

MIDWESTERN STATE UNIVERSITY

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UNDERGRADUATE BULLETIN

2002 - 2004

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Robin Robbins

ACADEMIC CALENDAR

2002-2003

Fall Semester 2002

Deadline for Application for Admission	August 7
ACT	August 15
Faculty Meetings	August 19
Reenrolling Student Registration	August 19-20
Student Orientation, Advising, and Registration	August 21-23
Classes begin	August 24
Change of Schedule or Late Registration	August 26-28
Labor Day - No classes	September 2
Deadline for December graduates to file for graduation	October 7
Deadline for May graduates to file for graduation	October 21
Last day to drop with a "W"	November 1
Thanksgiving Holidays begin 9:30 p.m.	November 27
Classes resume	December 2
Last day of classes	December 6
Final examinations	December 7-13
Commencement	December 14

AUGUST							SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
25	26	27	28	29	30	31	29	30						27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

Spring Semester 2003

Deadline for Application for Admission	December 15, 2002
ACT	January 3
Reenrolling Student Registration	January 7-8
Student Orientation, Advising, and Registration	January 9-10
Classes begin	January 11
Change of Schedule or Late Registration	January 13-15
Martin Luther King's Birthday observed - No classes	January 20
Deadline for May graduates not enrolled for fall semester to file for graduation ...	February 24
Spring Break begins 5:00 p.m.	March 15
(March 17-21)	
Classes resume	March 24
Last day to drop with a "W"	March 28
Easter Break begins 9:30 p.m.	April 16
(Easter - April 20)	
Classes resume	April 21
Last day of classes	May 2
Final examinations	May 3-9
Commencement	May 10

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

Summer Session 2003

First Term	(June 2 - July 2)
Deadline for Application for Admission	May 15
ACT	May 20
Memorial Day Holiday	May 26
Student Orientation and Registration	May 29
Registration*	May 30
Classes begin	June 2
Last day to drop with a "W"	June 23
Examinations	July 2

Second Term	(July 7 - August 6)
Deadline for Application for Admission	June 15
ACT	June 26
Orientation-Registration*	July 3
Holiday	July 4
Classes begin	July 7
Last day August graduates can file application for graduation	July 8
Last day to drop with a "W"	July 28
Examinations	August 6

* There is no late registration or change in schedule during the summer.

JUNE						
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30	31					

TRIMESTER CALENDAR*

2002-2003

Fall 2002 Trimester

Deadline for Application for Admission	August 7
Registration (Main Campus)	August 19-23
Classes begin	August 26
Change of Schedule or Late Registration	August 26-28
Labor Day (No Classes)	September 2
Last day to drop with a "W"	October 4
Deadline for December graduates to file for graduation	October 7
Deadline for May graduates to file for graduation	October 21
Last day of classes	November 7

Winter 2002 Trimester

Deadline for Application for Admission	October 24
Registration	November 8
Late Registration	November 11
Classes begin	November 11
Thanksgiving Holidays begin 9:30 p.m.	November 27
Classes resume	December 2
Christmas Holidays begin	December 13
Commencement	December 14
Classes resume	January 6
Last day to drop with a "W"	January 10
Martin Luther King's Birthday observed - No classes	January 20
Last day of classes	February 13

Spring 2003 Trimester

Deadline for Application for Admission	January 30
Registration	February 14
Late Registration	February 17
Classes begin	February 17
Deadline for May graduates not enrolled for fall semester to file for graduation ...	February 24
Spring Break begins	March 15
Classes resume	March 24
Last day to drop with a "W"	April 4
Easter Break begins 9:30 p.m.	April 16
Classes resume	April 21
Last day of classes	May 8
Commencement	May 10

ACADEMIC CALENDAR
2003-2004

Fall Semester 2003

Deadline for Application for Admission	August 7
ACT	August 14
Faculty Meetings	August 18
Reenrolling Student Registration	August 18-19
Student Orientation, Advising, and Registration	August 20-22
Classes begin	August 23
Change of Schedule or Late Registration	August 25-27
Labor Day - No classes	September 1
Deadline for December graduates to file for graduation	October 6
Deadline for May graduates to file for graduation	October 20
Last day to drop with a "W"	October 31
Thanksgiving Holidays begin 9:30 p.m.	November 26
Classes resume	December 1
Last day of classes	December 5
Final examinations	December 6-12
Commencement	December 13

AUGUST							SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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24 25 26 27 28 29 30							28 29 30							26 27 28 29 30 31						30						30								
31																																		

Spring Semester 2004

Deadline for Application for Admission	December 15, 2003
ACT	January 5
Reenrolling Student Registration	January 13-14
Student Orientation, Advising, and Registration	January 15-16
Classes begin	January 17
Martin Luther King's Birthday observed - No classes	January 19
Change of Schedule or Late Registration	January 20-22
Deadline for May graduates not enrolled for fall semester to file for graduation	February 23
Spring Break begins 5:00 p.m. (March 15-19)	March 13
Classes resume	March 22
Last day to drop with a "W"	April 2
Easter Holidays begin 9:30 p.m. (Easter - April 11)	April 7
Classes resume	April 12
Last day of classes	May 7
Final examinations	May 8-14
Commencement	May 15

JANUARY							FEBRUARY							MARCH							APRIL							MAY							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
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4	5	6	7																																7
11	12	13	14	15	16	17		15	16	17	18	19	20	21																					14
18	19	20	21	22	23	24		22	23	24	25	26	27	28																					21
25	26	27	28	29	30	31		29																											

Summer Session 2004

First Term

(June 7 - July 7)

Deadline for Application for Admission	May 15
ACT	May 25
Memorial Day Holiday	May 31
Student Orientation and Registration	June 3
Registration*	June 4
Classes begin	June 7
Last day to drop with a "W"	June 28
Examinations	July 7

Second Term

(July 12 - August 11)

Deadline for Application for Admission	June 15
ACT	July 1
Orientation-Registration*	July 9
Classes begin	July 12
Last day August graduates can file application for graduation	July 13
Last day to drop with a "W"	August 2
Examinations	August 11

* There is no late registration or change in schedule during the summer.

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

JULY						
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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

AUGUST						
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				

TRIMESTER CALENDAR*

2003-2004

Fall 2003 Trimester

Deadline for Application for Admission	August 7
Registration (Main Campus)	August 18-22
Classes begin	August 25
Change of Schedule or Late Registration	August 25-27
Labor Day - No classes	September 1
Last day to drop with a "W"	October 3
Deadline for December graduates to file for graduation	October 6
Deadline for May graduates to file for graduation	October 20
Last day of classes	November 6

Winter 2003 Trimester

Deadline for Application for Admission	October 23
Registration	November 7
Late Registration	November 10
Classes begin	November 10
Thanksgiving Holidays begin 9:30 p.m.	November 26
Classes resume	December 1
Christmas Holidays begin	December 12
Commencement	December 13
Classes resume	January 12
Last day to drop with a "W"	January 16
Martin Luther King's Birthday observed - No classes	January 19
Last day of classes	February 19

Spring 2004 Trimester

Deadline for Application for Admission	January 29
Registration	February 20
Late Registration	February 23
Classes begin	February 23
Deadline for May graduates not enrolled for fall semester to file for graduation ...	February 23
Spring Break begins	March 13
Classes resume	March 22
Easter Break begins 9:30 p.m.	April 7
Classes resume	April 12
Last day to drop with a "W"	April 12
Last day of classes	May 13
Commencement	May 15

* These dates are subject to change. Please refer to the current class schedule.

BOARD OF REGENTS

The Board of Regents is the legal entity of the University. Each member is appointed by the Governor to serve a term of six years or to serve the remainder of an unexpired term.

MEMBERSHIP

Mac W. Cannedy, Jr., ChairpersonWichita Falls
 Chaunce O. Thompson, Jr., SecretaryBreckenridge
 Donna ArpColleyville
 John C. BridgmanWichita Falls
 Jaime A. Davidson, M.D.Dallas
 Pat HaywoodWichita Falls
 Munir A. LalaniWichita Falls
 Don Ross MaloneVernon
 David L. StephensPlano

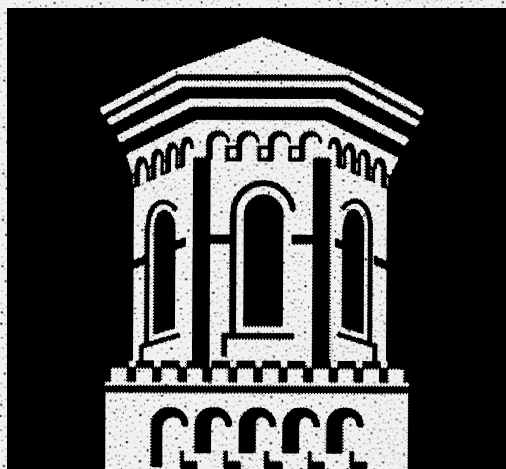


Munir A. Lalani, John C. Bridgman, Donna Arp, Mac W. Cannedy, Jr., David L. Stephens, Pat Haywood, Jaime A. Davidson, M.D., Chaunce O. Thompson, Jr., Don Ross Malone

UNIVERSITY ADMINISTRATION

Jesse W. Rogers, Ph.D.	President
Deborah L. Barrow, M.A.	Executive Assistant to the President
Mike Snow, M.S.	Director of Institutional Research & Planning
David Spencer, B.B.A., C.P.A.	Internal Auditor
Friederike W. Wiedemann, Ph.D.	Vice President for Academic Affairs
Michael L. Collins, Ph.D.	Dean, College of Liberal Arts
Ronald D. Fischli, Ph.D.	Dean, Lamar D. Fain College of Fine Arts
Martha Harvey, Ph.D.	Interim Dean, College of Business Administration
Norman Horner, Ph.D.	Dean, College of Science and Mathematics
Clara Latham, M.L.S.	University Librarian
Pam Morgan, M.Ed.	Director of Extended Education
Grant Simpson, Ed.D.	Dean, Gordon T. and Ellen West College of Education
Michelle Smith, Ph.D.	Director of University Honors Program
Susan Sportsman, R.N., Ph.D.	Dean, College of Health Sciences and Human Services
(vacant)	Dean of Graduate Studies
John Alexander, Ed.D.	Vice President for Administration & Finance
Scott Arledge	Director of Business Services
Michael Dye, B.A.A.S.	Director of Information Systems
Gail Ferguson, B.B.A., C.P.A.	Controller
Stephen A. Holland, M.A.	Director of Personnel
Carolyn Lewis	Payroll Supervisor
Valarie Maxwell, M.B.A.	Director of Budget and Management
Dan Williams, B.B.A., B.S.	Director of Physical Plant
Howard Farrell, Ed.D.	Vice President for University Advancement & Student Affairs
Janus Buss, B.S.	Director of Public Information & Marketing
Michael Hagy, B.A.	Chief of Police
Sherry Kingcade, B.S.E.	Director of Alumni Relations
Anne Opperman, M.E.	Director of Donor Services & Special Projects
(vacant)	Director of Annual Fund
Jane Leishner, M.Ed.	Associate Vice President for Student Affairs
Peggy Boomer, B.S.N., R.N.	Director of Vinson Health Center
Joey Greenwood, M.S.K.	Director of Recreational Sports
Debra Higginbotham, M.S.	Director of Counseling & Disability Services
Keith Lamb, M.B.A.	Director of Housing Programs
Bob Stage, B.S.	Director of ARAMARK Dining Services
G. Dail Neely, M.S.	Dean of Students
Jenny Barmore, B.S.E.	Director of Barnes & Noble Bookstore
Brett Lee, M.S.	Director of Student Development
Cindy Loveless, B.S.E.	Campus Postal Supervisor
Leslee Ponder, B.A.	Director of Student Activities
Robert E. Clark, Ph.D.	Vice President for Academic Services
Brandon Carpenter, M.Ed.	Director of Testing Services
Mark Ernsting, M.S.	Director of MSU Cycling Team
Lisa Estrada-Hamby, B.B.A.	Director of Upward Bound
Randy Glean, Ph.D.	Director of International Student Services
Darla Inglish, M.A.	Interim Registrar
Barbara Merkle, M.S.P.E.	Director of Admissions
Kathy Pennartz, B.B.A.	Director of Student Financial Aid
Robert Shindell, M.A.	Director of Career Management Center
Diane Spiller, M.E.	Coordinator of Academic Support Center





GENERAL INFORMATION

Mission

Goals of Academic Foundations

University History

Accreditation and Membership

Buildings and Grounds

Other General Information

MISSION

Midwestern State University is a comprehensive senior public institution dedicated to providing a challenging learning experience through exceptional teaching and a rigorous curriculum. The university prepares students to become responsible citizens in the global community through faculty and student research, creative discovery, and service.

GOALS OF ACADEMIC FOUNDATIONS

All institutions of higher education provide their students with an opportunity to learn. At Midwestern State University we espouse a liberal arts philosophy. We believe that the most important thing to learn is how to learn; therefore, we believe that an educated person should have awareness in some depth of the methods and results of various ways to acquire and organize knowledge: artistic, scientific, and philosophical. The student should gain some understanding of how this knowledge, its acquisition and organization relate to the goals of our diverse society and other cultures. We believe a university should enhance its students' abilities to understand themselves and interact with others as well as provide them with essential skills for individual growth and the pursuit of a rewarding career. We are concerned with their development as persons able and willing to act ethically on the basis of considered value judgments.

The heart of the course of studies of the University is the program of general education. At Midwestern State University we believe in the goal of general education as an effective modern expression of the traditional Western idea of the Liberal Arts. The student is led through such a course of studies to an understanding of and appreciation for the methods and results of the scientific and artistic endeavors which influence and enrich life. In addition, the student is provided the opportunity to acquire an understanding of and appreciation for our culture, the forces which shaped and influenced its development, and the governmental and economic forces which influence its present structure.

