
 Phone: 325-793-3850  
 Email: mason.paul@mcm.edu

**Johnson School of Business Mission Statement**

The Johnson School of Business prepares graduates who are well versed in business principles and particularly adept in technical and communications skills within their major field(s) of study. Christian principles are applied to best prepare students for post-graduate study, effective servant leadership and citizenry, critical analysis of professional and environmental factors, and employment in an increasingly adaptive entrepreneurial and international business environment.

The Mission and Goals of the Johnson 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.

## MASTER OF ACCOUNTANCY

Associate Professor: Clara Richardson, Program Director

Assistant Professor: Tribou

**Purpose/Introduction**

The purpose of the Master of Accountancy program is to enhance the knowledge and skills of post-graduates and working professionals to advance in their careers through completion of their graduate degree, as well as achievement of a CPA designation.

As an accounting professional, the bottom line among prospective employers and clients is your proven proficiency – in technical knowledge, critical thinking ability and communication skills.

A Certified Public Accounting (CPA) license is a well-known and respected business credential. That license, and the person who holds it, are viewed very favorably by future employers and the community. It requires a level of expertise and knowledge that is sought out by employers, both in and outside of public accounting.

**Program Objectives**

1. To build on basic knowledge from undergraduate study in accounting.
2. To promote communication skills so that students can converse effectively in oral and written forms.
3. To advance critical thinking skills amongst the students so that they can efficiently address complex accounting problems.
4. To enhance teamwork skills whereby students are effectively prepared for work in public accounting and the accounting industry.
5. To augment research skills so that students can perform scholarly analysis of accounting issues.
6. To motivate professional responsibility and development skills within the students.
7. To provide students with exposure to CPA exam materials.

**Admission Criteria**

In addition to the general graduate studies entrance requirements, applicants must complete or have completed ACCT 2310, ACCT 3303, ACCT 3311, ACCT 3312, and ACCT 4390 or the equivalent.

**Conditional Admission:** In the last semester of the undergraduate degree, McMurry students may be conditionally admitted if they meet all admission requirements except the undergraduate degree. If admitted, the student may take one or two graduate courses for graduate credit. Full admission will occur upon graduation. Credit cannot be earned for the same course at both the undergraduate and graduate level.

MASTER OF ACCOUNTANCY	
COURSE	HOURS
[Select 9 courses from]	27
ACCT 5310 Topics in Advanced Accounting	
ACCT 5320 Advanced Cost Accounting	
ACCT 5325 Federal Tax Research	
ACCT 5330 Data Analytics and Advance Accounting Information Systems	
ACCT 5335 Internal Auditing	
ACCT 5340 Accounting for Government and Non-Profit Entities	
ACCT 5345 Ethical and Legal Environment of Accounting	
ACCT 5350 Business Law for Accountants	
ACCT 5360 Contemporary Issues in Accounting Theory	
ACCT 5388 Accounting Internship	
ACCT 6325 Advanced Taxation	
ACCT 6335 Advance Techniques in Auditing/Accuracy	
ACCT 6360 Accounting Capstone	3
<b>TOTAL HOURS</b>	<b>30</b>

# PATTY HANKS SHELTON SCHOOL OF NURSING

*Valerie Miller: Graduate Program Chair*

*Offices located at:*

2149 Hickory Street  
Abilene, Texas 79601  
Phone: 325-671-2399  
Fax: 325-671-2386  
Email: [vmiller@phssn.edu](mailto:vmiller@phssn.edu)  
Web: [www.phssn.edu](http://www.phssn.edu)

## **Mission**

The mission of the Patty Hanks Shelton School of Nursing is to develop nurses and other healthcare providers through education enlightened by Christian principles to lead, serve and influence the holistic needs of a complex global society.

## **Purpose/Introduction**

The purpose of the Master of Science in Nursing program is to prepare nurses to assume leadership roles in advanced positions as family nurse practitioners, 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 of Christian universities. We accept 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. Practice advanced nursing roles using the nursing process to deliver advanced, holistic, comprehensive care to individuals and families throughout the life cycle in a variety of settings within a specific population focus i.e. nursing education, advanced clinical practice.
2. Design and implement strategies that incorporate the use of scientific inquiry and theoretical concepts from nursing and related fields to influence healthcare outcomes for individuals, populations, and healthcare systems.
3. Analyze spiritual, cultural, social, legal, ethical, economic, and healthcare policy perspectives that influence the health care delivery system.
4. Lead interprofessional and collaborative teams in developing evidence-based strategies within various health care systems to foster quality improvement and safety in healthcare delivery.

5. Integrate the use of information systems and patient care technologies in the development, implementation, and evaluation of evidence-based practices to support decision making for improving health and patient care delivery to a diverse global society.
6. Demonstrate the highest level of accountability for professional practice, Christian service, and life-long learning.
7. Engage in leadership through advocacy for evidence-based health policy development to improve local, national, and global health population outcomes.

## **Admission Criteria**

In addition to the general graduate study entrance requirements, 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.

Full admission to graduate study in nursing requires meeting the academic standards as listed below and receiving the endorsement of the program director.

## **Academic Standards**

1. Overall undergraduate GPA of 3.0.
2. GPA of 3.0 in all undergraduate course work in nursing.

## **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 Texas Board of Nursing.
2. Minimum of one year of clinical nursing practice preferred.
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. (<http://www.nursingcas.org/>)
5. Interview with program director or faculty.
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 Family Nurse Practitioner students prior to beginning clinical courses.

## **Provisional Admission**

Provisional admission to graduate study in nursing requires one of the two GPA **Academic Standards** 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 continue graduate study

## **Academic Standards Once Admitted:**

Students must maintain a B average. In all clinical courses, students must make a B or better for progression in clinical courses in the curriculum. A grade of "D" or "F" does not meet criteria for progression in the program and results in academic probation and/or suspension. All students not receiving a B or above in a course must retake the course before progression in clinical courses is granted. If a student earns Cs in any two courses, this will result in immediate and permanent dismissal from the program.

# MASTER OF SCIENCE IN NURSING

Through the Patty Hanks Shelton School of Nursing, McMurry University offers the MSN degree with a choice of two functional tracks:

- ◆ Education ..... (33 Semester Hours)
- ◆ Family Nurse Practitioner ..... (44 Semester Hours)

## Graduation 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.
3. Fulfillment of all financial obligations to the University
4. Payment of graduation fees.

## Time Limit

Students must complete all requirements for their degree program within four years of the initial semester of enrollment. All course work must be completed to be able to participate in the graduate commencement.

## National Certification Exam

Graduates of the Education and Family Nurse Practitioner MSN tracks are eligible to sit for national certification in their respective disciplines.

MASTER OF SCIENCE IN NURSING EDUCATION TRACK		
COURSE	HOURS	
<b>MSN CORE CURRICULUM</b>		
NURS 5430 Advanced Pathophysiology	4	
NURS 6330 Policies & Strategies for Healthcare Delivery	3	
NURS 6441 Pharmacotherapeutics for Nurses in Advanced Practice	4	
NURS 6442 Advanced Health Assessment	4	
NURS 6443 Nursing Theories and Research for Advanced Healthcare Delivery	4	
<b>TOTAL CORE</b>	<b>19</b>	
<b>SPECIALTY FOCUS COURSES – EDUCATION TRACK</b>		
NURS 6350 Curriculum Design & Development	3	
NURS 6352 Roles of the Nurse Educator	3	
NURS 6449 Instructional Methods, Testing, Measurements	4	
NURS 6450 Education Practicum (200 Clinical Hours)	4	
<b>TOTAL SPECIALTY FOCUS</b>	<b>14</b>	
<b>TOTAL HOURS</b>	<b>33</b>	

MASTER OF SCIENCE IN NURSING FAMILY NURSE PRACTITIONER TRACK		
COURSE	HOURS	
<b>MSN CORE CURRICULUM</b>		
NURS 5430 Advanced Pathophysiology	4	
NURS 6330 Policies & Strategies for Healthcare Delivery	3	
NURS 6441 Pharmacotherapeutics for Nurses in Advanced Practice	4	
NURS 6442 Advanced Health Assessment	4	
NURS 6443 Nursing Theories and Research for Advanced Healthcare Delivery	4	
<b>TOTAL CORE</b>	<b>19</b>	
<b>SPECIALTY FOCUS COURSES – FAMILY NURSE PRACTITIONER TRACK</b>		
NURS 6340 Role Development for Advance Practice	3	
NURS 6434 Skills for Advanced Practice Nurses	4	
NURS 6451 Family Nurse Practitioner I (235 Clinical Hours)	4	
NURS 6452 Family Nurse Practitioner II (255 Clinical Hours)	4	
NURS 6453 Family Nurse Practitioner III (170 Clinical Hours)	4	
<b>TOTAL SPECIALTY FOCUS</b>	<b>19</b>	
<b>UNIVERSITY SUPPORT COURSES – ELECTIVES (6 HOURS REQUIRED)</b>		
NURS 6343 Epidemiology for Advanced Nursing Practice	3	
NURS 6445 Advanced Human Anatomy with Cadaver Dissection	4	
<b>TOTAL ELECTIVES</b>	<b>7</b>	
<b>TOTAL HOURS</b>	<b>45</b>	

# MASTER OF SCIENCE IN NURSING

<b>MASTER OF SCIENCE IN NURSING EDUCATION TRACK</b>	
<b>COURSE</b>	<b>HOURS</b>
<b>SPRING SEMESTER</b>	
NURS 5430	4
NURS 6442	4
<b>SUMMER SEMESTER</b>	
NURS 6352	3
NURS 6443	4
<b>FALL SEMESTER</b>	
NURS 6330	3
NURS 6441	4
<b>SPRING SEMESTER</b>	
NURS 6350	3
NURS 6449	4
<b>SUMMER SEMESTER</b>	
NURS 6450	4
<b>TOTAL HOURS</b>	<b>33</b>

<b>MASTER OF SCIENCE IN NURSING FAMILY NURSE PRACTITIONER TRACK</b>	
<b>COURSE</b>	<b>HOURS</b>
<b>FALL SEMESTER</b>	
NURS 6330	3
NURS 6441	4
<b>SPRING SEMESTER</b>	
NURS 5430	4
NURS 6442	4
<b>SUMMER SEMESTER</b>	
NURS 6443	4
NURS 6434	4
<b>FALL SEMESTER</b>	
NURS 3 Hrs Elective	3
NURS 6451	4
<b>SPRING SEMESTER</b>	
NURS 6340	3
NURS 6452	4
<b>SUMMER SEMESTER</b>	
NURS 3 Hrs. Elective	3
NURS 6453	4
<b>TOTAL HOURS</b>	<b>44</b>

# GRADUATE COURSE DESCRIPTIONS

## ACCOUNTING

**ACCT 5310****Topics in Advanced Accounting (3-0)**

Prerequisites: ACCT 2310 and 3303 and 3311 and 3312 and 4390 and admission to the Master of Accountancy program. This course introduces accounting theory as applied to partnerships bankruptcy, multinational transactions and derivative instruments. The course includes research projects using Financial Accounting Standards Board (FASB) Codification and other authoritative sources. (Fall)

**ACCT 5320****Advanced Cost Accounting (3-0)**

Prerequisites: ACCT 3330 or equivalent and admission to the Master of Accountancy program. This course presents advanced topics on the use of accounting information for decision-making, including planning and control, cost-determination and evaluation, budgeting, performance measurement systems, and qualitative techniques. (Fall)

**ACCT 5325****Federal Tax Research (3-0)**

Prerequisites: ACCT 3370 or equivalent and admission to the Master of Accountancy program. Fundamentals of research procedures used to identify tax issues, 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. (Fall)

**ACCT 5330****Data Analytics and Advanced Accounting Information Systems (3-0)**

Prerequisites: Admission to the Master of Accountancy program. This applied course provides a deeper analysis of topics that are not extensively covered in Accounting Systems (ACCT 3303), with emphasis on business processing systems, revenue and expenditure transaction cycles, the information system control structure, and the Systems Development Life cycle (SLDC). (Fall)

**ACCT 5335****Internal Auditing (3-0)**

Prerequisites: Admission to the Master of Accountancy program. This applied course introduces students to the internal audit profession and process, including the Enterprise Risk Management (ERM) and international Professional Practice Frameworks (IPPF), implementation and review of key controls, and review of business processes. This is the first course in the audit track. (Fall)

**ACCT 5340****Accounting for Government and Non-Profit Entities (3-0)**

Prerequisites: Admission to the Master of Accountancy program. Students will gain an understanding of the unique facets of accounting for state and local government and not-for-profit entities. Topics include sources of government and not-for-profit GAAP, use of fund accounting, content and organization of governmental and not-for-profit financial statements. (Spring)

**ACCT 5345****Ethical and Legal Environment of Accounting**

Prerequisites: Admission to the Master of Accountancy program. This course develops the ethical analysis framework required of public accountants given their obligation to protect the public interest. This course meets the Texas State Board of Public Accountancy ethics education requirement. (As needed)

**ACCT 5350****Business Law for Accountants (3-0)**

Prerequisites: Admission to the Master of Accountancy program. This course provides applications of basic legal principles to contracts, sales, insurance, commercial paper, agencies, business organizations, real property, personal property, trade regulation, secured transactions, and bankruptcy. (Spring)

**ACCT 5360****Contemporary Issues in Accounting Theory (3-0)**

Prerequisites: Admission to the Master of Accountancy program. This course uses the conceptual framework as a basis for developing accounting standards. Students will examine recent and proposed changes to standards as well as case studies applying the standards. Topics may include lease accounting, accounting for income taxes, postretirement benefits or revenue recognition, and may change annually. This course is taken during the final semester of the Master of Accountancy degree program. (Summer)

**ACCT 5388****Accounting Internship (3-0)**

Prerequisites: Admission to the Master of Accountancy program. A pre-approved and supervised work experience designed to supplement academic training. (Spring)

**ACCT 5399****Special Topics in Graduate Accounting**

Prerequisites: Permission of instructor. This course will vary dependent on student needs, but will be designed to provide training to meet professional requirements for students to become CPAs. (As needed)

**ACCT 6325****Advanced Taxation (3-0)**

Prerequisites: ACCT 3370 or equivalent and admission to the Master of Accountancy program. Advanced phases of taxation to include fiduciary, partnership and corporate problems. Also covers estate and gift taxation. This is the first course in the Tax track. (Spring)

**ACCT 6335****Advanced Techniques in Auditing and Assurance (3-0)**

Prerequisites: Admission to the Master of Accountancy program. Using a case-study framework, this course provides a deeper examination of audit topics that are not extensively covered in Auditing Theory and Practice (ACCT 4390), including the professional standards, control environment, sampling techniques, auditing techniques, and Computer-Assisted Auditing Techniques. This is the second course in the Auditing track. (Spring)

**ACCT 6360****Accounting Capstone: Preparing for the Profession (3-0)**

Prerequisites: Admission to the Master of Accountancy program. This capstone course prepares students for accounting careers through (1) exposing them to the content and the nature of the Uniform CPA examination and (2) identifying and examining characteristics of successful accountants. This course is taken during the final semester of the Master of Accountancy degree program. (Summer)

**NURSING****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.

**NURS 6330****Policies and Strategies for Advanced Healthcare 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**

Presents a traditional survey of the investigative principles and methods used to establish disease outbreaks and other public health problems, and to quantify their impact on human populations. Five conceptual domains will be explored including: historical perspectives and their significance; professional roles; research methodologies; disease processes; screening and prevention; and ethics and culture.