For each student, a university stands directly at the juncture of the past, present, and future. Thus, a general education must provide the student who will live in tomorrow's world with insight into the culture, artistic expression, and intellectual achievements which have shaped the present; but above all else it must sharpen the ability to continue to learn. Finally, it should provide the effective means to counteract one of the most serious problems of higher education: the neglect of general education as a result of specialization. A university curriculum properly built upon the liberal, the liberating, arts provides a frame of reference, a base of understanding for the student's specialized studies.

UNIVERSITY HISTORY

Since its founding in 1922, Midwestern State University has grown from a local junior college to a regional state university serving a wide and varied public.

Created in 1922 as Wichita Falls Junior College, the second municipal junior college in Texas, its earliest home was in Wichita Falls High School with which it shared both the building and faculty. Later, a legislative act and a vote of the people of Wichita Falls set up a separate tax district to support the junior college.

In 1937, the college acquired a new, forty-acre campus of its own on the south side of town. Rising above pastures and wheat fields was the recently finished Hardin Building, an impressive Spanish colonial structure which was presided over by a lofty

bell tower. Also in that year the college was renamed Hardin Junior College in honor of Mr. and Mrs. John G. Hardin.

During World War II, the establishment of Sheppard Field, later renamed Sheppard Air Force Base, added to the college's public. Since that time, air base personnel and their families have been continuing participants in the campus academic programs.

The post World War II years brought more change in the school's mission and in its name. In 1946, the senior college division was added and accordingly the name was altered to Hardin College. In January 1950, the name changed to Midwestern University, the junior college division remaining Hardin Junior College. In these years, wider recognition came to the school. In March 1948, the University became a member of the Association of Colleges and Secondary Schools. In January 1959, the University added a Graduate School which received full approval from the State Board of Education in August of that year.

A further change in the school's status came September 1, 1961, when by action of the 56th Legislature of the State of Texas, Midwestern University became part of the Texas Colleges and Universities System and the junior college division was dissolved. In 1975, the Texas Legislature changed the name to Midwestern State University.

From its beginnings as a municipal junior college housed in a high school building, Midwestern has become a state university whose campus of 179 acres and 48 buildings offers a wide variety of academic programs in liberal and fine arts, mathematics, sciences, business, and applied sciences.

UNIVERSITY ACCREDITATION AND MEMBERSHIP

Midwestern State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award associate, baccalaureate, and master's degrees. Other accreditations and memberships are listed below.

ACCREDITATION	American Chemical Society American Dental Association, Commission on Dental Accreditation Association of Collegiate Business Schools and Programs Association of School of Allied Health Professions Board of Nurse Examiners for the State of Texas Council on Social Work Education Joint Review Committee on Education in Radiologic Technology National Association of Schools of Music National League for Nursing Accrediting Commission Respiratory Care Accreditation Board State Board for Educator Certification Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202, (410) 347-7700
MEMBERSHIP	American Assembly of Collegiate Schools of Business American Association of Colleges of Nursing American Association of Colleges for Teacher Education American Association of State Colleges and Universities American Council on Education

American Society of Journalism and Mass Communication
 Association of Collegiate Business Schools and Programs
 Association of Collegiate Educators in Radiologic
 Technology
 Association of Governing Boards
 Association of Schools of Allied Health Professions
 Association of Teacher Educators
 Association of Texas Colleges and Universities
 Association of Texas Graduate Schools
 College Art Association of America
 Commission on Accreditation of Allied Health Education
 Programs
 College Board
 Conference of Southern Graduate Schools
 Council for Advancement and Support of Education
 Council for Higher Education Accreditation
 Council of Graduate Schools in the U.S.
 National Association of Schools of Music
 National Association of Schools of Public Affairs and
 Administration
 Southern Association of Graduate Schools
 Southwest Theatre Association
 Texas Association of Colleges for Teacher Education
 Texas Association of Music Schools
 Texas Centers for Educational Partnerships
 Texas Consortium for Educational Telecommunications
 Texas Educational Theatre Association
 Texas International Education Consortium
 Texas Music Educators Conference
 United States Institute of Theatre Technology

BUILDINGS AND GROUNDS

The original campus located on Taft Street opened in 1937. It consisted of 40 acres of land donated to the institution by W.B. Hamilton and N.H. Martin. The first building was Hardin Hall which housed all offices and classrooms plus the library, gymnasium, and auditorium.

Today's campus includes 179 acres and 48 buildings. The grounds at MSU are well maintained. A variety of trees and shrubs make the campus one of the prettiest in the region. The instructional buildings are Bea Wood Hall, Ferguson Hall, Fain Fine Arts Center, Fowler Hall, Hardin Hall, Martin Hall, McCullough Hall, McGaha Hall, Memorial Hall, Moffett Library, Music Building, Instrumental Music Hall, Sikes Lake Center, Ligon Hall, O'Donohoe Hall, College of Liberal Arts Hall, Bolin Hall, and Bridwell Hall. Bea Wood and O'Donohoe Halls have been completely renovated and College of Liberal Arts Hall, a new multipurpose classroom building, has been constructed which connects the two existing halls. The renovated space and new construction provides offices and classrooms for the College of Liberal Arts and facilities for the offices of Housing and Residence Life. The north end of Ligon Hall has been renovated and contains a Health and Wellness Center which includes a human resource lab, exercise room, and training facility.

The residence halls include Marchman, Killingsworth, Pierce, and McCullough-Trigg. Bridwell Courts is an apartment complex available to junior, senior, and gradu-

ate students. Three floors have been added to the McCullough-Trigg Hall which provide accommodations for 152 students. This co-ed hall provides individual rooms connected to joint living areas.

More than \$23 million of renovation and construction in the last few years have updated the facilities while still maintaining the campus architectural harmony. A recent \$6.4 million renovation of Bolin Hall provides state-of-the-art equipment in science and computer laboratories. It supplies the students with the most modern science facilities in this region of the country. It houses the geology, biology, physics, chemistry, environmental science, mathematics, and computer science departments. The Clark Student Center includes the Mesquite Dining Hall, a computer lab, and the bookstore. This building also houses meeting rooms and the post office. The \$6 million construction of Bridwell Hall houses the health sciences and human services college including the nursing, radiologic sciences, dental hygiene, and respiratory care departments.

MOFFETT LIBRARY

Moffett Library, named in honor of the late State Senator George Moffett, is housed in a three story building completed in 1964. A major addition and renovation was completed in 1986. The library houses a Media Library, viewing rooms, and group study rooms. The Special Collections Room displays the Nolan A. Moore III Heritage of Print collection. In addition to the general study space, faculty/graduate student carrels and a computer lab are available. Open stacks give users free access to books.

The library is a member of OCLC through its regional network, AMIGOS. The TexShare Library Card provides faculty and student check-out privileges at libraries of state-supported institutions. VOYAGER, the online public access catalog, is a part of the Endeavor Information System, which automates the major library components. LANA, the library's local area network, lets users search journal and newspaper indexes, government information, and the Internet, as well as providing some full-text materials.

Library holdings include over 800,000 volume equivalents, including periodicals, microforms and government publications, as well as a variety of non-print materials. Since 1964, Moffett Library has been a partial U.S. government depository, as well as a depository for state publications.

ENROLLMENT AND FACULTY STATISTICS FALL SEMESTER 2001

	Men	Women	Total
Freshmen	813	1,016	1,829
Sophomores	446	609	1,055
Juniors	440	579	1,019
Seniors	569	816	1,385
Graduate	203	344	547
Post-Baccalaureate	43	91	134
Total	2,514	3,455	5,969
Faculty-Student Ratio			1:20
Full-Time Faculty			197
Part-Time Faculty & Teaching Assistants			122

OFFICE OF PUBLIC INFORMATION AND MARKETING

All official University news, except athletics news, is released through the public information office. This office is also responsible for Channel 2 programming and the Weekly Update which is distributed on campus. It is also accountable for all of the University's marketing and advertising, as well as overseeing the University webmaster.

EX-STUDENTS ASSOCIATION

Any person who has attended Midwestern State or any of its predecessor schools, or wishes to be a friend to the University is eligible to be an active member of the MSU Ex-Students Association.

The Ex-Students Association, established in 1926, seeks to stimulate the interest and participation of alumni in the progress of the University and to promote a feeling of loyalty and fellowship between the institution, faculty, students, alumni, and the community. Membership information is available in the Alumni Relations Office.

CULTURAL OPPORTUNITIES

Cultural and artistic opportunities are offered by Midwestern State University including art exhibits, recitals, theatre productions, workshops, conferences, films, and concerts.

Current release movies, both foreign and domestic, lectures, musical performances, and comedy are regularly presented through the sponsorship of the University Programming Board.

The Artist-Lecture Program offers outstanding speakers of national and international acclaim, drama productions, artists, and musicians. Musical presentations provide a wide range of forms including jazz, rock, folk, and classical.

The wide-ranging performances and activities of the Lamar D. Fain College of Fine Arts have a pervasive impact on the community and region.

The MSU art program, one of the most active of its size in the nation, boasts a continual array of exhibitions and related activities. Through its Visiting Artists Series, the art department annually hosts 6-8 artists who have won regional or national recognition. The visiting artists present lectures, workshops, and exhibitions to students and interested community members. The Visiting Artists Series augments numerous other exhibitions by MSU faculty and students. All B.F.A. students are required to mount a senior show, and the annual Student Art Exhibition features work by students at all levels in the program. Moreover, the art department sponsors an annual High School Art Exhibition, which awards prizes and scholarships to outstanding entrants.

The MSU theatre department offers the public four major productions during the regular academic year and several one-act plays directed by senior students each spring. Sometimes special noon performances of plays are offered to students from local and area schools.

Numerous recitals and concerts by MSU music faculty and students also enrich the cultural life of the campus, community, and region. Students are required to present recitals as part of their academic program, and MSU faculty members regularly perform on and beyond the campus, both individually and in collaboration with other musicians through such groups as the Wichita Falls Symphony Orchestra, the Chamber Orchestra,

and the Musicians' Club. The MSU Concert Band, Jazz Band, and Midwestern Singers perform not only on campus but on tours. Their excursions have included Texas, surrounding states, European countries, and exchange performances with the Monterrey Institute of Technology in Chihuahua, Mexico. An annual opera theatre production has long been an offering of the music department.

INTERCOLLEGIATE ATHLETICS

The University is a member of the National Collegiate Athletic Association (NCAA) Division II in the Lone Star Conference (LSC) and competes for NCAA and LSC championships.

Men's sports include football, basketball, soccer, and tennis. Women's sports include basketball, soccer, volleyball, and tennis. Athletic scholarships are offered in all sports, under NCAA Division II guidelines, and will vary in amount according to the ability and skill level of the individual athlete.

MSU athletes must meet the NCAA Division II eligibility requirements. Rules for incoming freshmen require the satisfactory completion of 13 high school core courses with a GPA of 2.0 or better and a minimum sum score of 68 or better on the ACT, or 820 or better on the SAT. Students must be certified through the NCAA Clearinghouse for competition. Beginning freshmen not meeting the NCAA Division II requirements will be required to be in full-time residence for one school year before gaining eligibility to compete. Information for this process is available through the high school guidance office or the Office of Compliance in Ligon Hall at MSU.

Eligibility rules for transfer students are complex. Any student athlete interested in transferring to MSU should contact the Director of Athletics or the Director of Compliance for a determination of eligibility status.

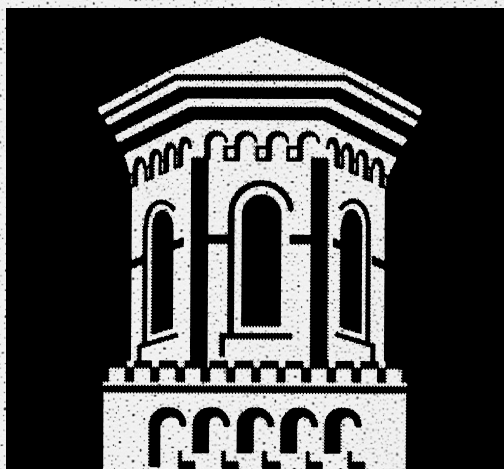
ANTI-DISCRIMINATION STATEMENT

Midwestern State University is an equal opportunity/affirmative action institution and complies with all federal and Texas laws, regulations, and executive orders regarding affirmative action requirements in all programs and policies. Midwestern does not discriminate against any individual because of race, creed, color, sex, national origin, or disability.

STUDENT RIGHT TO KNOW AND CAMPUS SECURITY ACT

Graduation rates of undergraduates, including athletes, are available in the Office of the Director of Institutional Research and Planning. The campus crime statistics can be reviewed at the University Police Office.





STUDENT LIFE

Student Services

Student Rights

Student Activities

University Housing and Residence Life

Health Service

Student Organizations

STUDENT SERVICES

The primary purpose of the area of Student Affairs is the planning and administration of a variety of programs, services, and activities for students that are compatible with the philosophy and objectives of the University.

The University believes its responsibilities to the students include more than academic training in the classroom and the laboratory. It must assist the students in the development of their total personality in a way that will prepare them for a full and satisfying life while attending college and in the succeeding years.

The area of Student Affairs, being concerned with the whole student in his/her total environment, recognizes that what the student learns and experiences in university life significantly influences one's aspirations, development, and achievements. Therefore, the purpose of this area is to enhance the individual's educational experiences through mobilization and coordination of the total resources of the university community in order to develop responsibility within the individual for growth and development.

The Student Affairs programs have three major objectives:

1. to create and maintain an atmosphere conducive to the academic and personal welfare of the student body;
2. to incorporate a living-learning concept through student organizations, student activities and programming, student membership on faculty committees, residence hall programs, health and counseling services, dining hall services, student government, student publications, and special services programs; and
3. to cooperate with all curricular, social, recreational, and religious programs in the University community.

The area of Student Affairs is responsible for the coordination and supervision of services, programs, and activities in the areas of guidance and counseling; student housing, student discipline, student activities, student development programs, social regulations, student organizations, master calendar of events, publication of student handbooks and regulations, yearbook, student medical services, bookstore, food service, and disabled student activities.

The personnel administering the programs listed above in addition to the Vice President for University Advancement and Student Affairs include the Associate Vice President for Student Affairs, Dean of Students, Director of Counseling and Disability Services, Director of Student Activities, Director of Vinson Health Center, University Physician, Director of Housing Programs, Director of Recreational Sports, Director of Campus Dining Services, Director of Bookstore, Director of Clark Student Center, Director of Student Development, and Campus Postal Supervisor.

APPLICABILITY OF REGULATIONS

Enrollment in Midwestern is considered by the University as an implicit declaration of acceptance on the part of the student of University regulations as outlined in the most recent issues of the catalog, the Student Handbook, and the Housing and Residence Life Handbook. The Student Handbook is published once each year under separate cover from the catalog and made available to students at the time of registration or through the Dean of Students' Office. The Housing and Residence Life Handbook is published once each year under separate cover from the catalog and made available to students living in campus housing.

STUDENT RIGHTS

Midwestern State University is an academic community in which all persons share responsibility for its growth and continued well being. As members of the university community, students can reasonably expect the following:

- A. In all instances of general discipline, the student has the right to due process. Due process, as applied to student-university relationships and the disciplinary process, is equated with fundamental and procedural fairness.
- B. Students have the right to freedom from discrimination on the basis of race, gender, age, religion, creed, national origin, disability, or sexual orientation.
- C. MSU considers freedom of inquiry and discussion essential to a student's intellectual development. Thus, the University recognizes the right of all students to engage in discussion, to exchange thought and opinion, and to speak, write, or print freely on any subject in accordance with the guarantees of Federal and State laws.
- D. The University affirms the right of students as citizens to exercise their freedoms without fear of university interference for such activity.
- E. Students have the opportunity to participate in the formulation of policy directly affecting students through membership on appropriate committees as determined by the President of the University, the Student Government Association, and other recognized groups within the University.
- F. Students shall have ready access to established university policies and procedures.
- G. Students, as members of the university community, have the responsibility to participate in any of the disciplinary proceedings and to testify as a witness when reasonably notified. Self-incrimination is not intended or construed.
- H. Students are free to engage in peaceful and orderly protest, demonstration, and picketing at times and in areas designated by the University that do not disrupt functions of the University.
- I. Students are protected from unreasonable searches and seizures.

HUMAN DIGNITY STATEMENT

Midwestern State University is committed to equitable, civilized, and concerned treatment for all individuals without regard for race, gender, age, religion, creed, disability, national origin, or sexual orientation. As members of the academic community, university students enjoy the privileges and share the obligations of the larger community of which the University is a part. Students are entitled to the privileges that accrue to them by virtue of their membership. These privileges carry with them the obligations of responsible citizenship.

FREEDOM OF EXPRESSION - Freedom of discussion, inquiry, and expression is fostered by an environment in which the privileges of citizenship are protected and the obligations of citizenship are understood.

EACH PERSON HAS WORTH AND DIGNITY - It is imperative that students learn to recognize, understand, and celebrate human differences. Universities can, and indeed must, help students become open to the differences that surround them. Differences such as race, religion, age, gender, culture, physical ability, nationality, and lifestyle are learned best in collegiate settings that are rich with diversity, and they must be learned if the ideals of human worth and dignity are to be advanced.

BIGOTRY CANNOT BE TOLERATED - Any expression of hatred or prejudice is inconsistent with the purposes of higher education in a free society. So long as bigotry exists in any form in the larger society, it will be an issue on the college campus. There must be a commitment by the institution to create conditions where bigotry is forthrightly confronted.

RESPONSIBILITY OF STUDENTS - Midwestern State University actively promotes the philosophy that students are responsible for their own lives and learn responsibility when they bear the consequences of their actions and inactions in an environment marked by caring and support.

STUDENT DEVELOPMENT PROGRAMS

The focus on the development of students, organizations, and community emanates from the area of Student Affairs. A wide variety of programs are planned in conjunction with student groups to foster general student development in personal, social, and cultural realms and to appeal to special interest groups. Annual recurring functions include the Artist-Lecture Series that features outstanding artists and speakers, Leadership MSU, Greek Leadership retreats, the Student Employee Leadership Program and other student leadership workshops, and homecoming. The efforts to enhance student leadership have addressed areas such as interpersonal skills, motivation, communication skills, conflict resolution, team building, and leadership programs.

Other programs under this general umbrella include participation in National Collegiate Alcohol Awareness Week, Student Success Series, forums on topics such as human sexuality, interpersonal relations, current events, and student volunteerism. Through orientation programs, incoming students are offered a wide variety of programs that assist them in becoming acclimated to the University environment.

DEAN OF STUDENTS

The Dean of Students is available for general counseling, information, or assistance with any phase of campus life. The Dean of Students Office, in support of the overall mission of the University, promotes the following precepts:

- Students are our most valuable resource.
- Higher education has a responsibility to assist in the development of the whole person both in and out of the classroom.

Toward this end, programs are offered to meet the needs of a diverse student body.

The Dean's Office also administers the Code of Student Conduct, coordinates withdrawals from the University, issues policy interpretations upon request, supports leadership opportunities for students, advises the Artist-Lecture Series Committee, provides special assistance for notification of faculty in emergency situations (i.e., death in the family), student alerts, and serves as the initial contact for student traffic appeals. For additional information, contact the Dean of Students Office, Clark Student Center, or call (940) 397-6273. Distance learners may call the office toll free at 1-888-854-3494.

CLARK STUDENT CENTER

The Clark Student Center is the “living room” of the campus where students, faculty, staff, and guests can enjoy themselves with many of the comforts of home. It promotes learning by providing programs that broaden the learning experiences and enhance the quality of life of the Midwestern State University community. It is also the community center of the campus — a lounge, recreation area, leadership laboratory, conference center, classroom, place to dine and shop, and much more.

Facilities in the Clark Student Center include lounges, dining rooms, food court, kitchen, banquet room, bookstore, commuter lounge, coffee shop, computer lab, recreation center, counseling center and Office of Disability Services, multi-cultural center, information desk, student organization work center, meeting rooms, and administrative offices.

The following administrative offices are located in the Clark Student Center: Associate Vice President for Student Affairs, Dean of Students, Director of Student Center, Director of Student Activities, Director of Student Development, Director of Counseling and Disability Services, Student Center Office, Campus Dining Services, Student Government, Wai-Kun, University Programming Board, Greek Liaison, Student Organizations, and Campus Post Office.

Most of the facilities and services in the student center are free to students and student organizations. Bulletin board space and display cases are available for use by student organizations. Meeting rooms can be reserved through the student center office where the campus master calendar is maintained. Student, staff, and faculty IDs are processed and distributed through the student center information desk as well as ticket sales for campus activities such as the Honors Recognition Banquet and the Artist-Lecture Series.

COUNSELING AND DISABILITY SERVICES

The Counseling and Disability Services Office provides confidential, professional counseling assistance to students for personal, relationship, academic, and vocational concerns. Counselors can assist with stress management, study skills, depression, time management, test anxiety, testing and assessment, referral, and other student needs. Administration and assessment of various interest and personality tests is available to assist students in selecting a major. In addition, the office provides a Resource Room which contains handouts, relaxation tapes, and study aids. Career exploration is also available with *DISCOVER*, a comprehensive computer guidance system.

All counseling services are free to currently enrolled students. A student may request help directly or be referred by staff or faculty. Adequate time will be provided to assist students with their concerns, although the Counseling and Disability Services Office cannot provide long-term individual counseling. Referral assistance is provided when appropriate.

Students may contact the Counseling and Disability Services Office for an appointment in the Clark Student Center, Room 108 or call (940) 397-4618.

SERVICES FOR STUDENTS WITH DISABILITIES

It is the policy of Midwestern State University that no otherwise qualified disabled person be excluded from the participation in, be denied the benefits of, or be subjected to discrimination in any educational program or activity at the University. The Director of the Counseling and Disability Services Office serves as coordinator of accommoda-

tions for students with disabilities and should be contacted concerning initial enrollment, scheduling, and other arrangements. Students are strongly encouraged to contact the Counseling and Disability Services Office as soon as possible before registration to ensure adequate assistance time. The Texas Rehabilitation Commission and the Texas Commission for the Blind work closely with the Counseling and Disability Services Office to provide support services for students who qualify. The Counseling and Disability Services Office may be contacted at (940) 397-4618 or in the Clark Student Center, Room 108. For the telecommunication device for the deaf, call (940) 397-4515.

Additionally, special accommodations for the Quick TASP and the English Usage Exam are arranged by contacting the Counseling and Disability Services Office. Documentation must be received five working days prior to the scheduled testing date in order to receive special accommodations. Accommodations will be limited to non-test form issues (i.e., extended test time, separate testing area). Students needing other accommodations or who wish to apply for testing under SB944 should take the regular TASP.

STUDENT ACTIVITIES

The primary focus of student activities at Midwestern State University is to provide a well-rounded program of activities—social, recreational, and cultural. In addition, there is an attempt to assist student organizations in developing new and innovative approaches to leadership and activities. A major contributor to the overall programming for students is the University Programming Board. This group of students provides various types of programs through the use of student service fee funds, i.e., films, concerts, dances, forums, and special events. The UPB Office is located in the Clark Student Center and all students are welcome to join and contribute.

STUDENT DEVELOPMENT

The Office of Student Development encompasses five major areas within student life.

Leadership Development. Students are offered the opportunity to build leadership skills that can be utilized both throughout their college career and in their lifelong learning. We offer a Leadership MSU course in the fall semester and a Leadership Conference in January, as well as workshops throughout the semester.

Volunteer MSU. Volunteer MSU offers students a place to explore volunteer opportunities in the community. Volunteer MSU will pair students with a local business or non-profit organization in need of volunteers, for a one-time event, or for continuous support. It is a great opportunity to get to know the area, and help others in need.

Greek Life. Students are given the opportunity to join one of our many fraternities or sororities on campus. MSU has four NPC sororities, and six NIC fraternities. In addition, MSU offers historically Black and historically Hispanic Greek organizations. Greek life gives each student involved the opportunity to participate in several community service activities and Homecoming, as well as build contacts that will assist students with career placement.

Multicultural Programming. Students are given a chance to explore the many diverse backgrounds represented at MSU. The Minority Unity Council (MUC) provides diverse programming and activities for our student body. Each year, the MUC participates in the National Black Students Leadership Conference as well as hosting the MSU talent show.

Wai-Kun Yearbook. The yearbook offers students a tangible way to reminisce on memories from their time at college. You can support the university either by purchasing a yearbook, or by joining the Wai-Kun staff.

STUDENT GOVERNMENT

The governing body with the responsibility for effective student government is the Student Government Association of Midwestern State University. The executive authority of the Student Government Association is vested in a President, Vice President, and Secretary. All legislative powers are vested in the Student Senate which consists of senators from student organizations, residence halls, and senators-at-large. Elections are held each spring for the following academic year.

PUBLICATIONS

The Wai-Kun is Midwestern State University's yearbook. It is a pictorial record of the college year including extracurricular as well as academic pursuits. It includes pages and sections for the academic areas, student activities, organizations, and class pictures.

The Wichitan is a weekly newspaper that records the activities and reflects the spirit of the University. The publication seeks to present announcements of the coming events, to report the news of happenings in the different phases of university activity, to furnish students and teachers a democratic medium of expression on University problems, and to afford an opportunity for students of journalism to test their talents.

Voices is the campus magazine. It provides a vehicle for the ideas, opinions, and creative efforts of the total university community.

UNIVERSITY HOUSING AND RESIDENCE LIFE

A. General Program

University Housing and Residence Life offers a unique and important component in the Midwestern State University community. The housing and residence life program is intended to augment the educational purposes of the University by providing an environment conducive to meeting the academic, social, and personal/developmental needs of residential students. Students living in the residence halls and university apartments are offered opportunities for personal growth through community living and social, recreational, and educational programming. Resident Assistants provide valuable information regarding college life from the perspective of an experienced upperclassman. The Residence Hall Association, the student government within MSU housing, serves as a forum for student concerns.

B. Housing Policy

The importance of residential living as an integral component of the university experience is the basis for MSU's housing requirement. All students enrolled at Midwestern State University are required to live in university housing and board at the Mesquite Dining Room, unless they:

1. are living in the home of their parent(s)/legal guardian(s) and commuting to class;
2. are married and living with their spouse;

3. have accumulated 45 semester hours of academic credit prior to the first day of classes for the Housing Agreement period;
4. have reached the age of 21 prior to the first day of classes for the Housing Agreement period;
5. are part-time students enrolled for 11 hours or less for the fall or spring semesters; or
6. are enrolled for evening classes only.

IN UNUSUAL circumstances the Director of Housing Programs may grant exceptions to this policy. Regardless of the reason for a request for an exception, all requests must be made in writing (forms are available at the Office of Housing) and filed with the Director of Housing.

Eligibility for residence is offered first to full-time undergraduate students enrolled at the University. Part-time and graduate students may be offered housing if space is available. A housing reservation commitment and agreement form is for a space in any University residence hall or apartment the University may acquire, lease, or otherwise make available for student housing for the upcoming academic term after execution of the Housing Agreement. The University reserves the right to re-evaluate a student's housing status at any time. The Housing Agreement is with the individual and may not be transferred or assigned by any party other than the Office of Housing.