**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 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.

**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.

**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)

**NURS 6443****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.

**NURS 6445****Advanced Human Anatomy with Cadaver Dissection**

Prerequisites: Graduate Program Admission, bachelor's degree, undergraduate Anatomy & Physiology. The course focuses on advanced knowledge of the anatomical structures of the human body, including but not limited to the head and neck, thorax, abdomen, pelvis, and extremities utilizing human cadaver dissection. Emphasis will be placed on clinical application of anatomic variations from normal and the means by which these variations can contribute to disease. A clinical application lab will correspond to the lecture course. (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. (235 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. (255 clinical hours)

## **Graduate Course Descriptions**

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### **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. (170 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 1013D**

**Academic Literacy 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. Required for students whose standardized English Language test score results indicate a need for additional skill development. The semester credit for this course does not apply to credit hours required for graduation. (As needed)

### **ACAD 1023D**

**Academic Literacy II (3-0)** Prerequisites: Appropriate score on reading placement test, or completion of ACAD 1013D with a grade of "C—" or better. Academic Literacy 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. Required for students whose standardized English Language test score results indicate a need for additional skill development. The semester credit for this course does not apply to credit hours required for graduation. (As needed)

### **ACAD 1210**

**Strategies For Learning (2-0)** 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. (As Needed)

### **ACAD 1340**

**Freshman Seminar (3-0)** Prerequisites: None. Required for all first-time full-time freshman. First Year Seminar explores a specific topic while helping students develop foundational skills for academic and personal success, including critical thinking and effective written and oral communication. Students will engage and reflect on complex issues, research open-ended questions, and work closely with classmates on creative projects. (Fall, Spring)

### **ACAD 2240**

**Peer Leadership (2-0)** Prerequisites: Permission of Instructor. This is a unique class designed to provide a forum for the training of the Peer Leaders for the First Year Seminar. Discussion will revolve around topics such as styles and skills of leadership, small group facilitation, learning strategies, collaborative learning techniques, student development theories, and other related issues. (As needed)

### **ENGL 1041D**

**Writing Mechanics (1-0)** This course covers the basic principles of grammatical structure and punctuation. Required for students whose standardized English Language test score results indicate a need for additional skill development. Laboratory time may be required. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

### **ENGL 1013D**

**Introduction To Composition I (3-1)** The study of, and extensive practice in, process writing of an effective paragraph, including work on mechanical skills. Required for students whose standardized English Language test score results indicate a need for additional skill development. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (As needed)

### **ENGL 1023D**

**Introduction To Composition II (3-1)** The study of, and extensive practice in, process writing with emphasis on the basic elements of an effective essay, including work on mechanical skills. Required for students whose standardized English Language test score results indicate a need for additional skill development. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (As needed)

### **ENGL 1033D**

**Integrated Reading and Writing (3-1)** Co-requisite: ENGL 1310. This is a combined lecture/workshop, performance-based course designed to develop students' critical reading and academic writing skills. The course will focus on applying critical reading skills for organizing and analyzing material and on developing written work appropriate to audience and purpose. The course integrates preparation in academic reading skills with basic skills in writing. The course provides instruction and practice in academic reading and writing skills required to succeed in ENGL 1310. In addition to 3 hours of lecture, this course has a 1 hour per week lab requirement. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

### **MATH 1013D**

**Introductory Algebra (3-1)** 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. Required for students whose academic placement results indicate a need for additional skill development. Upon successful completion of MATH 1013D, the student will be enrolled in MATH 1023D. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

### **MATH 1023D**

**Intermediate Algebra (3-1)** Prerequisite: Successful completion of MATH 1013D Introductory Algebra or demonstrated mastery of the concepts covered in MATH 1013D. The curriculum includes a review of introductory algebra concepts, quadratic equations, factoring, rational expressions, complex fractions, roots, radicals, absolute value equations and inequalities, and functions. Required for students whose academic placement results indicate a need for additional skill development. Upon successful completion of MATH 1023D, the student will be enrolled in MATH 1311. This is the first course in the Accelerated College Algebra series. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

## 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)

## **Undergraduate Course Descriptions**

### **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, Summer II)

### **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 3325**

**International Accounting (3-0)** Prerequisite: ACCT 2310. This course provides a general understanding of accounting standards and financial reporting practices, both internal and external, in a global setting. The course covers various international accounting theories and practices in order to provide students with necessary skills for analyzing and interpreting consolidated financial statements presented by multinational and transnational corporations. (Fall odd years)

### **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 entrepreneurs. Included are the tax formula, taxable and nontaxable income, deductions and losses, certain business expenses, and self-employed 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 issues, 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. (Fall)

### **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)** Prerequisite: Instructor permission. 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 instructor. (As needed)

### **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. (As needed)

## **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) (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) (TCCN ARTS 2346)

**ARTS 2300**

**Fundamentals of Drawing (Drawing I) (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. (Spring) (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) (TCCN ARTS 1303)

**ARTS 2302**

**Art 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) (TCCN ARTS 1304)

**ARTS 2304**

**Creative Drawing (Drawing II) (0-6)** Prerequisites: ARTS 2300 or permission of instructor. 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 (Drawing I). A variety of drawing media is used to further develop the conceptual and aesthetic aspects of students' drawings. Course fees apply. (Fall) (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 (Ceramics II) (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)

**ARTS 2315**

**Photoshop I (3-3)** Prerequisite: MMAP 2310. A studio course designed to introduce languages and methods of using the computer to generate original and creative images. The course explores alternative image making and problem solving using Macintosh computer programs as applied to the visual arts. Photoshop will be used to manipulate images, sizing documents for print and create digital art. These images as communication will be emphasized while introducing basic Photoshop tools and techniques. A materials fee is charged for this course. (Fall)

**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) (TCCN ARTS 2311)

**ARTS 2323****Fundamentals of Photography (Photography I) (0-6)**

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) (TCCN ARTS 2356)

**ARTS 2330****Beginning Digital Photography (Photography II) (3-3)**

Prerequisites: ARTS 2323 or permission of instructor. 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, posting 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. (Spring)

**ARTS 3305**

**Photoshop II (3-3)** Prerequisite: ARTS 2315. A studio course designed to advance students in the usage, languages and methods of using computer generated images. The course explores advertising, print design and layout problem solving using Macintosh computer programs as applied to the visual arts. Photoshop will be used to generate images. The images will communicate the principles and elements of design as they pertain to advertising. A materials fee is charged for this course. (Spring)

**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 even years)

**ARTS 3313****Techniques in Wheel Throwing (Ceramics III) (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. (Spring)

## **Undergraduate Course Descriptions**

### **ARTS 3315**

**Ceramic Sculpture (Ceramics IV) (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. (Fall, Spring)

### **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 placed on a strong composition, emotional impact, communication of ideas, creating a mood, and the congruity of technique. (Fall)

### **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)

### **ARTS 3328**

**Advanced Photography (Photography III) (0-6)** Prerequisites: ARTS 2323, 2330 or permission of instructor. Lecture and lab 6 hours a week. A materials fee is charged for this course. (Fall)

### **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**

**Illustration I (Logo Design) (3-0)** Prerequisites: ARTS 3305, 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. A materials fee is charged for this course. (Fall)

### **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 famous and regional painters through image/lectures, CD roms, discussion videos and field trips to museums and galleries. (Spring)

### **ARTS 3345**

**Illustration II (Package Design) (3-3)** Prerequisite: ARTS 3336. This course is designed to address four topics in graphic design and is the second part of ARTS 3336. This course will address package design for retail, grocery, and clothing. The graphics will communicate the principles and elements of design as they pertain to packaging. This course will work with vector and raster graphics within the adobe programs. A materials fee is charged for this course. (Spring even years)

### **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)

### **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)

### **ARTS 3390**

**Gallery Practices (3-0)** Prerequisites: Sophomore or Junior status. 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, become familiarized 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. (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)

### **ARTS 4180**

**Senior Exhibition (0-6)** Prerequisite: ARTS 4390 or permission or instructor. All BFA studio art and graphic design seniors are required to complete a senior art exhibition. This course is suggested for BA art majors and is optional for art minors. (Fall, Spring)

### **ARTS 4313**

**Clay and Glaze Calculation and Kilnbuilding (Ceramics V) (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)

**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)

**ARTS 4360**

**Brand & Portfolio Development (3-3)** Prerequisites: ARTS 3305 and 3334 and 3336. This course is designed to address print media for corporate and small business. This course is a two part advanced course in graphic design. (Part 1) Computer Illustration including logo design, typography, page layout, advertising design, corporate identity package. (Part 2) Personal portfolio development with individual identity package, web design, and print portfolio for upper level students. This is a Capstone course. (Spring odd years)

**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 art 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)

**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. (As needed)

**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. (As needed)

**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)

**BIOMEDICAL SCIENCE****BIMS 1300**

**Scientific Thought (3-0)** Prerequisites: None. Satisfies Critical Reasoning requirement of General Education. An introduction to the processes of observation, thought, analysis, and reasoning that are common to science, with an eye toward how these skills apply to games and life decisions. Various approaches to study of a problem, evaluation of results, and ethical decision-making are emphasized. Knowledge and skills are illustrated in student-designed games completed as course projects. (Spring)

**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 3350**

**Cell Biology (3-0)** Prerequisite: BIOL 1306 and 1106. A study of biology at the cellular level. This course is concerned with the anatomy and physiology of eukaryotic cells. Topics will include cellular organization and the processes involved in membrane support, energy production and conservation, macromolecular synthesis and processing, the cell cycle, and cell signaling. (Fall)

**BIMS 3410**

**Microbiology (3-3)** Prerequisites: BIOL 1306, 1106, and eight hours of Chemistry. 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)

## **Undergraduate Course Descriptions**

### **BIMS 3430**

**Human Physiology (3-3)** Prerequisites: BIOL 1306, 1106, 1307, 1107, or BIOL 2401, 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 4150**

**Molecular Biology Laboratory (0-3)** Prerequisites: Completion of (or concurrent enrollment in) BIMS 4350, or permission of instructor. An introduction to basic molecular techniques used for the study of DNA, RNA, and proteins. 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 required courses, or approval of the Department. This course is one of the capstone options 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, summer research experiences, or other appropriate activities. (Fall, Spring)

### **BIMS 4350**

**Molecular Biology (3-0)** (3-0) Prerequisites: BIOL 1306, 1106, and either BIMS 3410, BIOL 3460 or HHSC 3440. A study of biology at the molecular level. Special emphasis is placed on molecular events in such processes such as gene expression, gene regulation, genetic control of development, and methods for analysis of cellular molecules. (Fall)

### **BIMS 4X91**

#### **Advanced Topics in Microbiology and Public Health**

Prerequisites: BIMS 3410, and other courses as appropriate to the topic offered. An elective course designed to discuss and explore specialized topics in microbiology and/or public health with special attention to health- 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**

Prerequisites: BIOL 3460, and other courses as appropriate to the topic offered. An elective course 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 1106**

**General Biology I Lab (0-3)** Prerequisite or Corequisite: BIOL 1306. Intended for Biology, Biomedical Science, Environmental Science and Life Science majors. A survey at the laboratory level of the major physical, chemical, and biological processes important to living organisms. (Fall) (TCCN BIOL 1106)

### **BIOL 1107**

**General Biology II Lab (0-3)** Prerequisite or Corequisite: BIOL 1307. Intended for Biology, Biomedical Science, Environmental Science and Life Science majors, and Biology minors. An introductory survey at the laboratory level of current biological concepts including evolution, biological diversity, ecology and structure and function of organisms. (Spring) (TCCN BIOL 1107)

### **BIOL 1306**

**General Biology I (3-0)** Prerequisites: none. A survey of Biology from molecules to cells. Intended for Biology, Biomedical Science, Environmental Science and Life Science majors, and Biology minors. Topics include biological molecules, metabolism, macromolecular synthesis, cell structure and function, cell division, gene structure and function, and patterns of inheritance. (Fall) (TCCN BIOL 1306)

### **BIOL 1307**

**General Biology II (3-0)** Prerequisites: none. Intended for Biology, Biomedical Science, Environmental Science and Life Science majors as well as Biology minors. An introductory survey of current biological concepts including evolution, biological diversity, ecology and structure and function of organisms. (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 2110**

**Environmental Seminar (1-0)** Prerequisites: BIOL 1306, 1106, 1307, and 1107. This is a required course for the Biology major and Environmental Science 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, Biomedical Science or Environmental 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, Biomedical Science or Environmental 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 2410**

**Biology of Plants (3-3)** Prerequisites: BIOL 1306, 1106, 1307, and 1107. 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 2420**

**Invertebrate Zoology (3-3)** Prerequisites: BIOL 1306, 1106, 1307, 1107. A survey of the 33 major groups of invertebrates including their structures and functions. (Spring)

**BIOL 3100**

**Research Team Lab (0-3)** Prerequisite: None. Intended for Biology, Biomedical Science, Life Science, and Environmental Science majors. Active research of basic nature under the supervision of Department of Biology faculty members. Requires approval by the instructor. May be taken up to four times for credit and no grade less than a "B" is acceptable for continuation in subsequent semesters.

**BIOL 3110**

**Junior Seminar (1-0)** Prerequisites: BIOL 3460 and junior standing. This course is required for majors in Biology, Biomedical Science, Environmental Science, Life Science, and Life Science 8-12. A course intended to access student progress in biological knowledge, to grow student experience with scientific literature, to prepare students for entrance into their capstone experiences, and to explore post-graduation options related to their major. Students will take the Junior Exam designed for their major in this course. (Fall)

**BIOL 3330**

**Biogeography (3-0)** Prerequisites: BIOL 1306, 1106, 1307, and 1107. 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 [note: course will count towards a biology 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, morphology, immunology, 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 1306, 1106, 1307, and 1107. 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: 12 hours of Biology and/or 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. (Spring)

**BIOL 4101**

**Biological Communication (1-0)** Prerequisites: Completion of, or concurrent enrollment in, BIOL 4201 or BIMS 4201. An introduction to methods of scientific communication, 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. (Spring)

**BIOL 4201**

**BIOL Capstone Experience (1-3)** Prerequisites: Senior standing and completion of the major requirements for the biology degree. This course is required for the Biology, Environmental Science and 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: BIOL 1306, 1106, 1307, and 1107. A study of the flora, fauna, land-forms, and ecology of selected sites primarily in the Southwest. 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 1306 and 1106, and BIOL 1307 and 1107. 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)** Prerequisites: BIOL 1306, 1106, 1307, and 1107. 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, BS Environmental 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** Prerequisites: BIOL 1306, 1106, 1307, and 1107. 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** Prerequisites: BIOL 1306, 1106, 1307, and 1107. 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)

## **Undergraduate Course Descriptions**

### **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 4X96\***

**Biology Honors Research** 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 4X97\***

**Biology Honors Thesis** 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. De-signed 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. (Fall)

### **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, as needed)

### **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. (Fall, Spring)

### **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 4384**

**Business Ethics and Society (3-0)** [This course will not satisfy CPA requirements: Accounting majors should take BUSI 4385.] Prerequisites: Junior or Senior standing or consent of the instructor. To provide students 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. (as needed)

### **BUSI 4385**

**Ethics in Business and Society (3-0)** [This course satisfies CPA requirements.] Prerequisites: Junior or Senior standing or consent of the instructor. To provide students 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 4388**

**Internship in General Business (0-3)** Prerequisites: 15 credit hours in the major, and instructor and Dean of JSOB permission. Students in this course will work with a company for at least 120 hours during a semester under the supervision of a faculty member in the JSOB and a supervisor at the company for which they work. (As needed)

### **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 Instructor permission. 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 required. 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. (As needed) (TCCN CHEM)

**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 reactivity of organic functional groups and the biochemistry of proteins, carbohydrates, lipids and nucleic acids. (As needed) (TCCN CHEM 1408)

**CHEM 1407**

**Chemical Basics for Allied Health** Prerequisites: MATH 1311 or higher, or concurrent enrollment in MATH 1311. Designed for students whose intended career is in one of the allied health fields. This course satisfies the chemistry requirement for Nursing majors. This course does not satisfy the chemistry requirements for other science majors or minors. An introductory study of general, organic, and biological chemistry. Topics include atomic structure, bonding, chemical reactions and stoichiometry, solution chemistry (including acids, bases, and buffers), organic functional groups, and fundamental biochemical molecules (including amino acids/proteins, lipids, carbohydrates, and nucleic acids). (Fall, Spring)

**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. (Fall) (TCCN CHEM 2401)

**CHEM 3100**

**Research Team Lab (0-3)** Prerequisites: CHEM 1410 and approval of instructor. Intended for Chemistry and Biochemistry majors. Active research of basic nature under the supervision of Department of Chemistry/Biochemistry faculty members. Student contributes to on-going research as a member of the research team; projects may be multi-disciplinary in nature. May be taken up to eight times for credit and no grade less than a B is acceptable for continuation in subsequent semesters. (As needed)

**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. (Fall odd years)

**CHEM 3360**

**Biophysical Chemistry (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)

## **Undergraduate Course Descriptions**

### **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 macromolecules, 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. (Spring odd 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**

#### **Chemistry/Biochemistry Literature Seminar (1-0)**

Prerequisite: Junior or senior standing, declared major in chemistry or biochemistry. This course introduces the student to the various types of chemical literature and to the methods used to locate published chemical information in various databases. Skills in reading, summarizing, and presenting ideas found in several published papers will be developed. The student will develop a résumé which can be used in job applications and participate in other career-related activities. (As needed)

### **CHEM 4102**

**Chemistry/Biochemistry Senior Project (1-0)** Co-requisite/prerequisite: CHEM 4101 and senior standing, declared major in chemistry or biochemistry. This course is designed to strengthen the student's written and oral communication skills. Students select a topic in the field of chemistry or chemical education, conduct a literature search, write a scientific review of that topic, and give an oral presentation of the topic to an audience of faculty and students. Students will also write a grant proposal in connection with the research topic. This course, or CHEM 4X20 or CHEM 4X88 or CHEM 4X97\*, serves as the capstone course for degrees in Chemistry and Biochemistry. (As needed)

### **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. (Spring even 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 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 Instructor permission. 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)

## **Undergraduate Course Descriptions**

# **COMMUNICATION**

### **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) (TCCN SPCH 1315)

### **COMM 2315**

**Intercultural Communication (3-0)** Prerequisites: None. This course explores the basic elements of intercultural communication on the interpersonal level primarily. Reviews of basic theories and research frame the course objectives. Beginning with personal cultural awareness, the goal is to provide students with knowledge and skills to increase intercultural communication competence. (Fall even years)

### **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 2335**

**Communication Theory (3-0)** Prerequisites: COMM 1310 or 2330. This course introduces students to significant theories of communication. Students will be introduced to rhetorical, critical, humanistic and social scientific traditions. Through an effective understanding of these theories, students will become more flexible, useful, and discriminating producers and consumers of communication and human interactions. (Fall odd years)

### **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)

### **COMM 3345**

**Internet, Media & Society (3-0)** Prerequisites: COMM 1310 or 2330. In this course students will examine the relationship between mediated communication processes and both the individual and society; their influence on knowledge, attitudes and behavior. In addition, this course explores the social, legal, ethical and political implications of the relationship between mass media and society, including world cultures and social media influences. (Spring even years)

### **COMM 3369**

**Topics in Rhetoric (3-0)** Prerequisites: COMM 1310 or 2330. This course introduces students to major issues and perspectives in rhetorical theory and criticism, including the foundational concepts from the history of rhetorical theory, elements of rhetorical studies, and methods of rhetorical analysis. By surveying traditional and contemporary approaches to studying rhetoric, students will reflect upon the power of and human symbolic activity and explore how these processes work and why they are effective. (Fall even years)