The student agrees to abide by the policies and regulations of the University and the Office of Housing that are effective or shall become effective during the term of the commitment. The terms and conditions of the policies and regulations are contained in, but not limited to, the *MSU Student Handbook* and the *MSU Housing and Residence Life Handbook*.

C. Facilities

Residence halls include Killingsworth (305 capacity; female only), Pierce (233 capacity; male only), McCullough-Trigg (152 capacity; co-ed), and Marchman (31 capacity; co-ed; single rooms). All are air conditioned with laundry and vending facilities. Special suites for disabled students are available. Social lounges, study areas, recreational areas, and exercise rooms are available to students living in the residence halls. Each hall is under the supervision of a full-time director or graduate assistant who is supported by a staff of Resident Assistants. To enhance students' safety and security, the exterior doors of the halls are locked and only current resident students are issued proximity access cards. Surveillance cameras and a staffed office in each building augment resident students' security.

Apartments in Bridwell Courts offer upperclass students an alternative to living in the residence halls. The facility includes efficiencies, one-bedroom, and two-bedroom apartments for students. In addition, units are available for family housing. The apartments are under the supervision of a full-time director.

D. Food Services Policy

All students living in the residence halls during the fall and spring semesters are required to obtain a meal plan in the Mesquite Dining Room which is conveniently located in the Clark Student Center adjacent to the residence halls. A student may choose a 10, 14, or 19 meals per week plan. A declining balance account is included with every meal plan. A professional food service company manages the dining room. They also provide a food court on a cash basis or accept declining balance accounts.

VINSON HEALTH CENTER

The Vinson Health Center is the student health center for Midwestern State University. Ambulatory care services are provided for the exclusive benefit of MSU students. Medical services are designed to meet the needs of students with acute illnesses and/or injuries. The health center utilizes an emphasis on preventive medicine to enable students to focus on the university curriculum and campus life.

Additional services to promote wellness are provided to ensure each student maintains a state of optimal health. The health center serves as a resource for developmental programming in areas of health promotion, health maintenance and health education. Students may contact the Vinson Health Center by calling (940) 397-4231.

A. Health Data Report

Each student entering Midwestern State University for the first time, regardless of course load or classification, is required to provide the University with a self-declared health data report.

B. Physical Activity Exemption

In cases where an exemption from physical activity is requested, the following should be submitted to the Vinson Health Center:

1. documentation from the student's physician; and
2. a letter from the student requesting the physical activity exemption.

C. Hours

1. The Health Center is open from 7:45 a.m. until 4:45 p.m., Monday through Friday, in fall and spring semesters.
2. The Health Center is open 8:00 a.m. to 1:00 p.m., Monday through Friday, in summer sessions.
3. During the academic year, patients are seen during the following clinic hours, Monday through Friday:

Fall and spring semesters:	8:15 a.m. to 11:00 a.m.
	1:15 p.m. to 4:00 p.m.
Summer semesters:	8:15 a.m. to 12:30 p.m.

Students are seen by appointment, which may be made in person, or by calling (940) 397-4231. A limited number of walk-in appointments may be available, as the schedule permits.

4. During a current semester, an enrolled student may obtain an after-hours referral for an illness or injury needing immediate care. Students will be responsible for charges incurred as a result of the referral. Students should contact 1) a residence life staff member (for campus residents); 2) University police (for off campus students); 3) recreational sports official (for recreational sports injuries only); or 4) athletic trainer (for athletic injuries only).
5. Health services are available only when classes are in session.

STUDENT INSURANCE

Midwestern State University offers an optional student insurance plan which is tailor-made to meet the needs of students. This policy covers a participant on campus, during vacation, and at home for a full 12-month period. Application forms and information pertaining to this plan for domestic students are available at the Vinson Health

Center. Application forms and information pertaining to the plan for international students are available at the International Student Services Office. All international students are required to provide proof of this insurance (including repatriation) or equal coverage (including repatriation) to the designated University official.

STUDENT ORGANIZATIONS

Midwestern State University's student organizations function through the Office of the Director of Student Activities. All registered University student organizations have faculty/staff advisement, general coordination/supervision, and developmental support.

Information regarding present status of all groups, their current officers and membership requirements may be obtained in the Office of Student Activities. Policies, guidelines, and regulations relating to student activities and sponsoring groups may be found in the Student Handbook.

Organizations and councils listed below are active at Midwestern State University.

ACADEMIC ORGANIZATIONS

- Accounting Society
- American Chemical Society
- American Marketing Association
- Association for Childhood Education International
- Association for Computing Machinery
- Association for Systems Management
- Association of Social and Behavioral Sciences
- Biology Club
- Dental Hygiene Association
- English Club
- Geology Club
- Jazz Ensemble
- Kinesiology Club
- Le Club Francais
- Marching Band
- Math Club ($e^{\pi i}$)
- Media Club
- Midwestern Singers
- Phi Chi Theta
- Pre-Law Society
- Pre-Professional Health Science Society
- Respiratory Therapy Association
- Society for Human Resource Management
- Society of Manufacturing Engineers
- Spanish Club
- Student Nurses Association
- Symphonic Band
- University Singers
- Wichitan

GOVERNING COUNCILS

- Interfraternity Council
- Panhellenic Council
- Residence Hall Association
- Student Government Association

GREEK FRATERNITIES

Alpha Phi Alpha
Kappa Alpha Order
Kappa Sigma
Omega Delta Phi
Phi Sigma Kappa
Sigma Nu
Tau Kappa Epsilon

GREEK SORORITIES

Alpha Kappa Alpha
Alpha Phi
Chi Omega
Delta Sigma Theta
Gamma Phi Beta
Sigma Kappa
Sigma Lambda Alpha

HONOR SOCIETIES

Alpha Beta Gamma
Alpha Chi
Alpha Kappa Delta
Alpha Lambda Delta
Alpha Psi Omega
Beta Beta Beta
Delta Mu Delta
Gamma Sigma Alpha
Kappa Delta Pi
Mortar Board
Order of Omega
Phi Alpha
Phi Alpha Theta
Phi Eta Sigma
Pi Sigma Alpha
Psi Chi
Sigma Delta Pi
Sigma Gamma Epsilon
Sigma Tau Delta
Sigma Theta Tau
Tau Beta Sigma
Upsilon Pi Epsilon

RELIGIOUS ORGANIZATIONS

Adventist College Group
Alpha Omega
Baptist Student Ministry
Campus Crusade for Christ
Canterbury Club
Catholic Campus Ministry
Chi Alpha Christian Fellowship
College Life Fellowship
Extreme Ministries
Latter-Day Saints Student Organization
Reality College Ministry
Wesley Foundation

SPECIAL INTEREST ORGANIZATIONS

Amnesty International
As One Gospel Choir
Asian-American Student Association
Caribbean Students Organization
Chessmasters FC
Circle K International
College Republicans
Communication Club
Debate Club
Der Deutsche Verein
Economic and Finance Society
Environmental Science Club
Feminist Majority Leadership Alliance
Georgian House
Habitat for Humanity
Independent Variables
International Student Association
Men of Distinction
Minority Unity Council
National Association for the Advancement of Colored People
Northeast Leo Club
Philosophy Club
Social Workers Acting Together
Society for Creative Anachronism
University Democrats

SPORTS

Cycling Club
MSU Weightlifting Club

UNIVERSITY COMMITTEES

Artist-Lecture Series
Cheerleaders
Student Ambassadors
University Programming Board
Wai-Kun

RECREATIONAL SPORTS

Midwestern State University sponsors an extensive recreational sports program. Activities are provided for men and women as well as co-ed sports.

Competition is held in archery, badminton, basketball, basketball free throw, bowling, darts, flickerball, frisbee golf, football, golf, indoor soccer, pickleball, punt-pass-kick, pool, softball, soccer, table-tennis, tennis, and volleyball. Co-ed competition is held in volleyball, badminton, and tennis.

Other activities may be scheduled by the Recreational Sports Council.

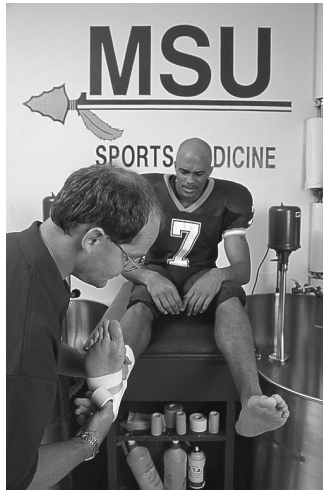
WELLNESS CENTER

The Midwestern State University Wellness Center, consisting of approximately 8,000 square feet, is located in the north end of Ligon Hall. The Wellness Center is equipped with the best equipment available—Cybex.

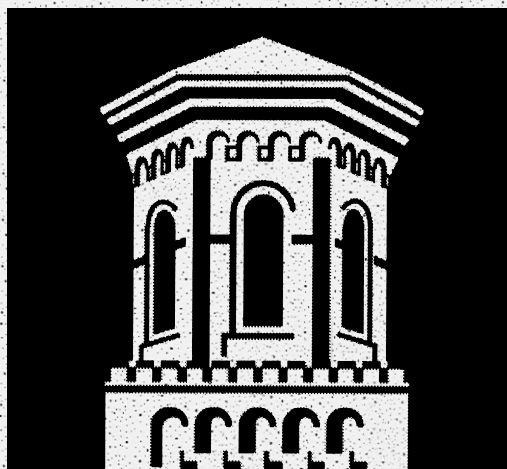
The purpose of the Wellness Center is to provide students with the opportunity to become physically fit while doing so in an enthusiastic atmosphere. The hours of operation are Monday through Friday from 6:00 a.m. until midnight; and Saturday and Sunday from noon until 10:00 p.m.

Inside the Wellness Center, students find enthusiastic workers that are trained on the specific function of each piece of equipment. Also, students will find a 1,100 square foot cardiovascular room equipped with nine pieces of cardiovascular equipment as well as four thirty-six inch Sony flat screen televisions with audio packs available for each one.

Any student may use the Wellness Center as long as they have a valid MSU ID card. Students may also bring a guest to the Wellness Center for a \$2.00 daily charge.







FEES AND FINANCIAL INFORMATION

Payment of Fees

Estimate of Cost per Semester

Registration Fees

Information and Description of Fees

Registration Fee Refunds

Exemptions from Registration Fees

Tuition Rebate

Tuition Limit

FINANCIAL INFORMATION

The question of expense while attending college is of importance to every student. Within the student body there are many diverse living styles and a wide range of financial resources. The students must determine their own budget in keeping with their needs and financial condition. It is possible to live simply and to participate moderately in the life of the college community on a modest budget. The best assistance the college authorities can offer students in planning their budgets is to furnish information on certain definite items of expense and acquaint them with others for which they will have to make provisions.

PAYMENT OF FEES

PAYMENT IS DUE AT THE TIME OF REGISTRATION.

One of the following payment options may be selected:

- 1. Pay the balance in full at registration. The University accepts cash, checks, money orders, MasterCard, Visa, and Discover credit cards. Payment with a credit card is available on the MSU website or by calling the Business Office at (940) 397-4760.
- 2. Installment Plan - Can be used for tuition, fees, room, and board. An installment plan is available during the fall semester, spring semester, and trimesters and provides for three (3) payments. The first payment is due at registration and is one-half of total fees, the second payment is due prior to the sixth week of class and is one quarter of the total fees, and the third payment is due prior to the eleventh week of class and is the final one-quarter. A non-refundable fee of \$22.50 is assessed for this payment option. The installment plan is not available for summer terms.
- 3. Emergency Tuition and Fee Loan - Must be approved by the Financial Aid Office. In addition to a 1% service charge, a \$22.50 loan origination fee will be added to the loan.

Once a payment plan option has been selected, no changes can be made to the payment plan and charges for the plan are non-refundable.

LATE FEES

A late fee of \$30.00 is charged if an installment or tuition and fee loan payment is made after the due date.

NOTE: Midwestern State University reserves the right to change fees in keeping with actions of the Texas State Legislature or the University Board of Regents.

ESTIMATE OF COST PER SEMESTER

Resident students taking 15 semester credit hours

Registration Fees (Fall 2002)	\$1,531.75
*Course Fees (estimated)	150.00
Vehicle Registration (second decal \$5)	<u>32.00</u>
	\$1,713.75

Books (estimated)	450.00
**Room and Board	(14 meals per week plan – Fall 2002 rates)	<u>2,138.00</u>
	(10 meals per week plan \$2,108.00)	
	(19 meals per week plan \$2,217.00)	
		<u>\$4,301.75</u>

Note: These prices are for a semi-private room in Killingsworth or Pierce Hall. The prices for Bridwell Courts, Marchman, and McCullough-Trigg Halls will be higher. Please check with the MSU Housing Office for prices.

Students enrolling in graduate courses will be charged an additional \$10.00 per semester credit hour above the statutory minimum rate (\$44.00) for tuition.

* Course fees are a per semester hour charge based on each class.

** Room and board is subject to change yearly and rates are not available until February prior to the next fall semester. Contact the Housing office for information concerning housing.

REGISTRATION FEES

(INCLUDES TUITION AND MANDATORY FEES)
REGULAR SESSIONS AND TRIMESTERS

Per Semester – Fall 2002

Semester Credit Hours	<u>Texas Resident</u>	<u>Non-Resident</u>
20	1,983.00	6,343.00
19	1,900.00	6,042.00
18	1,817.00	5,741.00
17	1,726.25	5,432.25
16	1,629.00	5,117.00
15	1,531.75	4,801.75
14	1,433.50	4,485.50
13	1,335.25	4,169.25
12	1,237.00	3,853.00
11	1,138.75	3,536.75
10	1,040.50	3,220.50
9	942.25	2,904.25
8	844.00	2,588.00
7	745.75	2,271.75
6	647.50	1,955.50
5	549.25	1,639.25
4	451.00	1,323.00
3	352.75	1,006.75
2	254.50	690.50
1	156.25	374.25

Full tuition and fees will be charged for each regular session and trimester for which the student is enrolled.

SUMMER SESSION

Per Summer Term – Summer 2003

Semester Credit Hours	<u>Texas Resident</u>	<u>Non-Resident</u>
12	1,163.50	3,779.50
11	1,079.50	3,477.50
10	995.50	3,175.50
9	911.50	2,871.50
8	816.50	2,560.50
7	718.25	2,244.25
6	620.00	1,928.00
5	521.75	1,611.75
4	423.50	1,295.50
3	325.25	979.25
2	227.00	663.00
1	128.75	346.75

*Resident tuition for 2002-2003 will be \$44 per semester hour. The increase is included in these figures.

*Non-Resident tuition for 2002-2003 will be \$262 per semester hour.

Students attending courses taught at off-campus sites only will not be required to pay the Student Union/Center fee, the Medical Service fee, or the Wellness Center fee. All other fees are required.

Midwestern State University reserves the right to change fees in keeping with the acts by the Texas Legislature or the University Board of Regents.

Registering under the proper residency classification is the responsibility of the student. If there is any question about classification as a resident of Texas, it is the student's obligation to contact MSU Admissions prior to registration.

ALL CHARGES ARE SUBJECT TO CORRECTION IF NECESSARY FOLLOWING AUDIT.

OTHER FEES

General:

Installment Fee, 3 payment plan	\$22.50
Late Fee (installment plan and tuition and fee loan)	30.00
*Auditing Fee (per course audited)	25.00
Student Property Deposit (a one-time refundable deposit)	10.00
International Student Advisory Fee	50.00

* Senior citizens 65 years of age or older may audit any course offered by Midwestern without payment of a fee if space is available.

Course Fee (per course per semester hour)

ACCT	5.00	BIBL	3.00	DNHY	9.00	ENSC	10.00	HCMA	9.00
AMGT	3.00	BIOL	10.00	ECED	5.00	FINC	5.00	HIST	3.00
AMUS	70.00 *	BUAD	5.00	ECON	5.00	FREN	5.00	HSAD	3.00
ART	9.00	CHEM	10.00	EDLE	5.00	GEOG	3.00	HUMN	3.00
ATRN	8.00	CMPS	6.00	EDUC	5.00	GEOL	10.00	JOUR	3.00
BAAS	3.00	COUN	5.00	ENDR	7.00	GERM	5.00	KNES	8.00
BCIS	5.00	CRJU	3.00	ENGL	3.00	GNSC	10.00	MATH	7.00
MCOM	9.00	MUSC	9.00	POLS	3.00	RESP	9.00	SPCH	3.00
MENT	7.00	MWSU	3.00	PSYC	3.00	SOCL	3.00	SPED	5.00
MGMT	5.00	NURS	9.00	PUAD	3.00	SOST	3.00	STAT	3.00
MKTG	5.00	PHIL	3.00	RADS	9.00	SOWK	3.00	THEA	9.00
MLSC	3.00	PHYS	10.00	READ	5.00	SPAN	5.00		

* per course

Students taking distance learning classes are charged a fee of \$25.00 per credit hour in addition to the course fee.

Late Application/Registration Fee	25.00
Returned Check Charge	15.00
Vehicle Registration (see explanation)	32.00
Duplicate or second decal	5.00

DEGREE FEES:

Graduation Fee	20.00
Thesis Binding (per copy)	15.00

Room and Board Charges (see information listed in the "INFORMATION AND DESCRIPTION OF FEES" section.)

TESTING FEES:

ACT Test	25.00
CLEP	56.00
Correspondence Test	10.00
DANTES	56.00
English Usage	15.00
ExCET	72.00
GED Test (for non-high school graduate)	65.00
(In 2003, the GED Test fee will increase to \$75.00)	
GMAT	200.00
GRE (as of October 2002)	115.00
LSAT	103.00
MAT	45.00
MCAT	180.00
Proctoring Fee for Web-based or Web-CT Exams	10.00
Proficiency Examination	35.00
SAT Test	25.00
TASP Test	29.00
TCLEOSE	20.00
TOEFL	110.00

INFORMATION AND DESCRIPTION OF FEES

Tuition Fee. (Sec. 54.051 Tex. Ed. Code). Tuition for resident students, except as otherwise hereinafter provided, is \$44 per semester credit hour.

For the academic year Fall 2002 and for the summer session 2003, tuition for non-resident students, except as otherwise hereinafter provided, is \$262 per semester credit hour.

Oklahoma Residents. The Texas Higher Education Coordinating Board authorized Midwestern State University to charge all residents of Oklahoma the Texas in-state tuition rate, plus an additional \$30 per semester credit hour. Residents of Oklahoma counties that border on Texas may be charged in-state tuition without the extra \$30 per semester credit hour. These counties are: Beaver, Beckham, Bryan, Choctaw, Cimarron, Cotton, Ellis, Harmon, Jackson, Jefferson, Love, Marshall, McCurtain, Roger Mills, Texas, and Tillman. The lowered tuition rates may not be used for graduate students.

Thesis Only. Tuition is \$50.00 plus mandatory fees.

Local Tuition (Sec. 55.16 Tex. Ed. Code). The Board of Regents of Midwestern State University is authorized to charge and collect from students and others for the occupancy, services, use, and/or availability of all or any of its property, buildings, structures, activities, operations, or other facilities, in such amounts and in such manner as may be determined by the Board; provided, however, that all local tuition shall be fixed and collected in proportion to the number of semester credit hours for which a student registers, and shall not exceed \$44 per semester hour.

Student Service Fee. (Sec. 54.503 Tex. Ed. Code). The Board of Regents of Midwestern State University is authorized to charge and collect fees from students to cover the cost of student services which the Board deems necessary or desirable in carrying out the educational functions of Midwestern State University. The fees charged and collected will be \$14.25 per semester credit hour with a maximum charge of \$250 for any one semester or summer session.

Student Services include such services as recreational activities, recreational sports, medical services, intercollegiate athletics, artist-lecture series, cultural entertainment series, musical activities, student publications, student government, and any other student activities and services specifically authorized and approved by the Board of Regents.

Student Center Fee (Sec. 54.518 Tex. Ed. Code) and **Student Union Fee** (Sec. 54.515 Tex. Ed. Code) have been combined into a **Student Union/Center Fee** for a charge of \$35 per semester or \$17.50 for each term of the summer session for the purpose of operating, maintaining, improving, equipping, and financing the university center and acquiring or constructing additions to the center.

Student Property Deposit. (Sec. 54.502 Tex. Ed. Code). The Board of Regents of Midwestern State University is required to charge and collect fees from students to insure the institution against losses, damages, and breakage in libraries and laboratories. The deposit charged and collected will be \$10.00 at the time of enrollment. The deposit shall be returned on the withdrawal or graduation of a student, less any loss, damage, or breakage caused by the student. The deposit will be refunded only with a written request from the student or students may sign over the property deposit to the MSU Ex-Students Association for alumni programming.

Automobile Registration. (Sec. 51.202 Tex. Ed. Code). All students, faculty members, and employees of the University who park or operate a motor vehicle on uni-

versity property must register such vehicle and obtain and display as directed, a registration decal. This decal is not a parking permit and does not guarantee available parking space, but simply allows legal operation of a motor vehicle on university property.

Parking space for campus visitors and university guests is located behind and west of Hardin Hall.

Medical Service Fee. (Sec. 54.5082 Tex. Ed. Code). The Board of Regents of Midwestern State University is authorized to charge a Medical Services Fee not to exceed \$15.00 for each semester of the regular term and not to exceed \$7.50 for each term of each summer session. The Medical Services Fee is to be used only to provide an on-campus physician and medical services to students.

Incidental Fees. (Sec. 54.504 Tex. Ed. Code). The governing board of an institution of higher education may fix the rate of incidental fees to be paid to an institution under its governances by students and prospective students and may make rules for collection of the fees and for the distribution of the funds.

1. **Graduation Fee.** A fee of \$20.00 must be paid at the time applicant files for graduation. No refunds will be made after the final date for application for graduation or for students graduating in absentia. Caps and gowns may be purchased at the University Bookstore during the three week period prior to graduation.
2. **Library Usage Fee.** A fee of \$2.00 per student for each regular term and \$1.00 per student for each summer term will be collected to cover operating costs of the library that are not currently being met by state appropriations or other local income.
3. **Publication Fee.** A fee of \$5.00 per student for each regular term and \$2.50 per student for each summer term will be collected to cover the expenses involved in the publishing and distribution of class schedules, catalogs, and other published materials.
4. **Computer Usage Fee.** A fee of \$5.00 per semester credit hour will be charged and collected from students to cover the costs of operating, maintaining, and upgrading computer labs available for student use on campus as well as other expenses which the Board of Regents deems necessary or desirable in carrying out the computing functions of Midwestern State University.
5. **International Education Fee.** A fee of \$1.00 per student for each semester will be collected to assist students participating in international exchange or study program. (Beginning Spring 2003, the fee will increase to \$4.00 per student for each regular term and \$2.00 per student for each summer term.)
6. **Wellness Center Fee.** A fee of \$1.00 per semester credit hour will be charged and collected from students to cover to expenses of the Fitness Center/Weight Room in Ligon Hall.

Reservation and Room Deposit. The housing reservation deposit fee serves as an application fee to reserve a room. Once a student occupies a room, the housing reservation/room deposit is indemnity for the University against housing damages. Within 30 days after the close of the semester and upon written request to the Office of Housing, the room deposit may be refunded by the Business Office. Students wishing to leave their deposits to reserve a room for a later date must notify the Office of Housing.

Room and Board Charges and Refunds. Room and board fees for the fall and spring semesters may be paid in full at the beginning of each semester (at registration) or through a selected payment plan. Refunds are based upon the date of departure as

verified by the Office of Housing and only if a Housing Departure Notice has been approved and proper check-out procedures have been followed.

Room rent for the summer terms must be paid in full at the beginning of each term (registration).

IF AVAILABLE, a student may request and be assigned to a private room. The additional fee for a private room, \$450 in addition to the semi-private, must be paid in full at the time of assignment even if the student selects an optional plan for payment of room and board fees. The additional charge for a private room will be prorated if the student is assigned to a private room after a semester has begun.

If a student is approved by the Director of Housing to move out of university housing and he/she officially checks out of his/her room, a refund of room and board charges will be based upon the date of clearance from Housing. Board refunds are based upon a weekly prorated schedule. Room refunds follow the Registration Fee refund schedule below.

A student has a choice of three meal plans: (1) ten meals per week (minimum required), (2) fourteen meals per week, or (3) nineteen meals per week. The student selects the plan he/she wishes at the time he/she applies to live in university housing. **A change in meal plan selection can be made at the Housing Office during the second week of the semester.**

For additional information concerning housing requirements, facilities, reservations, deposits, and the current fee schedule, contact the Office of Housing, 3410 Taft Boulevard, Wichita Falls, TX 76308-2099 or at (940) 397-4217.

REGISTRATION FEE REFUNDS

Withdrawal Refunds. A student officially withdrawing from the University is eligible for refund of tuition and fees according to the following schedule:

Regular Semester

1. Prior to the first class day*	100%
2. During the first 5 class days	80%
3. During the second 5 class days	70%
4. During the third 5 class days	50%
5. During the fourth 5 class days	25%
6. After the fourth 5 class days	None

Summer Term

1. Prior to the first class day*	100%
2. During the first, second, or third class day	80%
3. During the fourth, fifth, or sixth class day	50%
4. Seventh day of class and thereafter	None

Trimester

1. Prior to the first class day*	100%
2. During the first 5 class days	80%
3. During the second 5 class days	70%
4. During the third 5 class days	50%
5. During the fourth 5 class days	25%
6. After the fourth 5 class days	None

Mini Term (3 week course)

1. Prior to the first class day*	100%
2. During the first class day	80%
3. During the second class day	50%
4. After the second class day	None

*Prior to the first official class day.

Withdrawal refunds will be mailed to the address on file at the Business Office.

Dropped Course Refunds. A student dropping a course within the first 12 class days of a regular semester, the first 8 class days of a trimester, or the first 4 class days of a summer term is eligible for a refund of applicable tuition and fees for the course dropped, provided the student remains enrolled at the University for that semester or term. If the first class day of the course or courses being dropped is later than the (12th) twelfth class day of the semester, the date for dropping a course or courses and receiving a refund will be extended to the date the class first meets. Audit fees are refunded in correspondence to dropped courses.

Pro Rata Refunds. The “pro rata” refund applies to any student who is attending the University for the first time, receives Title IV financial aid, and withdraws before completing 60% of the enrollment period. For more information, refer to the Financial Aid section of this catalog or contact the Financial Aid Office.

General. Determining date for refunds is based on the date the application for a refund is received by the Business Office. Refunds will not be made for yearbooks, parking permits, or installment fees without notification from the appropriate office. Detection of errors during fee assessment is the responsibility of the student.

EXEMPTIONS FROM REGISTRATION FEES

Hazlewood Act (Sec. 54.203 Tex. Ed. Code)

A Texas veteran may be exempted from certain required fees if the veteran:

1. was a bona fide legal resident of Texas at the time of entry into service and has resided in Texas for a period of not less than twelve (12) months prior to registration;
2. served in the United States armed forces or in certain auxiliary services and received an honorable discharge from the armed forces; and
3. is not eligible to receive educational benefits under federal legislation in effect at the time of registration with the following provisions:
 - a. A student in default on federal or state loan may not receive Hazlewood benefit.
 - b. A student may receive partial Hazlewood benefit for an amount equal to the difference in their federal benefits and the amount they otherwise would have received through Hazlewood.