### **COMM 3375**

**Argumentation & Persuasion (3-0)** Prerequisites: COMM 1310 or 2330. This course introduces students to the principles of argumentation by studying various types of arguments and the tests to which each is susceptible. Concepts covered in this course include the ethics of advocacy, tests of evidence, fallacious reasoning. Students will explore how communication helps to form, transform, repair, maintain, and dissolve attitudes. (Spring even years)

### **COMM 3380**

**Conflict Management (3-0)** Prerequisites: None. Through the study of contemporary theory, practical application, and analysis, students gain insight into the positive and negative aspects of conflict. This course presents practical means for constructively managing conflict in various contexts. *This course available only to students enrolled in the McMurry Online Degree Program.* (As needed)

### **COMM 4335**

**Communication Ethics (3-0)** Prerequisites: COMM 1310 or 2330.

This course focuses on the ethics of communication in interpersonal, professional, and civic contexts. Students will explore diverse ethical frameworks, principles, and guidelines for assistance in discerning what rights and responsibilities communicators have in relation to themselves, their families, their communities, and the broader global community. (Spring odd years)

### **COMM XX99**

**Special Topics (Variable Credit)** Prerequisite: Instructor permission. 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)

# **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 laptop computer. (As needed)

### **COSC 1306**

**Programming for Non-majors (3-0)** Prerequisites: None. An introduction to structured programming for students in non-computing disciplines. Logic and number representations are presented as they are used in programming. Students will learn how to write programs in a programming language and develop algorithms to perform computations of interest in mathematics and the sciences. (Fall, Spring)

**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 laptop computer. (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 laptop computer. (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 laptop computer. (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 laptop computer. (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 laptop computer. (Spring even years)

**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. Students must have a laptop computer. (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. Students must have a laptop computer. (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. Students must have a laptop computer. (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. Students must have a laptop computer. (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. Students must have a laptop computer. (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 C SC 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 C SC 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)

**CRIMINAL JUSTICE****CRJS 1311**

**Principles of Criminal Justice (3-0)** Prerequisites: None. This course focuses on the formal crime control process in the United States. Students will examine the agencies and processes involved in administering justice: the police, the prosecutor, the courts, and correctional systems. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

## **Undergraduate Course Descriptions**

### **CRJS 1312**

**Introduction to Law Enforcement (3-0)** Prerequisites: CRJS 1311. The development of U.S. policing, stressing the relationship of police to local politics and the effects of civil service, reform movements, and technological change. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 1313**

**Crisis Management (3-0)** Prerequisites: CRJS 1311. The course develops managerial skills in crisis avoidance, management, and recovery. Students learn how to respond to situations creating danger to organizations, their employees, and the public. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 1321**

**Criminal Investigation (3-0)** Prerequisites: CRJS 1311. Students will learn to recognize the relevant components of a successful and ethical criminal investigation and to classify and summarize evidentiary procedure for several different types of investigations. After completion of this course, they will be prepared to go into the field to be trained on investigations, view an overall investigation and identify and organize evidence, evaluate evidence based upon constitutional standards, and create an investigative report. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 2311**

**Criminal Procedure I (3-0)** Prerequisites: CRJS 1311. Constitutional aspects of criminal procedures, including investigations, arrests, search and seizures, pre-trial processes, trial rights, sentencing, and appeals. Part I focuses primarily on the rights protected by the Fourth Amendment. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 2321**

**Criminal Procedure II (3-0)** Prerequisites: CRJS 1311. Constitutional aspects of criminal procedures, including investigations, arrests, search and seizures, pre-trial processes, trial rights, sentencing, and appeals. Part II focuses primarily on the rights protected by the Sixth Amendment. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 2361**

**Diversity in Criminal Justice (3-0)** Prerequisites: CRJS 1311. This course examines the interrelationship of race, class, and gender with the criminal justice system in law enforcement and the correctional system. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3312**

**Principles of Forensic Science (3-0)** Prerequisites: CRJS 1311 and 1312. Overview of general principles of forensic science, techniques, equipment, and methodologies as used in crime laboratories. Focus on fingerprint and firearm identification, trace evidence (hair, fiber, paint, glass), blood, DNA evidence, forensic documentation examination, crime scene kits, and forensic microscopy. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3323**

**Cybercrime (3-0)** Prerequisites: CRJS 1311 and 1313. Explores legal issues and challenges faced by the criminal justice system in response to computer / cyberspace criminal investigations. Emphasis is placed upon various forms of crime perpetrated in cyberspace. Topics include forms of electronic criminal activity, enforcement of computer-related criminal statutes, constitutional issues related to search and seizure, privacy concerns, application of the First Amendment in cyberspace, and laws pertaining to electronic surveillance. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3332**

**Community Policing (3-0)** Prerequisites: CRJS 1311 and 1312. Explores how community policing is both a philosophy and an organizational strategy that allows police and community residents to work closely together in new ways to solve the problems of crime, fear of crime, physical and social disorders, and neighborhood decay. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3333**

**Terrorism and Counterterrorism (3-0)** Prerequisites: CRJS 1311 and 1313. This course examines the indigenous and external sources of terrorism, and declared and implied objectives or strategies operations and tactics and the countermeasures that are created. This course will take an even closer look at prioritizing terrorism while trying to focus on other U.S. problems and foreign policy objectives. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3341**

**Juvenile Justice (3-0)** Prerequisites: CRJS 1311. Theoretical foundations of delinquency causation. Historical tracing of the American juvenile justice system, including the juvenile court and its jurisdiction, police interaction with juveniles, and treatment and correctional strategies for young offenders. Examination of prevention and treatment approaches. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3342**

**Principles of Corrections (3-0)** Prerequisites: CRJS 1311 and 1312. This course provides an analysis of major correctional systems; their objectives and programs as they relate to the rehabilitation of offenders. This course seeks to provide students with an analysis and evaluation of contemporary correctional systems. All aspects of the correctional system will be discussed, including, but not limited to, sentencing, probation, intermediate sanctions, jail and prison, parole, and inmate issues. The course will include discussion of recent research concerning the correctional institution and the various field services. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3343**

**Management of Terrorist Incidents (3-0)** Prerequisites: CRJS 1311 and 1313. This course will provide an in-depth review of terrorist response recommendations and practices as well as public policy overview. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

### **CRJS 3361**

**Victimology (3-0)** Prerequisites: CRJS 1311. Theories and history shaping the bio-psychosocial and environmental characteristics of crime and violent victimization are examined with emphasis on their intersection with issues of race, gender, class, ethnicity, and sexual orientation. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 3381**

**False Criminal Justice (3-0)** Prerequisites: CRJS 1311. This course addresses the criminal justice system when it produces false arrests, convictions, and incarcerations. Cases of innocence will be examined to determine the role of police investigations and judicial decisions in erroneous convictions. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 4321**

**Comparative Justice (3-0)** Prerequisites: CRJS 1311. The class will examine issues related to crime throughout the world. The student will identify, analyze, and compare the criminal justice systems in the U.S. with those of other countries. The course will explain the basic worldwide philosophies of law and justice, the arrangements for crime prevention and law enforcement, and the methods of selecting judges and juries around the world. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 4341**

**Serial Killers (3-0)** Prerequisites: CRJS 1311. A course that will outline the cultural, family, religious, and psychological profiles of serial killers as well as how they choose their victims. Stereotypes and myths will also be explored. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 4352**

**Police Administration (3-0)** Prerequisites: CRJS 1311 and 1312. An organizational management and systems approach to the study of police administration. Emphasizes the administration of various police function, organizational structures, resources management, operational techniques, professional ethics, and leadership principles and their implications for generalized and specialized units. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 4353**

**Homeland Security Law and Public Policy (3-0)** Prerequisites: CRJS 1311 and 1313. This course introduces the American legal system as it pertains to emergency management and public health issues. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 4361**

**Elite Crime (3-0)** Prerequisites: CRJS 1311. This course is an analysis of socio-economic advantages and criminal behavior. Corporate and government white collar crime are examined. In addition, efforts to reduce elite crime will be presented. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS 4391**

**Ethics in Criminal Justice (3-0)** Prerequisites: CRJS 1311. Identifies and explores ethics and values in the criminal justice system, paying special attention to issues of social inequality. Discusses remedial strategies and behavior relating to unethical behavior from an individual and group perspective. *This course available only to students enrolled in the McMurry Online Degree Program and majoring in Criminal Justice.*

**CRJS XX99**

**Special Topics (Variable Credit)** Prerequisite: permission of department chair. Departmental elective for majors. These courses focus on topics that broaden the departmental curriculum or meet student demand. May be repeated for credit when topics vary.

**CRIMINOLOGY****CRIM 1315**

**Crime and Society (3-0)** Prerequisites: None. This offering is a required foundation course for criminology majors and minors. Informal and formal social control, variations of criminal behavior, and crime and punishment policies are covered. (Fall, Spring)

**CRIM 2315**

**Causes of Crime (3-0)** Prerequisites: CRIM 1315. This is a required course for criminology majors and minors. This course focuses on crime in America. Past and present aspects of typologies, punishments, corrections, and styles of enforcement are overviewed. (Spring)

**CRIM 3325**

**Wrongfully Convicted (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is required for criminology majors and minors. 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. (Fall)

**CRIM 3335**

**Juvenile Delinquency (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is an advanced elective for criminology majors and 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)

**CRIM 3355**

**Serial Murder Investigations (3-0)** Prerequisites: None. This course is an advanced elective for criminology majors and minors. 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 as 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)

**CRIM 3375**

**Crimes of the Powerful (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is an analysis of the criminal behavior of social elites. Rather than crimes of individuals, the primary focus of this course is on the crimes of organizations such as political corruption, corporate crimes against consumers, workers, and the environment, and state crimes of foreign policy. The crimes of powerful individuals will be studied in the context of their positioning within powerful organizations. (Fall)

**CRIM 3385**

**Crime and Punishment (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is an advanced elective for criminology majors and minors. This course deals with the punishment phase after criminal behavior has been determined to have occurred. Particular attention is given to sentencing guidelines and correctional practices. On a more theoretical level, this offering examines the effectiveness of punishment concerning deterrence, retribution, confinement, and rehabilitation. (Fall)

## **Undergraduate Course Descriptions**

### **CRIM 4335**

**Women and Crime (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is required for criminology majors. This course concerns 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)

### **CRIM 4365**

**Comparative Criminology (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is required for criminology majors. 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)

### **CRIM 4375**

**Seminar in Criminology (3-0)** Prerequisites: CRIM 1315, 2315 and SOCI 1310. This course is required for criminology majors and 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 overviewed. This is the Capstone course for criminology. (Spring)

### **CRIM 4X88**

**Internship in Criminology (Variable Credit)** Prerequisites: CRIM 1315 and junior or senior standing. Intended as an upper level elective for criminology majors. A pre-approved and supervised work experience designed to supplement academic training. 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 criminology faculty by October 1 for spring semester placement and by March 1 for fall semester placement. (Fall, Spring)

### **CRIM 4x95**

**Independent Studies (Variable Credit)** Prerequisites: CRIM 1315 and 2315 and SOCI 1310 and 6 additional hours in criminology. This course is an advanced elective for criminology majors or minors. This offering is an arrangement between the student and instructor of 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. (By arrangement)

### **CRIM 4x96H**

**Honors Tutorial (Variable Credit)** Prerequisites: 15 hours in criminology and admission to the departmental honors program. Designed for the honors student in criminology; includes extensive reading on a select topic. (By arrangement)

### **CRIM 4x97H**

**Senior Thesis (Variable Credit)** Prerequisites: 18 hours in criminology, admission to the departmental honors program, and approval of thesis by department and Honors Committee. Designed for honors students in criminology; includes conducting a 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)

### **CRIM XX99**

**Special Topics (Variable Credit)** Prerequisites: CRIM 1315 and 2315 and SOCI 1310. This course is an elective for criminology 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.

## **CURRICULUM AND 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)

### **CURR 3301**

**Theories of Learning (3-0)** Prerequisites: Admission to the Teacher Education Program and junior standing. This course focuses on the developmental characteristics of school-age children, how they learn, and the classroom implications of both development and learning theories. Other emphases include the influence of culture on learning, behavioral, cognitive, and constructive theories of human learning, teacher- and student-focused lesson organization, motivation, and serving the educational needs of exceptional learners. (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 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)

### **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. Corequisite: 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 4125**

#### **Professional Development Internship 7-12 (1-0)**

Prerequisites: CURR 3301, CURR 3302, senior or post baccalaureate status, and student must be in good standing in the Teacher Education Program. Corequisites: 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 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 4167**

**Internship Seminar I** Prerequisites: CURR 4354 and 4355 and admission to the alternative certification (FasTrack) program and having found employment with a TEA approved school district. Co-requisite: CURR 4388. This course includes the development, implementation, analysis, and evaluation of a Teacher Work Sample and observations of teaching of the intern. Certification issues and challenges related to an internship experience will be addressed. Assignments will be submitted online. This is a Pass/Fail graded course and repeatable for credit a maximum of six times. (Fall, Spring, May)

**CURR 4168**

**Internship Seminar II** Prerequisites: CURR 4354 and CURR 4355 and CURR 4167 and admission to the Alternative Certification (FasTrack) program and having found employment with a TEA approved school district. Co-requisite: CURR 4388. This course includes the development, implementation, analysis, and evaluation of a Teacher Work Sample and observations of teaching of the intern. Certification issues and challenges related to an internship experience will be addressed. Assignments will be submitted online. This is a Pass/Fail graded course and repeatable for credit a maximum of six times. (Fall, Spring, May)

**CURR 4198**

**Clinical Teaching Seminar (1-0)** Prerequisites: Senior or post baccalaureate status and admission to clinical teaching. This course includes the development, implementation, analysis, and evaluation of a Teacher Work Sample. Certification issues and challenges related to the clinical teaching experience will be addressed. Assignments will be submitted online. (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 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. Corequisite: Concurrent enrollment in CURR 4321 and CURR 4121. To be taken the semester before clinical 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. Corequisites: Concurrent enrollment in CURR 4324 and 4125. To be taken the semester before clinical 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 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. Corequisites: Concurrent enrollment in CURR 4325 and 4125. To be taken the semester before clinical 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 7-12 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. Corequisites: Concurrent enrollment in CURR 4324 and CURR 4125. To be taken the semester before clinical teaching internship. Development of planning skills, such as creating goals, objectives, lesson plans, and modifying them for special populations in grades 7-12; development of an understanding of curricula and their organization in secondary grades; an introduction to methods of teaching; and development os skills to create and evaluate tests. (Fall, Spring) (Required for 7-12 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. Corequisite: Concur- rent enrollment in CURR 4351. To be taken the semester be- fore clinical 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. Corequisite: Concurrent enrollment in CURR 4350. To be taken the semester before clinical 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 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 standing in the Teacher Education Program. Corequisite: Concurrent enrollment in CURR 4355. To be taken the semester before clinical 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. (Summer) (Required for 7-12 certification)

## **Undergraduate Course Descriptions**

### **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. Corequisite: Concurrent enrollment in CURR 4354. To be taken the semester before clinical 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 7-12 certification)

### **CURR 4600**

**Clinical Teaching (4-0)** Prerequisites: Senior or post baccalaureate status and admission to clinical teaching. Corequisite: 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 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. 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 an 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. (Fall, Summer) (Required for EC-6 Certification)

### **ECED 3370**

#### **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 and 4310. An introduction to the theories of language acquisition and the stages of language development. (Required for grades EC-6 certification and for ESL and Bilingual Supplemental endorsement) (Fall, Spring, Summer)

### **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. (Spring) (Required for EC-6 certification)

**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) (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. (Spring) (TCCN ECON 2302)

**ECON 3330**

**International Trade (3-0)** Prerequisites: ECON 2320. This introductory course in international trade familiarizes students with theories and procedures that guide trade policies and practices between countries. Students learn why international trade is important for the United States and other nations, and they examine how it effects production, profit and the micro-economy. (Fall odd years)

**ECON 3340**

**International Monetary Systems (3-0)** Prerequisites: ECON 2320; (ECON 2310 is also recommended but not required). This course presents and applies International Monetary theory to recent events and current policy issues. The theory presented in this course covers a broad range of topics including exchange rate determination, monetary and fiscal policy in an open economy (that is, an economy that trades goods and assets with the rest of the world), balance of payment crises, the choice of exchange rate systems and their advantages and disadvantages, currency unions and international debt. The insights provided by these theoretical frameworks will enable the class to discuss topics such as the US current account deficit, the single currency in Europe, the Asian and Latin American financial crises, global finance imbalances, government intervention in the foreign exchange market and the role of international factors on a nation's employment, wage and economic performance. (Spring even years)

**ENGLISH****ENGL 1013D**

**Introduction To Composition I (3-1)** The study of, and extensive practice in, process writing of an effective paragraph, including work on mechanical skills. Required for students whose IELTS score warrants additional training before taking ENGL 1023D. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (Fall)

**ENGL 1023D**

**Introduction To Composition II (3-1)** The study of, and extensive practice in, process writing with emphasis on the basic elements of an effective essay, including work on mechanical skills. Required for those whose academic placement results indicate a need for additional skill development. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (Fall)

**ENGL 1033D**

**Integrated Reading and Writing (3-1)** Co-requisite: ENGL 1310. This is a combined lecture/workshop, performance-based course designed to develop students' critical reading and academic writing skills which are required to succeed in ENGL 1310. In addition to 3 hours of lecture, this course has a 1 hour per week lab requirement. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

**ENGL 1041D**

**Writing Mechanics (1-0)** This course covers the basic principles of grammatical structure and punctuation. Required for those whose academic placement results indicate a need for additional skill development. Laboratory time may be required. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

**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) (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) (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) (TCCN ENGL 2321, 2322, 2323)

## **Undergraduate Course Descriptions**

### **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) (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) (TCCN ENGL 2331, 2332, 2333)

### **ENGL 2345**

#### **Introduction to Film (3-0)**

Prerequisites: ENGL 1310 and 1320. Film is the most prevalent art form in the world today. But do we know how to read it intelligently? In this course students will learn cinematic language, how to read film critically and how to ask productive questions about it, how to watch a film actively rather than passively, and how to write analytically about film. (Fall)

### **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)

### **ENGL 3310**

#### **Medieval English Literature (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. Provides a study of the prose and poetry of English literature from earliest Anglo-Saxon times to 1500. (Spring odd years)

### **ENGL 3313**

#### **World Literature (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. The course is a comparative study of representative literary masterpieces of major world literatures. Topics will vary. (Fall odd years)

### **ENGL 3320**

#### **English Renaissance (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. Topics include Shakespeare, Milton, and other major Sixteenth and Seventeenth-Century prose stylists, dramatists, and poets. (Fall odd years)

### **ENGL 3330**

#### **Restoration and 18th Century English Literature (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. 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 even years)

### **ENGL 3341**

#### **English Romanticism (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. 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 odd years)

### **ENGL 3342**

#### **The Victorian Period (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. Topics include major English poets and prose writers, 1830-1900, with emphasis on distinctive approaches to common artistic, intellectual, and social problems. (Fall even years)

### **ENGL 3345**

#### **Cinema Studies (3-0)**

Prerequisites: ENGL 1310 and 1320 and 2345, or permission of instructor. Some films stand the test of time, the work of some directors becomes iconic, and some films set the standard for particular film elements (sound, costume, dialogue, screenplay, etc.). What sets these films apart from all others? This course will vary, but may focus on a specific film genre, historical period, director, or technical approach. (Spring)

### **ENGL 3355**

#### **Writing, Shooting, and Editing a Short Film (3-0)**

Prerequisites: ENGL 1310 and 1320 and 2345. Students will study basic aspects of story structure, including character development, scene design, dialogue, etc., and will write an original screenplay for a short film (15-25 minutes in length). Students will then study basic principles of directing and camera work, and will recruit actors and film their screenplays. Students will study basic principles of editing and use professional software to edit their film which they ultimately will present to the class. This process will be repeated, so that during the semester each student creates two complete short films. Students will also consider experimental or avant-garde approaches to the short film and will be free to attempt such an approach in one or both of their films. (Fall)

### **ENGL 3371**

#### **Seventeenth- and Eighteenth- Century American**

**Literature (3-0)** Prerequisite: At least 1 23XX literature course, or instructor approval. The student examines Colonial writings from a critical and historical perspective, with an emphasis on important developments in religious, political, and social thought. (As needed)

### **ENGL 3372**

#### **Studies in Nineteenth-Century American Literature (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. Students examine the texts and contexts of selected major American nineteenth - century writers. (As needed)

### **ENGL 3373**

#### **Studies in Modern Literature (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. 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. (Fall odd years)

### **ENGL 3374**

#### **Studies in Contemporary Literature (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. 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)

### **ENGL 3380**

#### **Film and Literary Classics (3-0)**

Prerequisite: At least 1 23XX literature course, or instructor approval. 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. (Spring odd years)

**ENGL 3383**

**Theories of Composition (3-0)** Prerequisite: ENGL 1310, 1320 or permission of instructor. 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 even years)

**ENGL 3384**

**Grammatical Structure (3-0)** Prerequisite: ENGL 1310, 1320 or permission of instructor. Topics include an introduction to the current theory and practice of grammars of English. (Spring even years)

**ENGL 3385**

**Professional and Technical Writing (3-0)** Prerequisite: ENGL 1310, 1320 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 4345**

**Film Analysis (3-0)** Prerequisites: ENGL 1310 and 1320 and 2345. Course work and related content will develop the specifics of film analysis, theory, and the progression of film criticism. Content will focus heavily on developing students' interpretive techniques for film. Course concentration could vary from specific directors, to genres, to historical periods, etc. (Fall)

**ENGL 4355**

**Writing for Film (3-0)** Prerequisites: ENGL 1310 and 1320 and 2345, or permission of instructor. This is an introductory course in writing screenplays for full-length, dramatic films. Students study and discuss in class the principles of overall story design, character development, scene design, dialogue, etc. Students then apply these basic dramatic principles to conceiving and developing their own original screenplays. Because so much of the work of screenwriting is done before the actual drafting of the screenplay, this course focuses on the process of screenwriting: from developing an initial premise, to character exploration, to writing a treatment and step-outline, to writing a first draft. Students also learn and use correct formatting for their screenplays. (Fall)

**ENGL 4360**

**Literary Theory (3-0)** Prerequisites: ENGL 1310 and 1320, and at least one 2000 level Literature course and one 3000 level ENGL course. Surveys the development of major critical theories concerning literature. (Spring)

**ENGL 4365**

**Film Seminar (3-0)** Prerequisites: ENGL 1310 and 1320 and 2345. This is a capstone course for the Film Studies minor. The content of the course will vary, but emphasis will be on the analysis of film and the ways in which film produces meaning when examined using a variety of theoretical approaches. (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 4385**

**Seminar in Literary Studies (3-0)** Prerequisite: ENGL 4360 or Instructor approval. Each Spring, students and faculty in this capstone course will choose a particular topic, literary genre, and method of literary study and develop a portfolio of disciplined, innovative, and imaginative work which will demonstrate their achievements and abilities. (Spring)

**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: Junior or Senior standing, 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)

## **Undergraduate Course Descriptions**

### **ENTREPRENEURSHIP**

#### **ENTR 2310**

**Introduction to Entrepreneurship I (3-0)** Prerequisites: None. This course introduces students to the art of entrepreneurship. The course focuses on means-based understanding of entrepreneurship, including effectuation. The course discusses the creation of entrepreneurial opportunities and entrepreneurial improvisation. Specific modules include organizational entrepreneurship, community-based enterprises, emergency entrepreneurship, entrepreneurial creativity, entrepreneurial storytelling, and business canvassing. (Fall)

#### **ENTR 2320**

**Introduction to Entrepreneurship II (3-0)** Prerequisites: None. This course introduces students to the science of entrepreneurship. The course focuses on the economic foundations of entrepreneurship, specifically opportunity identification and discovery. Modules include historical understandings of entrepreneurship, Austrian economics, causation, corporate entrepreneurship, feasibility analyses, business planning, business pitches, and customer discovery. (Spring)

#### **ENTR 2330**

**Law for Entrepreneurs (3-0)** Prerequisites: ENTR 2310. This course starts by providing the basic building blocks of business law. The goal of the course is not to impart technical legal skills, but to enhance the judgment that students will bring to their responsibilities as entrepreneurs, managers in established companies, or consultants and advisors. (Spring odd years)

#### **ENTR 3310**

**Entrepreneurial Finance (3-0)** Prerequisites: ENTR 2310 and ENTR 2320. This course examines the elements of entrepreneurial finance, focusing on technology-based start-up ventures and the early stages of company development. The course addresses key questions that challenge all entrepreneurs: how much money can and should be raised; when should it be raised and from whom; what is a reasonable valuation of the company; and how should funding, employment contracts and exit decisions be structured. The course aims to prepare students for these decisions, as both entrepreneurs and venture capitalists. In addition, the course includes an in-depth analysis of the structure of the private equity industry. (Fall even years)

#### **ENTR 4310**

**Family & Prosaic Enterprises (3-0)** Prerequisites: ENTR 2310 and ENTR 2320. This course addresses entrepreneurial opportunities found in lifestyles and routines. Specific modules include starting and running family businesses, franchising, sharing economy entrepreneurship, and side businesses. (Fall odd years)

#### **ENTR 4320**

**High Growth Enterprises (3-0)** Prerequisites: ENTR 2310 and ENTR 2320. This course will address business ventures in the ideation and prototyping stages. Specific modules will include raising venture capital, technology entrepreneurship, grant writing, and advanced business pitching. (Spring even years)

#### **ENTR 4330**

**Senior Project Entrepreneurship (3-0)** Prerequisites: ENTR 2310 and ENTR 2320. In this course, final year students will work with one or more faculty and/or practitioner advisors to tackle a practice or theoretical-based problem in entrepreneurship. Key deliverables may include a research paper, receipt of a grant, and/or launching a new business or improving an existing business. (Each semester with graduating seniors in this major, as needed)

### **ENTR 4388**

**Internship in Entrepreneurship (0-3)** Prerequisites: ENTR 2310 and ENTR 2320 and 15 credit hours in the major. Students in this course will work with a start-up or small company for at least 120 hours during a semester under the supervision of a faculty member in the JSOB and a supervisor at the company for which they work. It is anticipated that the student will have completed at least 15 hours in their major. The internship must be approved by the dean of the JSOB and the faculty member supervising the project. Ultimately, while the requirements to complete the internship will be no different from other internships with the JSOB, the type of company will be. (Each semester if student projects are available, as needed)

### **ENVIRONMENTAL SCIENCE**

#### **ENVR 4350**

**Introduction to Geographic Information Systems (3-0)** Prerequisites: Completion of general education math and science or permission of the instructor. Required for Environmental Science majors. This course introduces students to the techniques of geographic information systems (GIS) which are widely used for land use planning, environmental management, and decision making. Students learn how to make digital maps (for spatial analysis) linked with database information (for attribute analysis). (As needed)

### **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 and ECON 2310 or 2320. 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: BUSI 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)** Prerequisite: Instructor approval. 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 Instructor. (Spring, Fall)

**FINC 4X95**

**Independent Studies (Variable Credit)** Prerequisites: Senior standing and Instructor approval. 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. (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)

**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)

## **Undergraduate Course Descriptions**

### **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 students interested in basic cardiorespiratory activities and in gaining a satisfactory level of physical fitness through various aerobic-related HFIT courses offered during this semester. (Fall, Spring)

### **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 1192**

**Circuit Training (0-3)** Prerequisite: HFIT 1210 or 1200. This activity course is available for 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 students interested in gaining a satisfactory level of physical fitness through HFIT exercise classes focused on improved cardiovascular endurance, flexibility and muscular strength and endurance. (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. Classes will meet one 1.5 hour lecture per week, with approximately 1.5 hours per week of physical activity. Computer use required. (Spring)

### **HFIT 1210**

**Fitness For Living (1-2)** 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, meet student demand, or observe special events.

## **HISTORY**

### **HIST 1300**

**Making History (3-0)** Prerequisite: None. This course will provide students with critical skillsets common to all aspects of historical inquiry. Students will be exposed to the basic elements of global geography, effective reading of historical sources, writing history well, as well as historical techniques for studying efficiently and analyzing historical sources. Required of all history majors, minors, and teaching fields. (Fall)

### **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) (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. (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. This course will examine basic ideas of leadership and virtue through examination of the lives and ideas of major figures in world history, as depicted in a mix of past and current motion pictures. 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. This course will examine basic ideas of leadership and virtue through examination of the lives and ideas of major figures in United States history, and depicted in a mix of past and current motion pictures. 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: HIST 1300. Cultural, social, economic, and political history of Spain in Texas, Mexican Texas, the Republic, 19th and 20th century developments; minorities in Texas; geography of Texas. (Spring even years)

### **HIST 3331**

**Modern Britain (3-0)** Prerequisites: HIST 1300 and 6 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. (As needed)

### **HIST 3351**

**The Creative American Republic, 1787-1848 (3-0)** Prerequisites: HIST 1300 and 6 hours 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: HIST 1300 and 6 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 freed-men into society. (Fall even years)

**HIST 3354**

**Modern America (3-0)** Prerequisites: HIST 1300 and 6 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 20<sup>th</sup> century. (Fall even years)

**HIST 3360**

**Renaissance and Reformation (3-0)** Prerequisites: HIST 1300 and 6 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. (As needed)

**HIST 3363**

**Nineteenth Century Europe (3-0)** Prerequisites: HIST 1300 and 6 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. (As needed)

**HIST 3364**

**Twentieth Century Europe (3-0)** Prerequisites: HIST 1300 and 6 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. (As needed)

**HIST 3375**

**Mexico (3-0)** Prerequisites: HIST 1300 and 6 hours of lower-level history or permission of instructor. The history of Mexico from prehistoric times to the present: political, economic, social, and intellectual development; United States-Mexican relations. (Spring even years)

**HIST 3377**

**Historiography and Methods (3-0)** Prerequisite: HIST 1300. 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 4330**

**The Wild West (3-0)** Prerequisites: HIST 1300 and 6 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: HIST 1300 and 6 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: HIST 1300 and 6 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: HIST 1300 and 6 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. (As needed)

**HIST 4365**

**Modern Germany (3-0)** Prerequisites: HIST 1300 and 6 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. (As needed)

**HIST 4375**

**Special Topics in World History (3-0)** Prerequisites: HIST 1300 and 6 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** Prerequisites: HIST 1300 and 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: HIST 1300 and 6 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: HIST 1300, 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)

## **Undergraduate Course Descriptions**

### **HIST 4X97H**

**Senior Thesis** Prerequisites: HIST 1300 and 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)

## HUMAN HEALTH SCIENCE

### **HHSC 1310**

**Intro to Nutrition** Prerequisites: None. This course introduces general nutritional concepts and is a foundational course for HHSC majors, but is open to all majors. This course is ideal for any student wishing to learn more about nutrition, how to make healthy food choices, follow healthy guidelines, and be able to separate nutritional fact from fiction. (Fall, Spring)

### **HHSC 3100L**

**Research Teams Lab** Prerequisites: Approval of instructor. Intended for Human Health Science majors. This course involves active research under the supervision of HHSC faculty members in which students contribute to on-going research as a member of the research team; projects may be multidisciplinary in nature. May be taken up to four times for credit and no grade less than a B is acceptable for continuation in subsequent semesters. Requires approval by the instructor. (Fall, Spring)

### **HHSC 3110**

**Junior Seminar** Prerequisites: HHSC 1310, BIOL 2401, BIMS 2105, 3205. This course is required for majors in Human Health Science. This course is intended to assess student progress in scientific knowledge, to grow student experience with scientific literature, to prepare students for entrance into their capstone experiences, and to explore post-graduation options related to their major. Students will take the Junior Exam designed for their major in this course. (Fall, Spring)

### **HHSC 3310**

**Intro to Public Health** Prerequisites: None. As a survey of the entire field of public health, the course provides a broad overview for students by introducing the major historical and contemporary issues related to managing and supporting public health. (Spring)

### **HHSC 3320**

#### **Contemporary Issues In Research and Healthcare**

Prerequisites: None. A required course for the Human Health Science Public Health and Wellness concentration, and an elective course for the Medical & Research and the Allied Health Professions concentrations. This course is designed to explore emerging news and current issues in biomedical research and human healthcare, the underlying science, and their potential impact on research and decision making in healthcare professions in the future. (Spring)

### **HHSC 3440**

**Human Genetics** Prerequisites: 12 hours of BIOL and/or CHEM. Designed for Human Health Science majors. A study of classical principles of human and medical genetics and genomics as applied to human health and disease. (Spring)

### **HHSC 4101**

**Scientific Communication** Prerequisite: HHSC 4201 or concurrent enrollment in HHSC 4201. An introduction to methods of scientific communication, 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. (Spring)

### **HHSC 4201**

**Senior Capstone** Prerequisites: HHSC 1310, 3310, BIMS 2105, 3205, BIOL 2401. Can concurrently enroll in HHSC 4101. This course, combined with HHSC 4101 Scientific Communication, is an option for fulfilling the Capstone Experience requirement for graduation with the Human Health Science major. Participation in a capstone experience integrates knowledge from coursework and culminates in observations, data handling, and analysis. Capstone experiences may consist of original research, summer research experiences, or other appropriate activities. (As needed)

### **HHSC 4X88**

**Internship in Human Health Science** Prerequisites: HHSC 3110. This course is an option to fulfill the graduation requirements for a Capstone Experience in Human Health Science. An on-the-job work experience under the supervision of professionals in private or public agencies appropriate to the student's discipline. (As needed)

### **HHSC XX95**

**Independent Study** Prerequisites: Permission of instructor: A student 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, ways of attaining those goals, a schedule for frequent consultation, and means of measuring progress. (As needed)

### **HHSC 4X96H**

**Honors Research** Prerequisite: Permission of instructor. This course is designed for Human Health 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 for credit. (As needed)

### **HHSC 4X97H**

**Honors Tutorial** Prerequisite: HHSC 4X96\*. Designed for Human Health Science Honors participants. This course provides an opportunity to pursue a research topic under the direction of a faculty member, resulting in a final presentation to an appropriate audience. (As needed)

### **HHSC XX99**

**Special Topics** Prerequisites: 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. (As needed)

## 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 3325**

**HTML and Web Design (3-0)** Prerequisites: None. Students will use graphic editing software to create web pages. (Fall)

**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)

**INTERNATIONAL BUSINESS****IBUS 2310**

**Foundations of International Business (3-0)** Prerequisites: BUSI 1310. This course provides an overview of the environment, concepts, and characteristics involved in international business. Topics include forms of foreign involvement, international trade theory, governmental influences on trade and strategies, international organizations, multinational corporations, personnel management, and international marketing. Upon completion, students should be able to describe the basic tenets of international business. (Fall, Spring)