A maximum of 150 credit hours may be attempted using the Hazlewood benefit.

The Hazlewood Act exempts a qualifying student from tuition, local tuition, student union/center fee, publication fee, library fee, computer usage fee, medical service fee, international education fee, wellness center fee, and course fees. The student is responsible for the property deposit fee, student service fee, parking, and other optional fees. To obtain this exemption, the veteran must:

1. Apply for Federal Student Aid through the MSU Financial Aid Office. This process must be repeated each spring term. Forms for Federal Aid are available by January 31 of each year and should be completed by April 1.

2. Request a letter from the Department of Veterans Affairs stating ineligibility for Veterans Educational Assistance. The student may request this letter by calling 1-800-827-1000.
3. Provide the original or certified copy of discharge papers DD214. Certified copies are available only from a county clerk.
4. Complete a Statement of Qualifications available from MSU Veterans Affairs Office or at <http://registrar.mwsu.edu/veterans>.

All required documents must be furnished to the MSU Veterans Affairs Office one month before registration when applying for this exemption.

The above exemption of certain fees also extends to children of members of the armed forces who were killed in action or died while in service, who are missing in action, or whose death is documented to be directly caused by illness or injury connected with service in the armed forces of the United States. Exemption also applies to orphans of members of the Texas National Guard and the Texas Air National Guard killed since January 1, 1946, while on active duty.

Children of Certain Disabled Public Employees (Sec. 54.204 Tex. Ed. Code)

Children of certain firemen, peace officers, employees of the Texas Department of Corrections, and game wardens who have suffered injury resulting in death or disability sustained in the line of duty are exempt from payment of all dues, fees, and charges. Application for this exemption should be made to the Commissioner, Texas Higher Education Coordinating Board.

Deaf and Blind Students (Sec. 54.205 Tex. Ed. Code)

Certain deaf and blind persons who are Texas residents are eligible for exemption from payment of all dues, fees, and enrollment charges. Application for this exemption should be made to the Commissioner, Texas Higher Education Coordinating Board.

Good Neighbor Scholarship (Sec. 54.207 Tex. Ed. Code)

Certain native-born students from other nations of the American hemisphere may be eligible for exemption of tuition following approval of the State Board of Education.

Honor Graduate (Sec. 54.201 Tex. Ed. Code)

The highest ranking graduate of each accredited Texas high school is eligible for a scholarship which provides full exemption from tuition for both semesters of the first regular session immediately following graduation. When in the opinion of the institution's president the circumstances of an individual case (usually military service) merit such action this exemption may be granted for any one of the first four regular sessions following that individual's graduation from high school. Application for this exemption should be made in the Business Office.

Children of Prisoners-of-War or Persons-Missing-in-Action (Sec. 54.209 Tex. Ed. Code)

Dependent children of any person who is a domiciliary of Texas on active duty as a member of the armed forces of the United States, and who at the time of registration is classified by the Department of Defense as a prisoner-of-war or as missing-in-action are eligible for exemption of tuition and fees. Application for this exemption must be made at the Business Office well in advance of the student's registration.

Students in Foster or Other Residential Care. (Sec. 54.211 Tex. Ed. Code)

A student is exempt from the payment of tuition and fees (except local tuition) authorized if the student:

1. was in foster care or other residential care under the conservatorship of the

- Department of Protective and Regulatory Services on or after the day preceding the student's 18th birthday; and
2. enrolls in an institution of higher education as an undergraduate student not later than the third anniversary of the date the student was discharged from the foster or other residential care.

These students are exempt from tuition, fees, and charges. Application for this exemption must be made at the Business Office well in advance of the student's registration. Documentation from the Department of Protective and Regulatory Services must be provided upon application.

Aid for Dependent Children (AFDC) Tuition Exemption (House Bill 1479)

This bill allows for a one-year exemption from payment of tuition for AFDC students who meet the following criteria:

1. graduation from a public high school in Texas;
2. completion of high school attendance requirements of Section 21.032 of the Education Code;
3. during the last year in high school, receipt of financial assistance under Chapter 31, Human Resources Code (AFDC), for not less than 6 months;
4. age of less than 22 years at the time of enrollment in college;
5. enrollment in college within 12 months of his/her date of high school graduation;
6. attainment of institution's entrance requirements; and
7. tuition status of Texas resident.

Students should have copies of DHS certificates, indicating their eligibility for AFDC. The DHS certificates can be acquired through the local DHS eligibility office.

Family Unity Program

It is possible for eligible noncitizens to qualify to pay resident tuition rates and qualify as residents for state financial aid through the Immigration and Naturalization Services' Family Unity Program.

A noncitizen is eligible to apply for benefits under the Family Unity Program if he or she, 1) entered the U.S. on or before May 5, 1988, and has been residing in the U.S. since that date; and 2) was the spouse or unmarried child of a legalized alien, and has remained eligible since May 5, 1988 (i.e., continues to be the spouse or unmarried child of a legalized alien).

An individual proving his/her eligibility should provide the University copies of two INS forms I-797, one which indicates an INS-approved "Application for Voluntary Departure under the Family Unity Program," and the other which must indicate either an INS-approved "Immigration Petition for Relative" or a "Visa Petition for Spouse."

Early High School Graduates (House Bill 1479)

This bill provides a tuition exemption totaling up to \$1,000 to students who:

1. have written approval from their parent or parents to receive the award;
2. completed the requirements for graduation from a public high school in no more than 36 consecutive months;
3. have attended high school only in Texas;
4. are bona fide Texas residents; and
5. if attending a private institution, have a commitment from the private institution to provide a matching tuition scholarship.

Eligible students must contact the Coordinating Board, providing proof from the high school that their early high school graduation was with the approval of a parent,

that they met the 36 month requirement and have attended high school only in Texas. After confirming the student has not already received the \$1,000 tuition credit, the Coordinating Board will issue the student a certificate of eligibility.

When the student registers, the certificate must be presented to the University; the University will confirm the student's Texas resident status, and if appropriate, grant the student a tuition exemption of up to \$1,000.

Certified Educational Aides (House Bill 571)

The program exempts eligible students attending public colleges or universities in Texas from the payment of tuition and fees (other than class or laboratory fees) per semester of eligibility. Spring term exemptions are conditional upon meeting college academic requirements in the fall. Summer awards are dependent upon the availability of funds. Individuals who receive awards in one year may apply for awards in subsequent years. For more information about this exemption, contact the Financial Aid Office, your school district office, or the Texas Higher Education Coordinating Board.

Disabled Peace Officers (House Bill 640)

This legislation allows the Board of Regents to waive tuition and fees for disabled peace officers. An officer becomes eligible if he/she is a resident of the State of Texas for at least twelve months immediately preceding the beginning of the semester, becomes permanently disabled as a result of an injury suffered during the performance of the duty as a peace officer, and is unable to continue employment as a peace officer because of this disability. The agency which employs the peace officer must certify to the University that the officer was disabled in the line of duty.

TUITION REBATE

Tuition Rebate for Certain Undergraduates (Sec. 54.0065 Tex. Ed. Code)

A qualified student, who enrolled for the first time in an institution of higher education in fall 1997 or later, is eligible for a rebate of up to \$1,000.00 of the undergraduate tuition the student has paid if the student:

1. is awarded a baccalaureate degree from a general academic teaching institution;
2. has attempted no more than three hours in excess of the minimum number of semester credit hours required to complete the degree, including transfer credits and course credit earned exclusively by examination; and
3. has been classified as a resident of the state of Texas at all times while pursuing this degree, and must have attempted all coursework at a Texas public institution of higher education.

TUITION LIMIT

Concurrent Enrollment in Two Public Institutions of Higher Education (Sec. 54.062 Tex. Ed. Code)

When a student registers at more than one public institution of higher education at the same time, the tuition charges shall be determined in the following manner:

1. The student shall pay the full tuition charge to the first institution at which the student is registered, and in any event shall pay an amount at least equal to the minimum tuition.
2. If the minimum tuition charge at the first institution is the same as or greater than the minimum tuition charge at the second institution, then no minimum

charge is to be assessed by the second institution but rather only the per hour charge for the courses involved will be assessed by the second institution.

3. The student shall first register at the institution with the lower minimum tuition charge and the second institution shall assess only the difference between the total tuition charges at the first institution and those of the second institution, except that in no case shall the student pay the second institution less than the hourly rates for the courses involved.
4. If a student is considered to be a Texas resident and therefore qualified to pay, the student shall be considered a Texas resident at each of the institutions at which he/she is concurrently registered for the purposes of determining the proper tuition charges.

Application for this program should be made at the Office of the Registrar well in advance of registration. Normally the fee slip from the first institution will suffice as proof of registration at the institution.

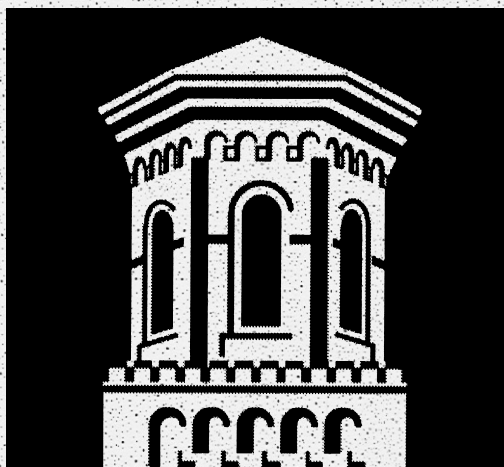




Tree Planting Honoring Retiring Faculty 2002



Reception Honoring Class of 1951



ACADEMIC SERVICES

Admissions
Career Management Center
Financial Aid
Registrar
Testing Services
Upward Bound

HOW TO APPLY FOR UNDERGRADUATE ADMISSION

Undergraduate students should complete the following steps at least six weeks prior to the semester for which they seek admission, but no later than the deadline for application published in the University's bulletins. Beginning freshmen are required to apply and have all credentials on file by the application deadline. Midwestern State does not have an application fee. Students may apply online via the Texas Common Application at <http://www.applytexas.org> or at <http://www.mwsu.edu>. Students desiring early notification of tentative acceptance should refer to the section on Early Notification of Acceptance. Students who do not meet application deadlines must register at late registration. A late registration fee will be assessed.

1. **Application for Undergraduate Admission** must be filed with MSU Admissions by the following deadlines:

Fall	-	August 7
Spring	-	December 15
Summer I	-	May 15
Summer II	-	June 15
Trimesters	-	See trimester calendar or Schedule of Classes.
2. **Official Transcripts** must be filed from all institutions in which the student has previously enrolled (high school and each college or university). Official transcripts must be mailed directly from the institution attended to MSU Admissions. Handcarried transcripts are not official.
3. **American College Test (ACT) or Scholastic Aptitude Test (SAT)** scores are required of all beginning freshmen under the age of 21, transfer students under 21 who have fewer than 18 earned semester hours, and those who do not meet the high school rank/unit requirements. These tests are administered throughout the United States and in many foreign countries in September, October, December, February, April, and June. It is recommended that applicants take the examination during the fall semester of their high school senior year or, at least four months prior to enrollment at MSU. The student should contact ACT or SAT immediately if the test has been taken but the scores were not sent to MSU. High school officials can provide further information.

If it is impossible for the applicant to take the national test, Midwestern State University offers a residual ACT test prior to each semester. There is no pre-registration for this test. A student must report to the test site with a picture ID, #2 pencils, and the test fee. MSU Admissions receives the results of this test within one to two days after the test date. Contact Testing Services at <http://testing.mwsu.edu>.

Please note that a residual ACT score **cannot** be used for TASP exemption or for athletic eligibility. Other colleges **may not** accept a residual ACT taken at MSU for their admission requirements. Students may not retake a residual ACT within sixty days. For more information about the ACT test, please contact MSU Admissions, Testing Services, or refer to the academic calendar for test dates.

Early Notification of Acceptance: A beginning freshman student desiring early notification of a tentative acceptance to the University may submit an application, either ACT or SAT scores, and a copy of the official high school transcript reflecting grades through the sixth semester of the junior year. A projected date of graduation and class rank should be indicated on the transcript. Tentative acceptance may be advanced to full acceptance for admission after graduation from high school is verified with MSU Admissions by submission of an official high school transcript showing date of graduation and rank in class.

Orientation Ticket: This ticket will be forwarded to the student when the Application for Undergraduate Admission, entrance examination scores, and official transcripts have been received and the student has officially been accepted to MSU.

Temporary Admission: If it is impossible for a transfer student to obtain official transcripts prior to registration, a tentative enrollment may be permitted under a Temporary Admission Status. The student must certify that he/she will have an official transcript of all college work attempted sent to the Admissions Office at Midwestern State University. If the transcripts are not received within three weeks from the first day of classes during the long term, or if the student does not meet the admission requirements when the credentials arrive and are evaluated, he/she may be automatically withdrawn from the University. This action will be posted to the student's permanent academic record as "enforced withdrawal." Tuition and fees will be refunded in accordance with the "Schedule of Refunds" effective on the date of withdrawal as outlined elsewhere in this catalog. A student admitted on a Temporary Admission Status is responsible for determining his/her admissibility according to MSU admission requirements and course prerequisites and for providing official credentials within the three-week period.

Falsification of Records: Students who knowingly falsify or are a party to the falsifying of any official university record (including such records as transcripts and application for admission, TASP status, student personnel forms, etc.) will be subject to disciplinary action which may include suspension from the University.

UNDERGRADUATE ADMISSION REQUIREMENTS

AUTOMATIC ADMISSION

Students will be admitted if they graduate in the top twenty-five percent of their class from an accredited Texas public high school and if they meet the following conditions:

1. graduated from high school within the two years prior to the academic year for which admission is sought; and
2. submitted a complete application and an official transcript from the high school before the deadline.