**IBUS 3355**

**Study Abroad I (3-0)** Prerequisites: None. This course reflects travel abroad for periods from ten days to an entire semester. May be repeated for credit depending on the length of time abroad and specific characteristics of the trip. (Fall, Spring, as needed)

**IBUS 4355**

**Study Abroad II (3-0)** Prerequisites: None. This course reflects travel abroad for periods from ten days to an entire semester. May be repeated for credit depending on the length of time abroad and specific characteristics of the trip. (Fall, Spring, as needed)

**IBUS 4388**

**Internship in International Business (0-3)** Prerequisites: 15 credit hours in major and junior standing. Students in this course will work with an internationally oriented company for at least 120 hours during a semester under the supervision of a faculty member in the JSO and a supervisor at the company for which they work. (As needed)

**KINESIOLOGY****KINE 2211**

**Coaching and Officiating 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 and Officiating 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 and Officiating Volleyball (2-0)** Prerequisites: None. Examines strategies for coaching volleyball at the secondary school and collegiate levels. Covers rules and regulations, fundamentals, organizational principles, scouting, technical tactics and other topics. (Fall)

**KINE 2214**

**Coaching and Officiating 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)

**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 assessments. Course seeks to develop confidence of the athletic training students in injury recognition through use of evidence and patient based assessment techniques. (Fall odd years)

**KINE 2330**

**Foundations of Exercise Science (3-0)** Prerequisites: None. An introduction to the various areas of exercise science and human performance careers, including historical background, professional opportunities, present status, individual awareness of professional responsibilities and familiarization with current trends and issues in Exercise Science and Sport. Computer use required. (Fall, Spring)

## **Undergraduate Course Descriptions**

### **KINE 2335**

**Accident Prevention and Care of Injuries (3-0)** Prerequisites: None. A study of accident prevention as related to physical education and sports, with emphasis on current theory of movement dysfunction and correction, and care of athletic injuries. (Fall, Spring) (TCCN PHED 2356)

### **KINE 3100**

**University Interscholastic League Rules (1-0)** Prerequisite: None. A focus on the rules governing Texas high school athletics as set by the University Interscholastic League. Emphasis is on guidelines for member schools, coaches and athletes. (Spring)

### **KINE 3180**

**Athletic Training Practicum** Prerequisites: Sophomore standing with ESHP major). An interactive observational lab emphasizing clinical knowledge and skills. Provides students the opportunity to observe and learn appropriate skills in a supervised clinical environment. (Fall, Spring)

### **KINE 3245**

**Writing Using APA Style (2-0)** Prerequisites: ENGL 1310, 1320, and KINE 2330 or 2335. A 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. (Fall)

### **KINE 3300**

**Statistics for Measurement and Evaluation In Kinesiology (3-0)** Prerequisites: KINE 2330 or 2335, 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 3321 or 3365. A 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: HFIT 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)** Prerequisite: "C" or better in 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. (Fall, Spring)

### **KINE 3325**

**Biomechanical Kinesiology (3-0)** Prerequisites: Any lab science, MATH 1311 or higher, and Junior or Senior standing. 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. (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 odd years)

### **KINE 3331**

**Personal and Community Health (3-0)** Prerequisite: HFIT 1200 or HFIT 1210. A study of health and wellness principles and methods. Specific emphasis is placed on maintaining personal health in a full and productive life that contributes to the health of others in the community. (Fall, Spring)

### **KINE 3340**

**Instructional Strategies for Elementary School Physical Education (2-1)** Prerequisite: 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 odd years)

### **KINE 3341**

**Movement and Rhythmic Activities For Children (1.5-1.5)** Prerequisite: None. A 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. (As needed)

### **KINE 3350**

**Instructional Strategies for Secondary School Physical Education (2-1)** Prerequisite: 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 3360**

**Responding to Emergencies (3-0)** Prerequisite: None. This course is a comprehensive semester-long lay responder program designed to help participants recognize and respond to cardiac (AED & CPR), breathing, and first aid emergencies. The American Red Cross courses in this program teach the knowledge and skills needed to give immediate care to an injured or ill person and to decide whether advanced medical care is needed. (Fall)

**KINE 3365****Functional Anatomy (3-0)** Prerequisites: KINE 2330 or 2335.

A study of human anatomical structure, fundamentals, and basic principles of movement, with primary emphasis on applicable use in instructional settings. (Fall, Spring)

**KINE 3370****Principles of Rehabilitation (3-0)** Prerequisites: KINE 2335 or 3321.

Provides the students with the general principles, objectives, and goals of rehabilitation programs. The course will emphasize the basic components of therapeutic exercise with a comprehensive guide to the design, implementation and supervision of rehabilitation programs for sports-related injuries and currently acknowledged sports medicine practices. (Spring even years)

**KINE 4100****Applied Pharmacology for Athletic Trainers (1-0)**

Prerequisites: Senior standing, or permission of the Director for Athletic Training and completion of BIOL 2401 or BIOL 2402, or KINE 4320. General pharmacology of drugs acting on the autonomic, cardiovascular, and central nervous systems. Included are principles governing drug-receptor interactions, dose-response relationships, desensitization, and tolerance. Required for all ESHP majors with athletic training emphasis. (Spring odd Years)

**KINE 4120**

**Pedagogical Apprenticeship (0-3)** Prerequisites: Senior standing and successful completion, with a "C" or better, in four 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)**

Prerequisite or Corequisite: 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 cardiorespiratory endurance, body composition, blood pressure, pulmonary function, heart activity, and body shape are included. Statistical treatments and analyses are employed. (Fall, Spring)

**KINE 4315****Exercise Physiology for Education Professions (3-0)**

Prerequisites: any lab science. This course investigates the effects of chronic and acute exercise on human physiological functions. Emphasis is given to factors affecting athletic activities, individual performance, and functional health. (Fall)

**KINE 4320****Physiology of Exercise (3-0)** Prerequisites: KINE 3321, 3365 or BIOL 2401, and junior or senior standing, or permission of instructor.

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 and 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 even years)

**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. (Spring)

**KINE 4345****Experimental Research and Writing in Exercise Science (3-0)**

Prerequisites: KINE 3245 and 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)

**KINE 4350**

**Manual Therapy (3-0)** Prerequisites: KINE 2335 or 3321. Provides the student with theory and experience of manual therapy techniques utilized to treat, evaluate, and manipulate the soft tissues of patients. The course will define manual therapy and research different manual therapy techniques. (Fall even years)

**KINE 4388****Internship (0-9 contact hours in work setting)** Prerequisites:

75 semester hours and permission of instructor. 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 Sports and Wellness Leadership major. (Fall, Spring)

**KINE 4X95**

**Independent Studies** Prerequisites: Twelve semester hours and permission 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. (As needed)

**KINE 4X96H**

**Honors Tutorial** Prerequisite: Permission of instructor. A course of study for the honors student, designed to supplement other kinesiology courses. The study will require greater depth than attempted in other kinesiology courses, and perhaps on a topic not previously covered. (As needed)

**KINE 4X97H**

**Honors Thesis** Prerequisite: Permission of instructor. Designed for honors students in Kinesiology. This course provides opportunity to complete research on a topic, write a final paper, and present findings to an appropriate audience. (As Needed)

**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. (As needed)

## **Undergraduate Course Descriptions**

### **MATH**

#### **MATH 1013D**

**Introductory Algebra (3-1)** 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. Required for students whose academic placement results indicate a need for additional skill development. Upon successful completion of MATH 1013D, the student will be enrolled in MATH 1023D. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

#### **MATH 1023D**

**Intermediate Algebra (3-1)** Prerequisite: Successful completion of MATH 1013D Introductory Algebra or demonstrated mastery of the concepts covered in MATH 1013D. The curriculum includes a review of introductory algebra concepts, quadratic equations, factoring, rational expressions, complex fractions, roots, radicals, absolute value equations and inequalities, and functions. Required for students whose academic placement results indicate a need for additional skill development. Upon successful completion of MATH 1023D, the student will be enrolled in MATH 1311. This is the first course in the Accelerated College Algebra series. Laboratory time is required. The semester credit for this course does not apply to credit hours required for graduation. (Fall, Spring)

#### **MATH 1311**

**College Algebra (3-0)** Topics covered in this course include linear and quadratic functions, systems of linear equations and matrices, exponential and logarithmic functions, inequalities, and linear programming. A graphing calculator is recommended. Some students will be required to take MATH 1023D 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 MATH 1023D before being allowed to take this course according to McMurry's academic placement 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 recommended. This course is a prerequisite for Calculus I. (Fall, Spring) (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, 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, antiderivatives, 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 (7-12). 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 I Alternative Certification Program only) (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) (Summer II Alternative Certification Program only) (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 clinical 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. (As needed)

**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. (As needed)

**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. (As needed)

**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. (As needed)

**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. (As needed)

**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)

## **Undergraduate Course Descriptions**

### **MGMT 3320**

**International Management (3-0)** Prerequisites: None. This course provides an understanding of how the economic, geopolitical and cultural dimensions of the international business environment shape international business investment and transactions, and how international firms manage in this environment. The course provides students with an appreciation of the increased complexities and opportunities that international markets provide vis-à-vis operations exclusively in a home market. Key issues covered in this course include market selection, modes of entry and operations, strategy choices on where abroad to operate and by what means, capability building for international advantage, structuring firms for organizational form advantage, consideration of alternative systems of exchange abroad, decision taking in risky and uncertain international contests and managing under adverse conditions. Both smaller and large firm internationalization is a feature of this course. (Spring odd years)

### **MGMT 3330**

#### **21st Century Leadership: New Ways of Thinking about**

**Change and Conflict (3-0)** Prerequisites: None The course emphasizes the role of leadership as a change agent and conflict negotiator. Different styles of leadership will be examined as to how each of these styles is effective or ineffective in change and conflict processes. A focus from multiple perspectives will prepare students for lives of leadership, service, and professional success. (Spring even years)

### **MGMT 3370**

#### **Operations Management (3-0)** Prerequisites: MGMT 3310.

Required for students majoring 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)

### **MGMT 3390**

#### **Human Resources Management (3-0)** Prerequisite: MGMT

3310. Required for students majoring 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 majoring 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 major. 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 4340**

#### **Supply Chain Management (3-0)** Prerequisites: MGMT 3310.

This course focuses on the acquisition of materials and the delivery processes. Special emphasis is on decision making that aligns the supplier network and the acquisition and delivery processes with organizational goals and strategies to ensure short- and long-term value for funds spent. Supply Chain Management (SCM) includes various topics such as: Purchasing/Procurement, Sourcing (global and domestic), Supplier Relationships, Logistics/Transportation, Inventory Management, Contract Management and Negotiation, Information Systems, Cost Management, and Trends. Exposure to technical software will enable students to develop competencies in SCM. (Fall odd years)

### **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 aspects 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 3385**

**International Marketing (3-0)** Prerequisites: None. Students explore all aspects of marketing from a global perspective to respond better to international opportunities and competitive situations. Topics include an overview of international marketing; social, cultural, political, and legal environments; international market-entry opportunities; planning and managing market entry strategies and products; global distribution and pricing; international promotion, sales, and negotiation, and international market planning. (Fall even years)

**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 AND 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 keyframe animation software 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 I (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 THRE 3310. (Fall)

**MMAP 3320**

**Web Design (3-0)** Prerequisites: None. Students will use graphic editing software and web-based applications utilizing programming language models to create web pages.

**MMAP 3340**

**Digital Video II (3-3)** Prerequisite: MMAP 3310. An advanced course in capturing digital video for use in non-linear editing software. Students will apply editing techniques, key-framing, titling, transitions, filters, as learned in previous course, as well as compositing and chroma-key effects in Premiere and After Effects, to create videos and short films. (Spring even years)

**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. (As needed)

**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. (As needed)

## **Undergraduate Course Descriptions**

### **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. (Fall, Spring)

#### **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)

#### **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. Corequisite: 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. Corequisite: 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 class-room. 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 even years)

**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 beginning 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 lesson 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. 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. (Fall odd years)

**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)

## **Undergraduate Course Descriptions**

### **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 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: MUTH 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: M LH 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 semesters. Music Education majors are exempt from this requirement during their semester of clinical 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 3000**

**Junior Recital** Prerequisites: Admission as a music major, or permission of the instructor. Permission of the applied instructor and a recital hearing are necessary requirements for performing this recital. See #8 under Department of Music section of the catalog. In addition to performing a degree-required Senior Recital, students have an option of presenting a Junior Recital that is not required for a degree.

### **MUSI 4000**

**Senior Recital** Prerequisites: Admission as music major, or permission of instructor. See # 8 on page 124.

**MUTH 1130**

**Aural Skills I** Prerequisites: Admission as music major, or permission of instructor. Corequisites: MUTH 1130, 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 (2-1)** 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. (Spring, Summer, Fall)

**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. (Spring, Fall)

**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. (Fall, Spring, Summer)

## **Undergraduate Course Descriptions**

### **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. (Spring, Fall)

### **NURS 3410**

**Pathophysiology (4-0)** Scientific concepts related to pathophysiological process: genetic, cellular, biochemical, and disease processes in specific body systems will be discussed. (Spring, Summer, Fall)

### **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. (Fall, Spring)

### **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, Spring)

### **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. (Fall, Spring)

### **NURS 4335**

**Community and Public Health Nursing (2-1)** The focus of this 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. (Spring, Fall)

### **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. (Spring, Fall, Summer)

### **NURS 4352**

**Leadership and Management (3-0)** This course involves principles of professional nursing that provide the student opportunities to synthesize and integrate learning experiences with contemporary practice. Health care as it is delivered in the United States today will be examined by considering the organizational sociopolitical, economics, legal, and cultural context on which health care delivery is based for the practicing profession. (Spring, Fall, Summer)

### **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. (Spring, Summer, Fall)

### **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. (Spring)

### **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. (This course is offered to RN-BSN students only.) (Summer)

### **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. (This course is offered to RN-BSN students only.) (Spring)

### **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. (This course is offered in an online delivery format to RN-BSN students only.) (Fall, Spring, Summer)

**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. (Online) (Spring, Fall)

**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. (Spring)

**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. (Spring)

**NURS 4374**

**Clinical Nutrition (3-0)** Review normal nutrition; focuses on an in-depth presentation of clinical nutrition and diet strategies to manage disease. (Fall, Spring, Summer)

**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. (Online to satisfy Public Health minor.)

**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. (Online to satisfy Public Health minor.)

**NURS 4435**

**Community and Public Health Nursing (3-1) [This course is for RN-BSN students only]** Prerequisites: NURS 4360, 4343, 4352 and 4364. The focus of this 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. (Fall, Spring, Summer)

**NURS 4453**

**Professional Nursing Practicum (1-3)** The course provides a comprehensive didactic and clinical experience for the nursing student. It is designed to facilitate the transition from student to professional nurse. Students will have multiple opportunities to synthesize and integrate previous learning through didactic and clinical activities. This course is pass/fail. (Spring)

**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 to satisfy Public Health minor.)

**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. (Online to satisfy Public Health minor.)

**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. (Online to satisfy Public Health minor.)

**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: Medical / Surgical 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. (Spring, Fall)

**PHILOSOPHY****PHIL 2350**

**Introduction to Philosophy (3-0 )** Prerequisites: None. For all students. 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. 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 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 logistic systems. (Spring even years)

**PHIL 3330**

**Freedom and Responsibility (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)

**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. (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 (2-3)** Prerequisite: MATH 1311. 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: PHYS 2520 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. (Fall even years)

**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. (Spring odd years)

## **Undergraduate Course Descriptions**

### **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)

### **PHYS 3352**

**Digital Electronics (2-1)** Prerequisite: PHYS 3350. 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. (Fall odd years)

### **PHYS 4175**

**Physics Research Proposal (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 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. (Fall odd years)

### **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. (Spring even years)

### **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. (Fall even years)

### **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, Max-well's equations, and radiation. (Spring odd years)

### **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, Schroedinger's equation and its applications, barrier problems, harmonic oscillators, angular momentum, and applications to atomic and molecular processes. (Spring even years)

### **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. (Spring odd years)

### **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. (Fall odd years)

### **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 XX95**

**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. (As needed)

**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)

**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.

**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**

**Texas Politics: Rural v Urban (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 2340**

**Comparative Politics (3-0)** Prerequisites: POSC 1310. 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., U.K. and France), communist and post-communist countries (e.g., Russia and China), and less developed countries. The U.S. is used as a reference for comparison across all three categories. (Fall)

**POSC 2345**

**International Relations (3-0)** Prerequisites: POSC 1310. 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 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 1310, 2310 or permission of instructor. 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 334(A-Z)**

**Politics Outside the Box (3-0)** Prerequisite: POSC 1310 or 2350 or permission of instructor. 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 3360**

**Modern Political Philosophy (3-0)** Prerequisite: POSC 1310. 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 21<sup>st</sup> 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)

## **Undergraduate Course Descriptions**

### **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 1310, 2310 and at least 1 junior level POSC course, or permission of instructor. 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 1310, 2310 and at least 1 junior level POSC course, or permission of instructor. 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 inter-nationally 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 1310, 2310 and at least 1 junior level POSC course, or permission of instructor. 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**

**Globalization (3-0)** Prerequisite: POSC 1310 and junior or senior standing. Optional for majors and minors. This course examines the philosophical and political 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 and directed by the US. Contemporary topics include the WTO and regional trading blocks, and their impact on the global economy. (Fall odd years)

### **POSC 4365**

**Political Change, Movement, & Struggle (3-0)** Prerequisites: POSC 1310, 2310 and at least 1 junior level POSC course, or permission of instructor. 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.

## **PREP FOR HEALTH CARE FIELDS**

### **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, Subterm I)

### **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. (Fall, Subterm II)

## 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 nursing 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 2370**

**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 inter-personal events and cultural forces can affect attitudes, social learning, perception, and communication by the individual and the group. (Fall, Spring) (TCCN PSYC 2326)

### **PSYC 3301**

**Principles of Learning (3-0)** Prerequisite: PSYC 1340. Intended as an elective for psychology majors and minors and other interested students. This course is a survey of the research, principles, and theories of human learning. Topics include classical and operant conditioning, cognitive and social learning theories, motivation, and the neurobiological bases 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**

**Psychology of Language (3-0)** Prerequisites: None. Counts as an elective for Psychology majors and minors. The course focuses on defining the nature of human language and communication, and the psychological, neurological, and social foundations of language and language pathology. (Spring)

### **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 3328**

**Parenting (3-0)** Prerequisites: PSYC 1340. This course is an upper level elective for students majoring in the general psychology and counseling & human development concentration in the psychology major. It also counts as an elective for the psychology minor. This course examines theory, research and practice related to the parent child-relationship. The course focuses on effective parenting across developmental stages and in varying circumstances. (Spring even years)

### **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. (Fall)

### **PSYC 3335**

**Healthy Relationships (3-0)** Prerequisites: PSYC 1340. Required for the counseling and human development concentration for the psychology major. An elective for psychology majors, minors, and other interested students. This course provides an introduction to close relationships based upon social psychology theory and current family studies research. Topics include relationship development, relationship processes (including love, sexuality, and maintenance), and relationship dissolution. Types of relationships explored include friendships, romantic relationships, family relationships, and diverse relationships. (Fall even years)

### **PSYC 3345**

**Sleep and Dreams (3-0)** Prerequisites: PSYC 1340. This course is an upper level elective for students majoring in general psychology or neurocognitive psychology, or minoring in psychology or neurocognitive psychology. This course addresses the latest findings from sleep research. This course examines states and stages of the nightly sleep cycle, neurology of sleep and the brain's circadian clock, consequences of sleep deficit, possible role of dreams, sleep changes across the human life span, comparisons between sleep functions in humans and other species, connections between sleep, learning and memory, sleep disorders, and possible therapies and treatments of sleep disorders. (Spring odd years)

### **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. (Spring odd years)

## **Undergraduate Course Descriptions**

### **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 whole- some 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. (Spring even 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. (Spring)

### **PSYC 4300**

**Abnormal Psychology (3-0)** Prerequisites: PSYC 1340 and junior or senior standing. This course is designed for all per- sons 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 dis- orders, 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 psycho- logy, 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 ad- ministration 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. (Spring)

### **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. (As needed)

### **PSYC 4325**

**Cognitive Psychology (3-0)** Prerequisites: PSYC 1340 and 2360 and 3340. Required for the psychology major. An elective for all other students who meet the prerequisites. This course examines basic and higher order cognitive processes that collectively form human intellectual abilities. Topics covered in this course include perception and pattern recognition, attention, neurological foundations of cognitive processes, memory, language, categorization, cognitive maps, problem solving and creativity, reasoning, and decision-making. (Spring)

### **PSYC 4328**

**Marriage and Family Therapy (3-0)** Prerequisites: PSYC 1340, and three additional advanced hours in PSYC, and junior or senior standing. An elective for the counseling and human development concentration for the psychology major. Also an elective for psychology major, minors, and other interested students. This course provides an overview of the major theories of marriage and family therapy. Some of the ethical, value, and legal issues related to counseling families are also discussed. Additional topics explored include family development, family systems theory and thinking, diversity in family systems, and the history of marriage and family therapy. (Fall odd years)

### **PSYC 4330**

#### **Great Ideas of Psychology: History & Systems (3-0)**

Prerequisites: PSYC 1340. An elective for psychology majors, minors, and other interested students. This course investigates the interesting historical development of the field of psychology and its theories. The course emphasizes both the continuity of ideas and the changes in those ideas as the field of psychology has evolved. Various historical and contemporary schools of thought in psychology are examined. (Spring)

### **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. (Fall)

### **PSYC 4345**

**Physiological Psychology II (3-0)** Prerequisites: PSYC 1340 and 4341. Recommended prerequisite: BIOL 1401. Required for the neurocognitive track for the psychology major and for the neurocognitive psychology minor. An elective for all other students. This course is a continuation of PSYC 4341, Physiological Psychology I, and examines the processes by which biological processes influence human behavior. Topics covered in this course include anatomy and physiology of the brain and nervous system and how they affect psychological processes such as consciousness, thinking, intelligence, regulation of internal states, motivation, sensations, and symptoms of mental disorders. (Spring)

### **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. (Fall odd years)

**PSYC 4375**

**Counseling 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 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 cap-stone 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. 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-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. (Required for EC-6 certification) (Fall, Spring, Summer)

**READ 3315**

**Children's Literature I (3-0)** A course designed to introduce the student to many works of high-quality children's literature with emphasis on award-winning selections. Includes a study of literary elements, information about choosing appropriate literature for elementary students at various levels of reading development, and a survey of seven genres of children's literature. Special emphasis on use of children's books in elementary grades. (Fall, Spring.) (Required for EC-6 certification)

**READ 3316**

**Children's Literature II (3-0)** 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)

## **Undergraduate Course Descriptions**

### **READ 3332**

**Teaching Disciplinary Literacy 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. (Required for EC-6 certification) (Fall, Spring)

### **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 7-12 (3-0)** Prerequisite: Junior standing. Methods for teaching reading in grades 7-12 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**

**Teaching Disciplinary Literacy Grades 7-12 (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**

**Balanced Literacy 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. (Required for EC-6 certification) (Fall, Spring)

### **READ 4310**

**Language Foundations (3-0)** Prerequisites: READ 3300 and 3334. 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. (Required for EC-6 certification) (Fall, Spring, Summer)

### **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 Weisel 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. (Fall)

### **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)

**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. (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 Wold section. The course surveys selected major religions with some considerations of their founders, their major concepts, their historical development and influence. (Fall, Spring)

**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. (Spring odd years)

**RELI 2370****Religious Belief and its Critics (3-0)** Prerequisites: None.

This course explores the question of the rationality of religious belief, assessing cases made by critics and proponents from theological and philosophical perspectives and exploring the relation between reason and faith. (Fall)

**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)** Pre-

requisites: 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. (Spring odd years)

**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 3345****Global Christianity (3-0)** Prerequisite: RELI 1330. This course

focuses on the historical and contemporary experience of Christian communities in relationship with other faith communities in the Middle East, Africa, and Asia. Students will explore: the history and current state of Christian-Muslim relations; the interaction of Nestorian Christians with Buddhism, Taoism, and other traditions in China; the relationship between Hinduism and Christianity in India; the interreligious dynamics of the current growth of Christianity in the developing world; and other past and present developments germane to the interaction of Christians with adherents of other religions. (Spring even years)

**RELI 336(a-k)****Advanced Church History Topics** Prerequisites: RELI 1330

or permission of instructor. This course involves intensive study of a particular topic in Church history including, but not limited to, Ancient & Medieval church history, formation of the Biblical canon and its interpretation in history, major theological figures in history, Anglicanism & Methodism, and Monasticism. The content of the course will be specified each time the course is offered. (Fall)

**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 Wiesel (3-0)**

Prerequisites: None. 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 ENG 4309. (May)

## **Undergraduate Course Descriptions**

### **RELI 4315**

**Reformation Theology (3-0)** Prerequisites: RELI 1330. A study of the theology of the major Protestant reformers (Luther, Calvin, Zwingli) with special attention to the theological anthropology, Christology, and the nature of salvation.

### **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 4325**

**Modern Theology (3-0)** Prerequisites: RELI 1330. A study of the seminal figures in post-Enlightenment theology to the present. Representative figures include Schleiermacher, Hegel, Kierkegaard, Barth, Tillich, and Rahner.

### **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. Spring even years)

### **RELI 4355**

**Interfaith Leadership (3-0)** Prerequisite: RELI 2350. Interfaith understanding and leadership are becoming necessary in virtually every profession. Due to increasing religious diversity in the U.S., teachers, nurses, physicians, businesspersons, coaches, and others will serve and work with the religious "other." This course helps students to develop the vision, knowledge, and skills to be cooperative citizens and effective professionals in interfaith contexts. Attention will be given to strengthening a sense of security in one's own religious identity combined with understanding of other religious identities. (Spring even years)

### **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 1305**

**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)

**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 "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.

## SOCIOLOGY

**SOCI 1310**

**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 majors and minors, criminology majors, and nursing majors. Core sociological insights and concepts such as social institutions, control, stratification, and socialization are overviewed. (Fall, Spring, Summer) (TCCN SOCI 1301)

**SOCI 1320**

**Sociological Investigations (3-0)** Prerequisites: SOCI 1310 or permission of instructor. This offering is required for sociology majors and minors, and criminology majors. The course is oriented toward providing the student with a deeper understanding of the sociological perspective and the discipline of sociology. Select works by sociologists will be examined pertaining to the methodological, theoretical, and practical contributions. (Spring)

**SOCI 2310**

**World Societies I (3-0)** Prerequisites: None. This course can be used as a sociology major or minor elective. 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)

**SOCI 2320**

**World Societies II (3-0)** Prerequisites: None. This course can be used as a sociology major or minor elective. 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. (Spring)

**SOCI 2350**

**Social Problems (3-0)** Prerequisites: None. This course can be used as a sociology major or minor elective. 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 1310 and 1320, or permission of the instructor. Sociology and criminology 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 1310 and 1320, 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 3330**

**Social Stratification (3-0)** Prerequisites: SOCI 1310 and 1320, or permission of instructor. This course is required for sociology majors and minors, and criminology 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 3340**

**Social Psychology (3-0)** Prerequisites: None. This is an advanced elective for 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. (As needed)

**SOCI 3350**

**Race and Ethnicity (3-0)** Prerequisites: SOCI 1310 and 1320, or permission of instructor. This course is required for sociology majors and minors and criminology 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. (Spring)

## **Undergraduate Course Descriptions**

### **SOCI 3360**

**Marriage and the Family (3-0)** Prerequisites: None. This course is an advanced elective for sociology majors or minors and all interested students. Types of family organization, husband-wife and parent-child relationships, and the impact of social change on family life are studied. (Spring)

### **SOCI 3362**

**Aging and Society (3-0)** Prerequisites: None. This course is an advanced elective for sociology majors and minors. It addresses aging as a life course process, age as an important social status, and aging as it relates to societal demographics and individual experiences. Students are introduced to the way in which social and cultural contexts shape the physical, psychological, and relational dimensions of aging in society. They are also introduced to the concept of an aging society and the ways that the growing number of older adults affects the institutions and systems of society. (Spring even years)

### **SOCI 3370**

**Gender and Society (3-0)** Prerequisites: SOCI 1310 and 1320, or permission of instructor. This course is required for sociology majors and minors, and criminology 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. (Fall)

### **SOCI 3380**

**Native American Spiritual Practices (3-0)** Prerequisites: None. This course is an introduction to Native American religions and spirituality. It focuses on the diverse religious communities of North American Indians with a special emphasis on myths, rituals, and beliefs ranging from individual practices to organized religions. (Spring even years)

### **SOCI 3X86**

**Social Issues Travel Course (Variable Credit)** Prerequisites: None. This course is designed for anyone interested in sociology. It is an advanced elective for sociology majors and minors. The focus is to examine a social issue with major historical impact that also influences current society. The course includes travel to sites that are central to understanding the social issue explored. The social issue could vary for each offering and may include civil rights in the 1960s, Native American rights, immigration and the Texas/Mexico border, and others as identified by the sociology faculty. (Spring as needed)

### **SOCI 4330**

**Sociology of Religion (3-0)** Prerequisites: SOCI 1310 or RELI 2350 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 4342**

**Power and Religion (3-0)** Prerequisites: SOCI 1310 or RELI 2350. This course examines various religious institutions and the role of religion in intergroup power struggles. In the course, students will explore the way in which dominant groups use religious value systems as legitimizing rationales for oppression and violence against other groups. The students will contrast those stories with evidence of the ways in which values from the same religious traditions provide a foundation for intergroup cooperation and peacebuilding. Various religious traditions will be explored, which may include Christianity, Islam, Judaism, Hinduism, or others. (Fall odd years)

### **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 4X88**

**Internship in Sociology (Variable Credit)** Prerequisites: SOCI 1310 and junior or senior standing. Intended as an upper level elective for sociology majors. A pre-approved and supervised work experience designed to supplement academic training. 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 Sociology faculty by October 1 for spring semester placement and by March 1 for fall semester placement. (Fall, Spring)

### **SOCI 4X95**

**Independent Studies (Variable Credit)** Prerequisites: SOCI 1310 and 6 additional hours in sociology. This course is an advanced elective for sociology majors or minors. This offering is an arrangement between the student and instructor of 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. (By arrangement)

### **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)

### **SOCI XX99**

**Special Topics (Variable Credit)** Prerequisites: SOCI 1310 and 1320 or permission of instructor. 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.

## **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, online, 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, online, 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)** Cross-listed 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 in-depth 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 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 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)

**THEATRE****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) (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)

**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. (Spring even years) (TCCN DRAM 2336)

**THRE 2330**

**Acting I (3-0)** Prerequisite: None. 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)

## **Undergraduate Course Descriptions**

### **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. (Fall even 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 19<sup>th</sup> 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 3354**

**Advanced Stage Combat (3-0)** Prerequisite: THRE 2330 or permission of instructor. A suggested upper-level elective for all theatre majors. A study of advanced edged weapons systems and their adaptation for use in classical theatre productions. Weapon systems studied include eighteenth century small sword, Elizabethan rapier and dagger, Renaissance sword and buckler, and medieval hand-and-a-half broadsword. The course of study includes safety protocols, training sequences, fight notation and student choreography projects. (Spring odd 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. (Spring even years)

### **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 even 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 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. (Fall odd years)

**THRE 4365**

**Theatre Arts in the Secondary School (3-0)** Prerequisite: THRE 2330, 2340, 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. (As needed)

**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. (As needed)

**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)

**TEXAS COMMON COURSE NUMBERING SYSTEM / MCMURRY EQUIVALENT**

TCCN	CRSE #	TCCN TITLE	MCM	CRSE #	MCMURRY COURSE TITLE
ACCT	2301	Principles of Accounting I - Financial	ACCT	2310	Financial Accounting
ARTS	1301	Art Appreciation	ARTS	1300	Exploring the Visual Arts
ARTS	1303	Art 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	COSC	1315	Computer Fluency
BIOL	1106	Biology for Science Majors Lab I	BIOL	1106	General Biology I Lab
BIOL	1107	Biology for Science Majors Lab II	BIOL	1107	General Biology II Lab
BIOL	1306	Biology for Science Majors I	BIOL	1306	General Biology I
BIOL	1307	Biology for Science Majors II	BIOL	1307	General Biology II
BIOL	1408	Biology for Non-Science Majors I	BIOL	1401	Principles of Biology
BIOL	1411	General Botany	BIOL	2410	Biology of Plants
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 Science)	CHEM	1405	Survey of General and Organic Chemistry
CHEM	1408	Introductory Chemistry II (Primarily Allied Health Science)	CHEM	1406	Survey of Organic and Biochemistry
CHEM	1408	Introductory Chemistry II (Primarily Allied Health Science)	CHEM	1407	Chemical Basics for Allied Health
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 Fluency
COSC	1315	Fundamentals of Programming	COSC	1325	Fundamentals of Computer Science
DRAM	1141	Makeup	THRE	2250	Make-Up
DRAM	1310	Introduction to Theater	THRE	1300	Introduction to Theatre
DRAM	1322	Stage Movement	THRE	2355	Stage Movement
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	2110	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 (1st sem; 2 sem seq)	ENGL	2310	Masterpieces of British Literature
ENGL	2323	British Literature II (2nd sem; 2 sem seq)	ENGL	2310	Masterpieces of British Literature
ENGL	2326	American Literature (1 semester course)	ENGL	2320	Masterpieces of American Literature
ENGL	2327	American Literature I (1st sem; 2 sem seq)	ENGL	2320	Masterpieces of American Literature

**TEXAS COMMON COURSE NUMBERING SYSTEM / MCMURRY EQUIVALENT**

ENGL	2328	American Literature II (2nd sem; 2 sem seq)	ENGL	2320	Masterpieces of American Literature
ENGL	2331	World Literature (1 semester course)	ENGL	2330	Masterpieces of World Literature
ENGL	2332	World Literature I (1st sem; 2 sem seq)	ENGL	2330	Masterpieces of World Literature
ENGL	2333	World Literature II (2nd sem; 2 sem seq)	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	1411	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	Texas Politics: Rural v Urban
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 Math
MATH	1333	Contemporary Mathematics II	MATH	1315	Contemporary Math
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	1116	Elementary Sight Singing & Ear Training I	MUTH	1130	Aural Skills I
MUSI	1117	Elementary Sight Singing & Ear Training II	MUTH	1140	Aural Skills II
MUSI	1158	Opera Workshop II	MUAP	0155	Opera Workshop
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	MULH	1330	Theory I
MUSI	1312	Music Theory II	MULH	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	World Religions
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