Students in this category may be required to enroll in certain courses in the summer after graduation or during the first semester of enrollment. ACT/SAT scores must be submitted.

UNCONDITIONAL ADMISSION

For unconditional admission students must graduate from a high school accredited by a regional accrediting agency or from a high school accredited by the Texas Education Agency and must meet the following high school unit, class rank, and SAT/ACT score requirements:

Units Required

- 4 English (non-remedial)
- 3 mathematics (2 at Algebra I level or above)
- 2 science
- 6 academic electives*

*Academic electives: mathematics, science, U.S. history, U.S. government, world history, world geography, economics, social sciences, foreign languages, fine arts, computer science, business, journalism, speech, and physical education (limit of 2 units from band, choir, or P.E.).

<u>Class Rank</u>	and	<u>SAT/ACT Scores:</u>
1st Quarter		no minimum
2nd Quarter		870/18
3rd Quarter		950/20
4th Quarter		1030/22

Students whose high school transcript does not reflect ranking must submit scores of 1030/22 to be considered for unconditional admission.

All beginning freshmen, under 21 at the time of registration, and transfer students, under 21 years of age, who have fewer than 18 earned semester hours must take the SAT or ACT. Students 21 years of age or older will not be required to take the ACT or SAT if they graduated in the top half of their class and meet all unit requirements.

CONDITIONAL ADMISSION BY REVIEW

To be eligible for conditional admission by review, a student must have no more than one high school unit deficiency and an ACT composite score of 16 or higher or a (recentered) SAT total score of 780 or higher. If the student is eligible for admission by review, the Admissions Committee will base its admission decision on an evaluation of the student's high school GPA, units, and SAT/ACT scores.

The Admissions Committee may determine the allowable course load up to a maximum of 15 hours, restrictions deemed necessary, required or needed developmental courses, and a recommendation concerning study skills courses and available resources.

All beginning freshmen, under 21 at the time of registration, and transfer students, under 21 years of age, who have fewer than 18 earned semester hours must take the SAT or ACT. Students 21 years of age or older will not be required to take the ACT or SAT if they graduated in the top half of their class and have no more than one high school unit deficiency.

GED Students - Students who pass the GED examination in lieu of the high school diploma must meet the requirements listed below. The student must have been out of high school for at least six months and must meet all state requirements for GED testing. The unit requirements will be met if a score of 50 (for those who tested prior to January 1, 2002) or a score of 500 (for those who tested after January 1, 2002) is achieved on all sections of the GED. An average of Test 1 and Test 4 is used for the English score. Applicants who meet minimum state requirements (average of 45 or no score lower than 40; effective January 1, 1997, the state minimum is at least an average of 45 **and** no score lower than 40; effective January 1, 2002, the state minimum is at least an average of 450 and no score lower than 410) and do not meet the unit requirements may be considered on an individual basis. GED students under 21 years of age must submit an ACT or SAT score. Students over 21 years of age must submit an ACT or SAT score if the unit requirements are not met. All GED students will be reviewed by the Admissions Committee and may be given restrictions with which they must comply.

HIGH SCHOOL CONCURRENT PROGRAMS

There are several programs available for students who are still in high school. If the students qualify for admission under one of these programs, they must also comply with TASP regulations.

Individual Enrollees: Under the following guidelines, the University will consider applications from high school senior students to enroll in regular university freshman level classes concurrently with or during the summer session immediately preceding the last year in high school. The student must:

- a. be within two semesters of graduation;
- b. submit composite ACT or SAT scores of at least 22 or 1030;
- c. submit a high school transcript reflecting at least a "B" average in English, mathematics, science, and social studies;
- d. not have a failing score on the exit level TAAS;
- e. have parental approval and either principal or counselor recommendation; and
- f. take all sections of the official TASP test unless the student is TASP exempt.

Midwestern State University will mail the grade reports to the student upon completion of each semester. An official high school transcript, showing graduation date and rank, should be sent to MSU Admissions as soon as it is available. Official Midwestern transcripts will be available when the final high school transcript is received. If a transcript is required prior to graduation, the student should contact the Office of the Registrar.

University/School Programs: Midwestern State University has written agreements governing special concurrent enrollment programs with various area schools. Contact MSU Admissions for application information.

Spectrum Program: Spectrum is a competitive scholarship program affording academically talented high school students the opportunity to earn college credits through a summer enrichment program running concurrently with the Summer I term. The program is primarily designed for students who at the time of their application are in the second semester of their junior year; however, students in the second semester of their sophomore year may also apply and are occasionally selected to participate. Contact the Spectrum Coordinator for additional information.

SPECIAL ADMISSION

Concurrent Enrollment at Other Institutions: Concurrent enrollment at other institutions will not be allowed without prior written permission of the Vice President for Academic Affairs or a designee.

Admission as an Undergraduate External (Non-degree) Student: The program is intended to streamline the admission process for adults who wish to take only one or two courses for self or professional improvement. Courses taken under this status may not necessarily be applicable to certain University degree programs.

All non-degree students must meet University admission standards and certify such eligibility. In addition, students must meet TASP requirements. Approval for admission is granted on an individual basis. Students who have been denied admission to the University may not register in this category. Students who anticipate enrolling in more than two semesters are encouraged to apply for regular admission. Students have ample time to order transcripts and process admission credentials after the beginning of a semester if late decisions are made.

Non-degree students are limited to a maximum of two courses per fall or spring semester and one course per summer term. A maximum of nine hours may be earned by students in this category. Such students are required to achieve the same level of academic standards for continued enrollment as other students.

NOTE: Non-degree students are not eligible for financial aid. Students must meet all admission requirements to change from non-degree to degree status.

Individual Approval. Students who do not meet the admission requirements are encouraged to apply for individual consideration. In addition to the high school tran-

script and ACT/SAT scores, the student should supply information about socioeconomic background, bilingual proficiency, financial status and performance level of high school district, region of residence, family educational background, involvement in community activities, extra-curricular activities, responsibilities while attending school (employment and/or raising children), commitment to a particular field of study, admission to a comparable accredited out-of-state institution, and any other information which might be helpful to the Admissions Committee.

Students who graduate from an unaccredited high school or home study program will be considered for admission on an individual basis. ACT/SAT minimum scores for conditional admission are required.

Academic Fresh Start Elective. At the time of application a resident of this state may apply for admission and enroll as an undergraduate student under the academic fresh start program. If an applicant elects to seek admission under this program, Midwestern State University shall not consider academic credits or grades earned by the applicant ten or more years prior to the starting date of the semester. If the applicant applies and is admitted under this program, the student may not receive any credit for courses undertaken ten or more years prior to enrollment under the fresh start program.

A student electing to be admitted under this program must meet the admissions criteria as any other student seeking admission to the University; i.e., if all of the courses are under the fresh start program, the student must meet the beginning freshman criteria. Official copies of all transcripts are required even if the courses at the other institutions are included in the academic fresh start program.

An applicant seeking admission under the fresh start provisions must complete the appropriate form at the Office of the Registrar before registration. The student should carefully consider all provisions of the fresh start program, because after the student has chosen to enroll under this program and has filed the above-mentioned form, the decision cannot be revoked.

ADMISSION BY TRANSFER

The applicant for admission by transfer with 18 or more non-developmental credit hours completed must have a cumulative grade point average of 2.0 and be eligible to enroll at all institutions attended. Applicants with fewer than 18 non-developmental hours must have a cumulative grade point average of 2.0, be eligible to enroll at all institutions attended and meet beginning freshmen admission requirements.

Before a transfer student may register, he/she must submit official transcripts from all post-secondary educational institutions and colleges attended regardless of whether transfer credit was earned. In no case is the student's registration complete until these official transcripts are on file with MSU Admissions. Midwestern State accepts transfer work from schools accredited by regional accrediting bodies.

If a student has successfully completed the core curriculum at another Texas public school, as verified by the transcript, that block of courses will fulfill Midwestern's academic foundations and core curriculum. A student who has not completed the core curriculum elsewhere will be required to complete Midwestern's core.

After eligibility to re-enroll in all previous institutions attended has been established, the transfer student's scholastic record is then evaluated on the basis of minimum scholastic standards in effect at Midwestern State University. Students who have been suspended at prior institutions will maintain the suspension in their academic history. For example, a student who was suspended once at a prior school will be assessed

a second suspension if the MSU minimum academic standards are not met at the end of the first semester at MSU or upon completion of twelve hours. (See Table of Academic Standards on page 61.)

A former Midwestern State student, who has attended another school since attending Midwestern, will be considered a transfer student in evaluating credentials for readmission.

Grades of D will be accepted in transfer from regionally accredited colleges. If the student does not present an overall C average on the courses accepted in transfer, he/she must make up the grade point deficiency on work attempted at Midwestern State University. For example, a student transferring a D in a course would have a grade point deficiency of three. The student must make at least a B in a course at Midwestern to offset the D accepted in transfer.

To qualify for a degree from Midwestern State University a student must have a C (2.0) major, minor, and cumulative grade point average on all work attempted at MSU as well as on all work counted toward the major, minor, and cumulative degree requirements, i.e., C average on MSU work attempted and transfer work accepted. Some programs require more than a 2.0 grade point average on major and minor hours. The student should consult with the academic adviser about specific program requirements.

No more than 69 semester hours, including kinesiology activity courses, from a community college may be applied to a degree program (excluding RN/BSN, BSRS, and BSRC) at Midwestern State University.

Any student transferring from a Texas community college to Midwestern State University shall have the same choice of catalog designating degree requirements as the student would have had if the dates of attendance at the university had been the same as the dates of attendance at the community college.

TRANSFER DISPUTES

The following procedures shall be followed in the resolution of transfer disputes involving lower college courses:

1. If Midwestern State does not accept course credit earned by a student at another institution of higher education, MSU shall give written notice to the student and the sending institution that transfer of the course credit is denied.
2. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Coordinating Board rules and/or guidelines.
3. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of the denial, the institution whose credit is denied for transfer shall notify the Commissioner of the denial.

The Commissioner of higher education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.

HOUSING AND RESIDENCE LIFE

After acceptance for admission, the Office of Housing and Residence Life will forward information to all applicants who indicated on the application for admission that they plan to live in university housing. Contact the Office of Housing and Residence Life at 940-397-4217 or <http://housing.mwsu.edu>.

INTERNATIONAL STUDENTS

Unconditional Admission - International applicants to Midwestern State University must meet entrance requirements as outlined for all students and the items listed below to be considered for unconditional admission.

Conditional Admission - International applicants meeting all University admission requirements, with the exception of TOEFL scores, may be admitted conditionally with concurrent enrollment in the Intensive English Language Institute. To be considered for conditional admission, undergraduate applicants must score 500-527 on the paper-based TOEFL exam and 173-193 on the computer-based exam. Conditionally accepted students may enroll in a maximum of nine hours AND two to three required Institute courses contingent upon approval of the IELI Director and MSU Admissions. Successful completion of Institute courses may change their status to unconditional admission.

In addition to the entrance requirements, international applicants must submit the following:

1. An application for admission by the following deadlines:

Fall	- April 1
Spring	- August 1
Summer	- January 1

Students who do not meet these deadlines will be assessed a late application fee of (U.S.) \$25.00. Students may apply online via the Texas Common Application at <http://www.applytexas.org> or <http://www.mwsu.edu>.

2. An evaluation fee of (U.S.) \$50.00.
3. Official academic transcripts for all preparatory schools, colleges and universities attended. These documents, along with official translation if in a language other than English, must be sent directly from the institution to MSU Admissions. (To be acceptable, the transcripts must reflect above average scholastic capabilities.)
4. Official Test of English as a Foreign Language (TOEFL) scores. Undergraduate applicants will be required to score 530 or higher on the paper-based exam and 197 or higher on the computer-based exam. TOEFL may not be required if English is the native language. Local English Proficiency examination may be required.
5. An official bank financial statement accompanied by either a letter of sponsorship, an I134 form, or an MSU Affidavit of Support that shows the availability of financial funding adequate to meet the tuition, living, book, insurance, and incidental expenses of the first academic year. Barring unforeseen circumstances, the availability of funds from the same, or equally reliable source, must be assured for the duration of the program of study.
6. Proof of health insurance, including repatriation and medical evacuation benefits, must also be provided prior to initial enrollment at MSU and also every consecutive fall registration thereafter.

NATO personnel stationed in Texas OR their dependents must meet the requirements shown in items 3 and 6. Local English proficiency examinations are required for admissibility in lieu of the TOEFL and will be scheduled upon request. Applicants are required to schedule an appointment with the appropriate person in MSU Admissions to determine eligibility.

INFORMATION ON EVENING AND SUMMER PROGRAMS

THE EVENING PROGRAM

Midwestern State University offers a comprehensive academic evening program for individuals who wish to undertake a university educational program on a nontraditional schedule. The University's admission requirements and academic standards apply equally to the evening program. Credits earned in academic evening classes may be applied to undergraduate and graduate degrees without restriction.

Several undergraduate and graduate degree programs are currently offered within the evening program and substantial progress toward the completion of other degrees can be made at night. Contact the appropriate dean's office for information on particular degree programs and the extent of the evening offerings.

THE SUMMER SESSION

Midwestern State University conducts a summer session consisting of two terms. A schedule of undergraduate and graduate classes is offered. Regular faculty members and visiting instructors teach during the summer terms. The facilities of the University are available to summer school students.

The dates for the summer terms are listed in the University Academic Calendar.

SCHOLARSHIPS

Scholarships are generally awarded for academic achievement, special abilities as indicated by the applicant's past record (high school and/or college), ACT or SAT scores, participation in extracurricular activities, and other criteria as defined by specific scholarship programs.