**TEXAS COMMON COURSE NUMBERING SYSTEM / MCMURRY EQUIVALENT**

PHYS	1402	College Physics II	PHYS	1420	General Physics II
PHYS	1410	Elementary Physics (1 semester course)	PHYS	1400	Introductory Physics
PHYS	1411	Introductory Astronomy I	PHYS	1401	Astronomy
PHYS	1412	Introductory Astronomy II	PHYS	1401	Astronomy
PSYC	2301	General Psychology	PSYC	1340	General Psychology
PSYC	2314	Lifespan Growth & Development	PSYC	2360	Developmental Psychology: The Human Life Cycle
PSYC	2326	Social Psychology	PSYC	2370	Social Psychology
SOCI	1301	Introductory Sociology	SOCI	1310	Introduction to Sociology
SOCI	1306	Social Problems	SOCI	2350	Social Problems
SOCI	2336	Criminology	SOCI	2315	Criminology
SPAN	1411	Beginning Spanish I	SPAN	1410	Elementary Spanish I
SPAN	1412	Beginning Spanish II	SPAN	1420	Elementary Spanish II
SPAN	2311	Intermediate Spanish I	SPAN	2310	Intermediate Spanish I
SPAN	2312	Intermediate Spanish II	SPAN	2320	Intermediate Spanish II
SPCH	1311	Introduction to Speech Communication	COMM	1310	Principles of Communication
SPCH	1315	Public Speaking	COMM	1310	Principles of Communication
SPCH	1321	Business & Professional Communication	COMM	2330	Business & Professional Communication
SPCH	2335	Argumentation & Debate	COMM	2350	Argumentation & Advocacy

## BOARD OF TRUSTEES

### EX-OFFICIO

Bishop Earl Bledsoe (NWTX & NM Conf).....Albuquerque, NM  
 Kim Tate (AABOD President).....Midlothian, TX  
 Sandra Harper (President).....Abilene, TX

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 Mike Bennett '65 .....Lubbock, TX  
 Kathi Edwards .....Clyde, TX  
 Richard Edwards .....Ft. Worth, TX  
 Chuck Fallon '85 (eff Jan 2021) .....Pinecrest, FL  
 Russell Hall.....Midland, TX  
 Elaine Harmon '95 .....Colleyville, TX  
 John Hendrick '73 .....La Jolla, CA  
 Carl Hubbard '68.....San Antonio, TX  
 Sandy Maddox.....Dallas, TX  
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 Art Pertile '83 .....Katy, TX  
 Austin Pittman '91 .....Edina, MN  
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 Jack Reed .....Midland, TX  
 Jorge Solis '73.....Dallas, TX  
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 Kay Younggren '02 .....Artesia, NM



## ADMINISTRATION

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*President of the University*  
*Professor of Communication*  
 B.S., Texas Tech University  
 M.S., University of North Texas  
 Ph.D., University of North Texas

### MATTHEW DRAUD

*Vice President for Academic Affairs / Dean of the Faculty*  
*Professor of Biology*  
 B.A., Thomas More University  
 M.S., University of Louisiana  
 Ph.D., Lehigh University

### LISA WILLIAMS, C.P.A.

*Vice President for Finance and Administration / Chief of Staff*  
 B.B.A., Abilene Christian University

### GRANT GREENWOOD

*Vice President for Enrollment Management*  
 B.B.A., Hardin-Simmons University  
 M.B.A., Hardin-Simmons University  
 Ed.D. ABD, Texas Tech University

### DEBRA HULSE

*Vice President for Institutional Advancement*  
 B.S., McMurry University

### ROBIN DANIELS

*Vice President for Marketing and Communication*  
 B.F.A., Southern Methodist University  
 M.B.A., Southern Methodist University

### SAM FERGUSON

*Vice President for Student Affairs and Intercollegiate Athletics*  
 B.S., Averett University  
 M.S., Nova Southeastern University

### MARTY CASHBURLESS

*University Chaplain / Director of Religious and Spiritual Life*  
 B.A., McMurry University  
 M.Div., Emory University, Candler School of Theology

### ALLEN B. WITHERS

*Dean of Students & Campus Life*  
 B.A., Anderson-Broadbudd College  
 M.A., University of Illinois at Springfield  
 Ph.D., Kent State University

### CYNTHIA RUTLEDGE-FERGUSON (2001)

*Associate Vice President for Academic Affairs:*  
*Curriculum and Faculty Development*  
*Professor of Kinesiology*  
 B.S., Texas Tech University  
 M.S., Texas A & M University  
 Ed.D., University of Northern Colorado

### ALICIA T. WYATT (1999)

*Associate Vice President for Academic Affairs: Academic Administration*  
*Professor of Computer Science*  
*2005 Gordon R. and Lola J. Bennett Faculty Award Recipient*  
 B.S., Texas Tech University  
 M.Ed., Texas Tech University  
 Ed.D., Texas Tech University

**Professors****PROFESSORS****THOMAS BENOIT (1995)***Professor of Biology*2003 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.S., University of Texas at Arlington

M.A., University of Texas at Arlington

Ph.D., Texas Tech University

**TINA BERTRAND (1999)***Professor of Political Science*2011 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.A., University of Houston, University Park

M.A., Emory University

Ph.D., Emory University

**JOEL BRANT (2005)***Professor of Biology*

B.S., Abilene Christian University

M.S., Angelo State University

Ph.D., Texas Tech University

**TIKHON BYKOV (2004)***Professor of Physics*2017 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.S., St. Petersburg State University, Russia

M.S., St. Petersburg State University, Russia

Ph.D., University of Nebraska-Lincoln

**EDWARD DONNAY (2006)***Professor of Chemistry*

B.A., University of St. Thomas

Ph.D., Washington University

**PAUL FABRIZIO (1996)***Professor of Political Science*2006 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.A., University of Southern California

M.A., Emory University

Ph.D., Emory University

**STEPHEN HARDIN (2010)***Professor of History*

B.A., South West Texas State University

M.A., South West Texas State University

Ph.D., Texas Christian University

**JERRY W. HOLLINGSWORTH (2003)***Professor of Sociology and Criminology*2014 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.A., McMurry University

M.A., University of Texas at Arlington

Ph.D., Nova Southeastern University

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Ph.D., Rice University

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M.Div., Southern Baptist Seminary

Ph.D., University of Virginia

**PATRICIA LAPOINT (1988)***Professor of Management*

B.S., Miami University

M.B.A., Miami University

Ph.D., University of North Texas

**PHILIP LEMASTERS (1995)***Professor of Religion*2001 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

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M.A., Rice University

Ph.D., Duke University

**ANN-MARIE LOPEZ (2006)***Professor of English*

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M.A., Hardin-Simmons University

Ph.D., Texas A&amp;M University, Commerce

**CYNTHIA MARTIN (2003)***Professor of Mathematics / Director of FOE*2013 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

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Ph.D. Texas Tech University

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M.A., Texas A &amp; M University

Ph.D., University of Connecticut

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M.Div., Princeton Theological Seminary

Ph.D., Princeton Theological Seminary

**PAUL PYENTA (2002)***Professor of Biochemistry*

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M.S., Ph.D., Cornell University

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M.S., Texas A &amp; M University

Ed.D., University of Northern Colorado

**ANNA SAGHATELYAN (2004)***Professor of Biology*

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Ph.D., Komarov Botanical Institute RAN,

St. Petersburg, Russia

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M.A., Southern Illinois University

Ph.D., Southern Illinois University

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M.S., Drexel University

Ph.D., Drexel University

**PAUL A. SMITH (2004)***Professor of Kinesiology*

B.S., Wheaton College

M.S., Indiana University

Ph.D., Indiana University

**BRYAN A STEWART (2009)***Professor of Religion*2016 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.A., Grove City College

M.Div., Covenant Theological Seminary

Ph.D., University of Virginia

**COLE THOMPSON (2002)***Professor of English*

B.A., Stanford University

M.A., University of Louisiana

M.F.A., Warren Wilson College

**PAMELA VELTKAMP (1995)***Professor of Chemistry*2018 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.A., Dordt College

Ph.D., University of Colorado.

**KATHIE J. WALKER-MILLAR (1992)***Professor of Art*

B.F.A., M.Ed., Texas Christian University

M.F.A., Texas Woman's University

**ROBERT W. WALLACE (1990)***Professor of Sociology and Criminology*2007 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.S., Texas Tech University

M.G.S., Miami University

M.A., Columbia University

M.Ph., Columbia University

Ph.D., Columbia University

**MARK WATERS (2007)***Center for International Education Director**Professor of Religion**Professor of Servant Leadership*2015 *Gordon R. and Lola J. Bennett*

Faculty Award Recipient

B.A., Texas Tech University

M.Div. Southern Baptist Theological Seminary

Ph.D., Southern Baptist Theological Seminary

**Professors, Associate Professors & Assistant Professors**

**GARY R. WILSON (1990)**  
Professor of Biology  
2012 Gordon R. and Lola J. Bennett  
Faculty Award Recipient  
B.S., University of Texas at El Paso  
M.S., Texas Tech University  
Ph.D., Texas Tech University

**ALICIA T. WYATT (1999)**  
Associate Vice President for Academic Affairs:  
Academic Administration / Professor of  
Computer Science  
2005 Gordon R. and Lola J. Bennett  
Faculty Award Recipient  
B.S., Texas Tech University  
M.Ed., Texas Tech University  
Ed.D., Texas Tech University

## ASSOCIATE PROFESSORS

**DONALYN J. ALEXANDER (2018)**  
Associate Professor of Nursing  
Dean of Nursing  
B.S.S., Nursing, University of Central Oklahoma  
M.S.N., Patty Hanks Shelton School of Nursing  
D.N.P., Oklahoma City University

**LARRY BONDS (2007)**  
Associate Professor of English  
B.A., Texas Lutheran College  
M.A., Southwest Texas State University  
Ph.D., Texas A&M University

**TERRENCE BOYLE (2014)**  
Associate Professor of Biology  
B.S., M.S., Tarleton State University  
Ph.D., Texas A&M

**MARTIN DAWSON(2005)**  
Associate Professor of Psychology  
B.A., Trinity University  
M.A., Abilene Christian University  
Ph.D., Texas Tech University

**KATHRYN FLORES (2002)**  
Associate Professor of Mathematics  
B.S., Texas A&M University Kingsville  
M.S., Texas A&M College Station  
Ph.D., University of Texas at Dallas

**JOSE GOMEZ (2007)**  
Associate Professor of Spanish  
Ed.D., Javerian Polytechnic School

**YELENA KOSHELEVA (2010)**  
Associate Professor of Psychology  
Specialist (Equivalent to M.A. in U.S.)  
Voronezh State University  
M.A., Ph.D., University of Nebraska

**KELLY L. McCOUN (1993)**  
Associate Professor of Mathematics  
A.S., Amarillo College  
B.S., M.S., West Texas State University  
Ph.D., Texas Tech University

**GAE LYNN McINROE (2006)**  
Associate Professor of Curriculum and Instruction  
B.S., Texas Tech University  
M.Ed., Abilene Christian University  
Ph.D., Texas Tech University

**JANET McMURRAY (1997)**  
Associate Professor of Kinesiology  
Head Athletic Trainer  
B.S., McMurry University  
M.S., Hardin-Simmons University  
D.A.T., University of Idaho

**R. DUNCAN PELLY (2018)**  
Associate Professor Of Entrepreneurship  
Director of the Center for Entrepreneurship  
Director of International Business  
B.A., University of Pennsylvania  
Ph.D., EM Lyon Business School

**TIMOTHY RENFRO (2008)**  
Associate Professor of Physics  
B.S., Tarleton State University  
M.S., Stephen F. Austin State University  
Ph.D., The University of Texas at Dallas

**CLARA RICHARDSON (1998)**  
Associate Professor of Accounting  
B.A., McMurry College  
M.B.A., Ph.D., Texas A&M University

**JORI SECHRIST (2014)**  
Associate Professor of Sociology and Criminology  
B.A., McMurry University  
M.S., Ph.D., Purdue University

**LARRY SHARP (2007)**  
Associate Professor of Biology  
B.S., Tarleton State University  
D.C., Parker University

**MARK L. THORNBURG (2000)**  
Associate Professor of Mathematics  
B.S., Rose Hulman Institute of Technology  
M.S., D.A., Idaho State University

**DAVID N. WALLIS (2009)**  
Associate Professor of Music  
B.M., University of Massachusetts Amherst  
M.M., D.M.A., Michigan State University

**CHRISTINA H. WILSON (2005)**  
Associate Professor of Music /  
Director of the Mindset for Success Office  
B.M., Baylor University  
M.M., Ed.D., Baylor University

**DAVID AMLUNG (2015)**  
Assistant Professor of Music  
B.M., University of Oklahoma  
M.M., Mannes College The New School for Music  
D.M., Indiana University

**BRADLEY BLACKWELL (2020)**  
Sustainability and Renewable Resources  
Specialist and Assistant Professor  
B.S., Lubbock Christian University  
M.S., Texas Christian University  
Ph.D., Syracuse University

**KIMBERLY COOPER (2006)**  
Assistant Professor of Nursing  
B.S.N., Lubbock Christian University  
M.S.N., West Texas A&M University  
F.N.P., Hardin-Simmons University

**RYAN DALTON (2018)**  
Visiting Assistant Professor of Kinesiology  
B.S., Angelo State University  
M.S., Ph.D., Texas Tech University

**BRIAN DEATON (2015)**  
Assistant Professor of Finance  
B.S., Trinity University  
M.S., Ph.D., Texas A&M University

**BENJAMIN DRUFFELL (2019)**  
Visiting Assistant Professor of Music /  
Director of Band  
B.A., Luther College  
M.M., Minnesota State University  
D.M.A., Mason Gross School of Arts,  
Rutgers University

**TIM DUNN (2012)**  
Assistant Professor of Psychology  
B.B.S., M.A., M.Div., Hardin-Simmons University  
Ph.D., Texas Tech University

**LESLIE HOLLY**  
Assistant Professor of Nursing  
B.S.N., M.S.N., Hardin-Simmons University  
D.N.P., Texas Tech University  
Health Sciences Center

**CHALUZA KAPAALE**  
Assistant Professor of Nursing  
B.S.N., McMurry University  
M.S.N., Hardin-Simmons University  
Ph.D., University of Texas - Tyler

**MARY ANNA KIDD (2019)**  
Visiting Assistant Professor of Communications  
B.A., West Texas A&M  
M.A., Regent University  
Ph.D., University of Kansas

**JUAN MENDOZA (2016)**  
Assistant Professor of Music  
B.M., University of Texas - San Antonio  
M.M., Belmont University  
D.M.A., The Ohio State University

**VALERIE MILLER (2006)**  
Assistant Professor of Nursing  
B.S.N., Texas Tech University  
M.S., Georgia State University  
F.N.P., Hardin-Simmons University  
Ph.D., University of Texas - Tyler

## ASSISTANT PROFESSORS

## **Assistant Professors & Instructors**

### **MICHAEL MORRIS (2020)**

*Visiting Assistant Professor of Kinesiology*  
B.S., Florida Agricultural and Mechanical University  
M.S., Florida Agricultural and Mechanical University  
Ph.D., Auburn University

### **MALANEY LOPEZ O'CONNELL (2016)**

*Assistant Professor of Biology*  
B.S., McMurry University  
Ph.D., University of Texas  
Medical Branch – Galveston

### **DANIEL PATTEN (2017)**

*Assistant Professor of Sociology and Criminology*  
B.A., Purdue University at Fort Wayne  
B.A., Indiana University at Fort Wayne  
M.A., Old Dominion University  
Ph.D., Western Michigan University

### **KEVIN PHILLIPSON (2019)**

*Visiting Assistant Professor of Marketing*  
B.S., M.B.A., D.B.A., Wilmington University

### **I. TOBI POPOOLA (2018)**

*Assistant Professor of Management*  
B.S., University of Ilorin  
B.S., Oxford Brookes University  
M.B.A., Louisiana State University  
Ph.D., University of Mississippi

### **TYSON TERRY (2015)**

*Assistant Professor of Art*  
M.F.A., Digital Media Arts College

### **BIHTER TOMEN (2019)**

*Assistant Professor of Political Science*  
B.A., York University  
M.A., University of Windsor  
Ph.D., Southern Illinois University

### **KIMBERLY TRIBOU (2019)**

*Assistant Professor of Accounting*  
B.B.A., McMurry University  
M.B.A., University of New Mexico

### **JESSICA WALKER (2019)**

*Visiting Assistant Professor of History*  
B.A., Centenary College of Louisiana  
M.A., Johns Hopkins University  
Ph.D., Johns Hopkins University

### **ROSEMARY KOVACH WALLACE (1991)**

*Director, Dyess McMurry Program*  
*Assistant Professor of Sociology*  
Diploma of Nursing, St. Elizabeth Hospital Medical Center  
B.A., Youngstown State University  
M.G.S., Miami University  
M.A., Ed.D., Teachers College, Columbia University

### **KATE WOEHL (2007)**

*Assistant Professor of Nursing*  
B.A., University of North Dakota  
B.N.Sc., MedCenter Once College of Nursing  
M.S.N., Hardin-Simmons University

## **INSTRUCTORS**

### **DANA ALVAREZ (2017)**

*Instructor of Developmental Mathematics*  
B.S., McMurry University  
M.S., Hardin-Simmons University

### **MELISSA BAKER (2020)**

*Visiting Instructor of English*  
B.A., North Greenville University  
M.F.A., Converse University

### **RACHAEL K. BEIN (1991)**

*Director, Academic Enrichment Center*  
*Instructor of Developmental Mathematics*  
B.Mu.Ed., Hardin-Simmons University  
M.M., Hardin-Simmons University  
M.Ed., Hardin-Simmons University

### **RICHARD L. BROZOVIC (1996)**

*Instructor of Computer Science & Information Systems*  
B.S., U. S. Air Force Academy  
M.S., Air Force Institute of Technology

### **MELISSA BULLS (2019)**

*Visiting Instructor of Curriculum and Instruction*  
B.S., McMurry University  
M.Ed., Massey University

### **ROXANNA DITA (2011)**

*Instructor of Mathematics*  
B.S. Polytechnic University, Bucharest, Romania  
M.S. University of North Texas

### **JODI FRY**

*Instructor of Nursing*  
B.S.N., M.S.N., Hardin-Simmons University

### **KERRY GOFF (2019)**

*Visiting Instructor of Theatre*  
B.F.A., McMurry University

### **BETH LAURENCE (1995)**

*AEC Writing Coordinator*  
*Instructor of Developmental English*  
B.A., Hardin-Simmons University

### **PAMELA MCCULLOUGH (2018)**

*Instructor of Nursing*  
B.S.N., Hardin-Simmons University  
M.S.N., Kaplan University

### **PAUL MUNSHOWER, JR. (2019)**

*Visiting Instructor of Curriculum and Instruction*  
B.S., McMurry University  
M.Ed., Abilene Christian University

### **AMANDA NEAL (2019)**

*Visiting Instructor of Curriculum and Instruction*  
B.B.S., M.Ed., Hardin-Simmons University

### **JENNIFER NICHOLS (2017)**

*Instructor of Photography /*  
*Gallery Services Director*  
B.A., McMurry University

### **MORGAN SCHERWITZ**

*Instructor of Nursing*  
B.S.N., York College of Pennsylvania  
M.S.N., Liberty University

### **LINDSAY SCHWARTZ**

*Instructor of Nursing*  
B.S.N., McMurry University  
M.S.N., Grand Canyon University

### **GEORGE STARBUCK (2003)**

*Instructor of Business Administration*  
B.B.A., The University of Texas, Austin  
M.B.A., Abilene Christian University C.P.A.

### **BETH ST JEAN (1995)**

*AEC Mathematics Coordinator*  
*Instructor of Developmental Mathematics*  
B.S., State University of New York, Plattsburgh  
M.Ed., Texas State University  
M.S., Hardin-Simmons University

### **MICHAEL THOMESEN (2007)**

*Instructor of Curriculum and Instruction*  
B.A., M.A., M.Ed., Abilene Christian University

### **PAMELA GRAY VERHULST (2016)**

*Instructor of Kinesiology*  
B.S., M.S., University of Wisconsin – La Crosse  
Ed.D., United States Sports Academy

### **LAURA WADE**

*Instructor of Nursing*  
B.S.N., M.S.N., University of Texas - Arlington

### **ELIZABETH WATSON (2009)**

*Instructor of Business Administration*  
B.S., Texas Christian University  
M.B.A., Oklahoma City University

### **TAMMY WERNER (2010)**

*Instructor of Mathematics*  
B.S., B.A., McMurry University  
M.A., Texas Tech University

### **JOEL WHITTEMORE (2001)**

*Instructor of Communications*  
B.S. Northeastern University  
M.A., Abilene Christian University

### **BROOKE WRIGHT (2019)**

*Instructor of Human Health Science*  
B.S., Abilene Christian University  
M.S., University of Tulsa

# FACULTY EMERITI

**DAVID AINSWORTH (2003)**  
*Associate Professor of Theatre, Emeritus*  
B.F.A., Southwestern University  
M.F.A., University of Texas at Austin

**JAMES ALVIS**  
*Professor of Spanish & French, Emeritus*  
B.A., McMurry College  
M.A., University of New Mexico  
Ph.D., University of Oklahoma

**MARY BUZAN**  
*Professor of English, Emerita*  
B.A., McMurry College  
M.A., Ph.D., University of Texas at Austin

**PHILIP CRAIK**  
*Professor of Theatre, Emeritus*  
B.Mu., Hardin-Simmons University  
M.A., Ph.D., Louisiana State University

**DEE ANN CURRY (2006)**  
*Instructor of Communication, Emerita*  
B.A. Wayland Baptist University  
M.Ed. Houston Baptist University

**DIANNE G. F. DULIN**  
*Instructor of Mathematics, Emerita*  
B.A., Lamar State College  
M.A., Louisiana State University

**TOMMY J. FRY**  
*Associate Professor of Music, Emeritus*  
B.S., McMurry College  
M.Ed., Sul Ross State University

**KATHRYN HALL (2000)**  
*Professor of Curriculum & Instruction, Emerita*  
B.A., Smith College  
M.Ed., Hardin-Simmons University  
Ed.D., University of North Texas

**LUCILLE M. HODGES**  
*Assistant Professor of Mathematics, Emerita*  
B.A., McMurry College  
M.A. Abilene Christian College

**CHARLES E. HUKILL (1985)**  
*Professor of Theatre and Director of Technical Theatre, Emeritus*  
2002 Gordon R. and Lola J. Bennett  
Faculty Award Recipient  
B.F.A., Stephen F. Austin State University  
M.F.A., Trinity University (Dallas Theater Center)

**HERSHEL KIMBRELL**  
*Assistant Professor of Physical Education and Head Basketball Coach, Emeritus*  
B.S., M.Ed., McMurry College

**DAVID M. KLASSEN**  
*Professor of Chemistry, Emeritus*  
B.S., The University of Texas – El Paso  
Ph.D., University of New Mexico

**BEVERLY LENOIR**  
*Vice President for Academic Affairs, Professor of Computer Science, Emerita*  
B.A., Baylor University  
M.S., American Technological University  
Ph.D., University of Texas

**ANN LIPRIE-SPENCE (1982)**  
*Assistant Professor of Business Administration, Emerita*  
1999 Gordon R. and Lola J. Bennett  
Faculty Award Recipient  
B.S., McNeese State University  
M.B.A., Louisiana Tech University

**K. O. LONG**  
*Dean of the School of Business, Associate Professor of Business Administration, Emeritus*  
B.A., McMurry College  
J.D., University of Texas at Austin

**ROBERT MANISS**  
*Professor of Curriculum & Instruction, Registrar, Emeritus*  
B.S., Texas Technological College  
M.Ed., Ph.D., University of Texas at Austin

**ROBERT MARTIN**  
*Professor of Biology, Emeritus*  
B.S., M.S., Oklahoma State University  
Ph.D., Texas Tech University

**DORIS A. MILLER (1993)**  
*Professor of English, Emerita*  
B.S., University of Texas at El Paso  
M.A., University of Northern Colorado  
M.A., Colorado State University  
Ph.D., University of Texas at Austin

**ROBERT C. MONK**  
*Professor of Religion, Emeritus*  
B.A., Texas Tech University  
B.A., Southern Methodist University  
M.A., Ph.D., Princeton University

**TERRY E. NORTHUP**  
*Professor of Curriculum & Instruction, Emeritus*  
B.A., M.Ed., University of Mississippi  
Ph.D., Purdue University

**PUG DEAVENPORT PARRIS (1978)**  
*Professor of Kinesiology, Emerita*  
1998 Gordon R. and Lola J. Bennett  
Faculty Award Recipient  
B.S., McMurry College  
M.Ed., Abilene Christian University  
Ed.D., Texas A&M University

**BENJAMIN L. PILCHER**  
*Professor of Biology, Emeritus*  
B.S., M.S., Texas Technological College  
Ph.D., University of New Mexico

## Instructors, Faculty Emeriti & Library Staff

**RICHARD SCHOFIELD**  
*Professor of Geoscience, Emeritus*  
B.A. Lafayette College  
M.S. University of Arizona  
Ph.D., Rutgers University

**GARY W. SHANAFELT**  
*Professor of History, Emeritus*  
2004 Gordon R. and Lola J. Bennett  
Faculty Award Recipient  
B.A., University of California, Irvine  
M.A., Ph.D., University of California, Berkeley

**A.C. SHARP, JR.**  
*Professor of Physics, Emeritus*  
B.S., M.S., Texas A&I University  
Ph.D., Texas A&M University

**PHILIP SHULER**  
*Professor of Religion, Emeritus*  
A.B., Southern Methodist University  
B.D., Perkins School of Theology  
M.A., Claremont Graduate School  
Ph.D., McMaster University

**ROBERT W. SLEDGE**  
*Distinguished Professor of History, Emeritus*  
B.S., B.A., Southwestern University  
B.D., Southern Methodist University  
M.A., Ph.D., The University of Texas at Austin

**JOE W. SPECHT**  
*Director of Jay-Rollins Library, Emeritus*  
B.A., M.A., M.L.S., North Texas State University

**JACQUELINE B. STOWE**  
*Assistant Professor of Business Administration, Emerita*  
B.B.A., Texas Tech University  
M.Ed., Hardin-Simmons University

**MICHAEL N. SWANSON**  
*Associate Professor of Mathematics, Emeritus*  
B.S., M.A., Texas Tech University

**WALTER J. URBAN**  
*Dean of Student Life, Emeritus*  
B.S., University of Texas at El Paso  
M.Ed., Abilene Christian University

**LOUIS W. VOIT**  
*Assistant Professor of Computer Science, Emeritus*  
B.S., State University of New York  
M.S.E., West Virginia University  
M.S., East Texas State University

**EUGENE WILLIAMS**  
*Professor of Business Administration, Emeritus*  
B.A., Drury College  
M.B.A., Ph.D., University of Arkansas

**Library Staff & Administrative Staff****LIBRARY STAFF****DELIA JAMES***Acquisitions Library Assistant***CHARLES STANFORD***Circulation Assistant  
B.A., Baylor University***AMANDA VICKERS***Collection Services Librarian  
B.A., McMurry University  
M.L.S., Texas Woman's University***KEITH A. WADDLE***Reference / ILL Librarian  
B.A., Hardin-Simmons University  
M.A., Texas A&M University  
M.S., University of North Texas  
Ph.D., Pennsylvania State University***TERRY YOUNG***Library Director  
B.A., M.U.P., Texas A&M University  
M.L.S., University of North Texas***CAROLYN A. CALVERT, B.A.***Registrar***TERRY T. CASS, B.B.A.***University Accountant***SUZANN COUTS***Director of Alumni Relations***KELSEY DAVIS***Admission Marketing/Communications Manager***STEVEN DAVIS, M.S.***Science Laboratory Manager and Campus  
Environmental Safety Coordinator***KATHY M. DENSLAW, A.A.S., B.S.***Director of Administrative Systems***COURTNEY DOCKERY***Admission Counselor***LARRY DOCKERY***Assistant Football Coach***SARAH DRISKELL, B.A.***Associate Registrar***MIKE EZEKIEL, M.S.***Director of Athletic Communications & Operations***FREDDIE FAMBLE, JR., B.S.***Director of IT Customer Service***AYSSA GALLOWAY***Assistant Volleyball Coach***GABRIEL GARCIA***Assistant Football Coach, Offensive Coordinator***MARIA GARCIA, B.S., M.S.***Financial Aid Counselor***JERRI GAZAILLE, B.B.A.***Executive Assistant to the President***COURTNEY GODDING***Director of Residence Life and Housing***JAMES GREER, B.A., M.A., L.M.F.T.***Director of Counseling and Career Services***ALEXANDRIA GRUHLKEY***Admission Counselor – DFW Region***BARBARA HAVARD***Payroll/Benefits Coordinator***RONDA HOELSCHER, R.N.***Director of Health Services***LECIA D. HUGHES, B.B.A., M.Ed., L.P.C.***Director of Human Resources**Mediation Officer**Title IX Coordinator***CECILIA JARAMILLO***Financial Aid Counselor 1***JOHN JENNINGS***Assistant Football Coach, Defensive Coordinator***DOUG JETER***Admission Counselor***CODY KNIGHT***Head Track and Field Coach***MICHAEL LAMBECK***Men's Soccer Coach***JASON LEE***Assistant Baseball Coach***MELANIE LONG, B.B.A.***Assistant Director of Admission for Transfer and  
Online Recruitment***ALEXIS MARRERO, B.S.***Associate Director of Digital Communications***CYNTHIA MARTIN***Director of FOE Program***DR. PAUL MASON***Dean for the School of Business***LIZ MAYES, M.ED.***Assistant Registrar for Academic Records***CHARITY MCCRIGHT***Head Athletic Trainer***DAVID MCNALLY***Head Softball Coach***ERICA MEDINA***Assistant Dean of Students for Student  
Engagement***CHRISTINA MENDENHALL, B.A.S.W.***Assistant Director of Admission***KELLIE MERRITT, B.A.***Coordinator of McMurry Virtual Campus***DAVID METCALF***Assistant Football Coach***RACHEL MONTESDEOCA, Ed.D.***Title V Transfer Specialist***JORDAN NEAL***Head Football Coach***JESSICA NGUYEN***Title IX Coordinator***TERRY NIXON, B.B.A.***Director of Institutional Research***ADMINISTRATIVE STAFF****KRYSTAL ALTIGIERI, B.A.S.***Academic Advising Coordinator  
VA Certifying Official***NICHOLAS AMENDOLA***Senior Systems Analyst***DUSTIN BEAL***Assistant Soccer Coach***BROOKS BILLINGS***Assistant Football Coach and Equipment Coordinator***JOHNNNA BOLDEN, B.B.A.***Assistant Director for Financial Aid***JEANIE BONE***Executive Assistant to the  
Vice President for Academic Affairs***SCOTT BOWDEN***Facilities Maintenance Manager***ASHLEE BRADFORD***Director of Annual Leadership Giving***CHRISTOPHER BREAUX***Assistant Tennis Coach***LAUREN BRIDWELL***Assistant Director of McMurry Fund***JOHN BYINGTON, B.S.***Head Baseball Coach*

**Administrative Staff & General Staff**

<b>CHARLES NOBLES</b> Head Women's Soccer Coach	<b>SEAN SLAVIN</b> Assistant Softball Coach	<b>DORA CAFFEY</b> Financial Aid Counselor
<b>MARK ODOM, B.S.</b> Director of Security & Safety Officer	<b>NANCY SMITH, B.S., M.Ed.</b> Executive Director of Donor Relations	<b>BRIDGET CAMARILLO</b> Counselor
<b>CASEY PACHECO</b> Head Swimming Coach	<b>TERESA STEELE</b> Supervisor of the Post Office & Print Office	<b>ALEXIS CARILLO</b> Administrative Assistant
<b>REXI PARCELLS</b> Head Cross Country Coach	<b>JON STENMAN</b> Assistant Volleyball Coach	<b>AMANDA COKONOUGHER</b> Secretary for Religious Life
<b>CHEYENNE PATTON</b> Assistant Athletic Trainer	<b>MICHAEL STEPHENS, B.B.A., M.B.A.</b> Database Manager	<b>NICHOLAS CONKLIN, B.S.</b> LMS Support
<b>CAMILE PETREE, B.S., M.Ed.</b> Head Volleyball Coach / Senior Women's Administrator	<b>MATTHEW TATE, B.F.A., M.F.A.</b> Director of Creative Brand Management	<b>BRANDON DAVIS</b> Security Officer
<b>ZACHRY PICKELMAN, B.S., M.S.M.</b> Head Men's Basketball Coach	<b>ROBERT WALLACE, B.S., M.G.S., M.A., M.Ph., Ph.D.</b> Faculty Athletic Representative	<b>JENNIFER DUNN</b> Academic Success Coach
<b>BRYANNA PIERCE</b> Assistant Athletic Trainer	<b>ROSEMARY K. WALLACE, B.A., M. GERONTOLOGICAL STUDIES, M.A., Ed.D.</b> Director of McMurry-Dyess Program / Associate Professor of Sociology	<b>HARLAN FERRY</b> Part-time Postal Clerk
<b>JUSTIN POMPLUN</b> Assistant Director of Athletics Communications and Operations	<b>LAYTON WESTMORELAND</b> Assistant Baseball Coach	<b>DEBBIE FORD</b> Secretary for Athletic Department
<b>JAMES QUINNETT, B.A.</b> Senior Webmaster	<b>ALICIA WYATT, B.S., M.Ed., Ed.D.</b> Associate Vice President for Academic Affairs: Academic Administration / Professor of Computer Science	<b>SETH GOODING</b> Coordinator of Wellness Center & Intramural Sports
<b>MALLORY RAINWATER</b> Admission Counselor	<b>ROBERT YEATTS</b> Assistant Men's Basketball Coach	<b>EMILY JACQUES</b> Events Coordinator
<b>JAY REES, B.A., M.ED.</b> Head Golf Coach	<b>HUA ZHENG, PH.D.</b> Instructional Designer	<b>TIMOTHY KAMER</b> Maintenance Technician
<b>BRITTANY ROES</b> Head Women's Basketball Coach		<b>LISA KENNEDY</b> Coordinator of Student Accounts
<b>CYNTHIA RUTLEDGE-FERGUSON, B.S., M.S., Ed.D.</b> Associate Vice President for Academic Affairs: Curriculum and Faculty Development / Professor of Kinesiology		<b>SANDY LANE</b> Administrative Assistant for Career Services / Student Employment Coordinator
<b>ERIKA SABB</b> Director of Residence Hall / Housing Coordinator	<b>BILLY ALLEN</b> Security Officer	<b>FLOR McPETERS</b> Registrar Office Assistant
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