Preliminary scholarship information and application forms may be obtained from MSU Admissions, Hardin South 101.

Applicants should contact the College Dean for information regarding scholarships in the student's major field of study.

APPLICATIONS FOR SCHOLARSHIPS MUST BE FILED ON OR BEFORE APRIL 4 (for the following Fall) AND NOVEMBER 15 (for the following Spring). LATE APPLICATIONS WILL BE CONSIDERED ONLY IF SURPLUS SCHOLARSHIP FUNDS EXIST.

Scholarship recipients may be held responsible for repayment of all scholarship funds awarded if the student's academic and/or enrollment status changes during the term in which the scholarship is received.

DETERMINATION OF RESIDENCE FOR TUITION PURPOSES

Residence for tuition purposes is determined by state law for state-supported colleges, and as such is subject to change by the Texas Legislature. Additional information may be obtained from MSU Admissions. The following is furnished to explain the basic rules concerning residence under the present law:

1. The residence status of a student under 18 years of age or who is a dependent is considered to be the same as the parents. If parents are divorced, a minor has the same residence status as the parent with whom he/she is residing. "Dependent" means an individual who is claimed as a dependent for fed-

eral income tax purposes by the individual's parent or guardian at the time of registration and for the tax year preceding the year in which the individual registers. The residence of a person other than a parent or a natural or legal guardian, who may furnish funds for payment of tuition, fees, or living expenses shall in no way affect the residence classification of a minor.

2. A student 18 years of age or older who comes from out of state is considered a non-resident for tuition purposes as long as he/she remains in Texas for educational purposes.
3. Residence for tuition purposes is established by domicile residence in the state for 12 months and actions unequivocally indicative of a fixed intention to become a Texas resident.
4. Persons in the U.S. military service and members of the Texas units of the Army or Air National Guard and their dependents, who are not Texas residents, are eligible for a non-resident tuition waiver provided they are assigned to a permanent duty station in Texas. Military personnel who have maintained their official Home of Record or legal residence as Texas for at least 12 months prior to registration are considered to be Texas residents. Non-resident military personnel must submit certification of active duty in Texas **at each registration** to be eligible for waiver of non-resident tuition fees. This section also applies to students who have signed a military contract, with obligation to active duty after graduation, and who are enrolled in an advanced military science (ROTC) program at a Texas institution.
5. An individual who would have been classified as a resident for the first five of the six years immediately preceding registration but who resided in another state for all or part of the year immediately preceding registration shall be classified as a resident student.
6. Residents who move out of state will be classified as non-residents immediately upon leaving the state, unless their move is temporary (generally less than five years) and residence has not been established elsewhere. Conclusive evidence must be provided by the individuals supporting their present intent to return to the state.
7. An alien is considered to be a non-resident unless he/she is in the United States on an immigrant visa. Students on immigrant visas are classified in reference to resident status the same as United States citizens.
8. A student classified as a non-resident retains that classification until he/she petitions for a reclassification and provides clear and unequivocal proof of residence to MSU Admissions. Such classification will be retained as long as the student is considered to be in the State for the purpose of attending school. A non-resident who marries a resident must establish his or her own residency by meeting the standard requirements.
9. Review of residence status and reclassifications are made when a student files necessary documentation with MSU Admissions. Such documentation must be on file no later than the official enrollment date to be valid for any given semester or term and subsequent enrollments.
10. Under Texas law the student is responsible for reporting changes in legal residence. This notification is submitted to MSU Admissions by the student.

ACADEMIC STANDARDS

(Undergraduate)

It is desirable that students maintain at least a C (2.0) cumulative grade point average since that standard is required for graduation.

The following minimum academic standards have been established to assure that students make reasonable satisfactory progress which will result in eligibility for graduation. Students are responsible for knowing their academic standing.

The total hours attempted for the purpose of determining the required minimum grade point average is the sum of Midwestern State University hours attempted and hours attempted at all other institutions attended including developmental courses.

Earned hours are the hours earned at MSU and hours accepted in transfer. Higher education quality hours are all hours attempted at MSU and elsewhere including developmental courses.

The cumulative grade point average is determined by dividing the total grade points earned at MSU (quality points) by the total hours attempted at MSU (quality hours). Grade point averages will be computed at the end of each semester or term. The academic standing is printed at the bottom of the grade report. Prior to Fall 1996 developmental courses (English 1003, 1013, Math 0003, 1003) were not computed in the grade point average.

TABLE OF ACADEMIC STANDARDS

Total Hours Attempted (MSU and all <u>other institutions</u>)	MSU Cum. GPA <u>Requirements</u>
0-30	1.70
31 and above	2.00

SCHOLASTIC PROBATION

Scholastic probation is a warning that the level of performance must improve if the student expects to continue in the University.

A student whose Midwestern State University cumulative grade point average falls below the standards stated in the Table of Academic Standards will be placed on scholastic probation.

A student on scholastic probation should take no more than 13 semester hours in a regular semester and no more than 6 semester hours in a summer term.

CONTINUED SCHOLASTIC PROBATION

A student on scholastic probation who fails to raise the cumulative grade point average to the level outlined in the Table of Academic Standards but who earns a semester average of 2.0 (possible 4.0) or above will be on continued scholastic probation.

A part-time student whose average is below the stated requirements will be on continued scholastic probation until he/she has attempted twelve semester hours at Midwestern State University. After a student has attempted twelve semester hours at MSU, the regular suspension regulations will apply.

ACADEMIC SUSPENSION AND DISMISSAL

A student on scholastic probation who fails to raise the MSU cumulative grade point average to the required level and who fails to earn a 2.0 semester average will be placed on academic suspension. Suspension or dismissal will be posted to the academic record and will remain as a permanent entry.

Should the student be admitted to another institution while on suspension and then seek readmission to MSU, the transferred work must meet MSU academic requirements, or the student will be subject to further academic penalty at the time of readmission (See Admission by Transfer). Work completed at another institution while the student is on suspension from Midwestern State University will not decrease the suspension period or remove the student from scholastic probation at MSU.

LIMITS ON READMISSION

First Suspension

1. A student suspended at the close of the fall semester is eligible for readmission to the following summer session.
2. A student suspended at the close of the spring semester is eligible for readmission to the following spring semester. A student on first suspension is permitted to attend the following summer session at MSU and may be reinstated for the fall semester if he/she has earned a 2.0 grade point average and a minimum of 6 semester hours during the summer sessions. A maximum course load of 6 semester hours per summer session is permitted.
3. A student suspended at the close of the fall trimester is eligible for readmission to the following spring trimester.
4. A student suspended at the close of the winter trimester is eligible for readmission to the following summer session, fall semester, or fall trimester.
5. A student suspended at the close of the spring trimester is eligible for readmission to the following summer session or winter trimester. Students who choose to enroll in the summer sessions must meet the standards required in #2 above to continue in the fall semester/trimester.
6. At the close of each summer session, only an academic deficiency of probation will be assessed.

Second Suspension is for a period of one calendar year.

Third Suspension results in academic dismissal, which is for a period of two calendar years. The Academic Readmission Committee will not review a petition for reinstatement of a student in this category.

NOTE: It is strongly recommended that a student reenrolling after a period of academic suspension take only repeats of Midwestern State University courses in which grades of D or F were previously awarded. Counseling is offered through MSU Admissions.

READMISSION AFTER ACADEMIC SUSPENSION

A student whose suspension period has passed and who meets all requirements for readmission may reenroll on scholastic probation. If, at the end of the semester/trimester following readmission, the student's academic performance does not meet the minimum academic standards or he/she does not have a current semester average of at least 2.0, the student will again be suspended. Students who have been on suspension at previous schools will maintain the suspension in their academic history.

Students who have been on suspension will be required to participate in the following programs during the first semester in which they enroll at MSU following their suspension:

1. the Scholastic Support Program offered by the Counseling Center; or
2. EDUC 1003 Skills for Success unless the student has already successfully completed the course.

PETITIONS FOR REINSTATEMENT

Written petitions for early reinstatement for a student on first or second suspension will be submitted to MSU Admissions for referral to the Academic Readmission Committee. The petition should be submitted at least two weeks prior to registration for the semester to which readmission is sought. (A student may only petition for early reinstatement one time.)

CREDIT BY EXAMINATION

MSU will accept up to 60 hours of credit by examination, limiting CLEP, DANTES, and Proficiency Exams to a maximum of 30 hours. Contact Testing Services at <http://testing.mwsu.edu>.

Credit by examination is only available after the student has been officially enrolled with the University. Official enrollment dates are the 12th, 4th, and 8th class days respectively for the long semester, the summer sessions, and the trimester.

Credit by examination may be earned through the College Board Advanced Placement Program, Proficiency Exams administered through the MSU College Offices, the College Level Examination Program (CLEP) Subject examination only, International Baccalaureate Program, and the DANTES standardized examinations. DANTES credit will not be accepted for business, speech, history, English, or foreign language courses.

Credit by examination may not be used to satisfy the minimum residence requirements for the degrees or for honors awarded at graduation. Credit by examination assumes the student has had no formal classroom instruction, as an enrolled student or as an auditor, in the course being challenged.

College Level Examination Program (CLEP) — Subject Examinations

The College Level Examination Program (CLEP) is a national testing program administered by the Educational Testing Service of Princeton, New Jersey. The CLEP is administered in two parts, the CLEP General Examinations and the CLEP Subject Examinations. MSU is a test center for Subject Examinations and the reporting school code is 6408. MSU does not award credit on the basis of CLEP General Examinations. MSU will grant credit on the basis of CLEP Subject Examinations scores according to the following policy effective July 1, 2001:

CLEP Subject Examinations Minimum Scale Scores

Examination	Credit Hours	Minimum Score Required for Credit	Equivalent MSU course	TX Common Course #
BUSINESS				
Infor. Systems & Comp. App	3	50	CMPS 1023	COSC 1300
Introduction to Management	3	50	MGMT 3013	N/A
Introductory Accounting	6	50	ACCT 2143, 2243	ACCT 2301, 2302
Introductory Business Law	3	50	BUAD 3233	N/A

Principles of Marketing	3	50	MKTG 3723	N/A
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ECONOMICS

Introductory Macroeconomics	3	50	ECON 2333	ECON 2301
Introductory Microeconomics	3	50	ECON 2433	ECON 2302

ENGLISH (All English examinations require the essay option)

American Literature	3	50*	ENGL 2613 or 2623	ENGL 2327 or 2328
English Literature	3	50*	ENGL 2813 or 2823	ENGL 2322 or 2323
Freshman College Composition	3	50*	ENGL 1113	ENGL 1301

*Plus satisfactory performance on essay to be read by the MSU English department.

FOREIGN LANGUAGE*

French - 1 st year	8	50	FREN 1134, 1234	FREN 1411, 1412
French - 2 nd year	6	54	FREN 2133, 2233	FREN 2311, 2312
German - 1 st year	8	50	GERM 1134, 1234	GERM 1411, 1412
German - 2 nd year	6	54	GERM 2133, 2233	GERM 2311, 2312
Spanish - 1 st year	8	50	SPAN 1134, 1234	SPAN 1411, 1412
Spanish - 2 nd year	6	54	SPAN 2133, 2233	SPAN 2311, 2312

MATHEMATICS

Calculus w/Elem. Functions	4	61*	MATH 1634	MATH 2413
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* Scores of 50-60 will waive the prerequisite for Calculus II

College Algebra	3	54**	MATH 1233	MATH 1314
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** Scores of 50-53 will waive the prerequisite for Trigonometry

Trigonometry	3	58***	MATH 1433	MATH 1316
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*** Scores of 50-57 will waive the prerequisite for Calculus I

SCIENCES*

General Biology	8	58	BIOL 1144, 1544	BIOL 1413, 1411
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General Chemistry	8	50	CHEM 1141, 1241 CHEM 1143, 1243	CHEM 1111, 1112 CHEM 1311, 1312
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* Majors in the health sciences should check with their advisers before taking science courses by examination.

SOCIAL SCIENCES

American Government	3	50	POLS 1333 or 1433	GOVT 2301 or 2302
American Hist I	3	50	HIST 1133	HIST 1301
American Hist II	3	50	HIST 1233	HIST 1302
Introductory Psychology	3	50	PSYC 1103	PSYC 2301
Introductory Sociology	3	50	SOCL 1133	SOCL 1301
Western Civilization I	3	50	HIST 1333	HIST 2311
Western Civilization II	3	50	HIST 1433	HIST 2312

Note: N/A indicates that a Texas Common Course Number is not applicable to the course.

CONDITIONS FOR CLEP SUBJECT EXAMINATIONS

1. Credit will be granted only if the student enrolls at Midwestern State University.
2. Credit earned by examination while enrolled at Midwestern State University may not be used to meet the minimum residence requirement for that degree or for honors awarded at graduation.
3. Credit by CLEP examination assumes the student has had no formal classroom instruction, as an enrolled student or as an auditor, in the course being challenged.
4. There is a six month waiting period before repeating an exam.
5. CLEP exams are administered by appointment through the MSU Testing Office.

Credit will be posted to the permanent record by the Midwestern State University course number and hours, but will be designated as CLEP credit.

College Board Advanced Placement Program

High school students with superior academic achievements in any of the following areas may earn college credit in these fields through the College Board Advanced Placement Program. Beginning with the 1999 Spring test, the following grades may be awarded for the test scores: 5 = A, 4 = B or Credit, and 3 = Credit. If the student takes both English Composition & Literature and English Language & Composition and

scores at least a 3 on both exams, the student will receive six hours of Rhetoric and Composition and three hours of sophomore literature elective credit. The following grades will be awarded for tests given prior to Spring 1999: 5 = A, 4 = B, and 3 = C. Please note that the credit awarded for an exam will correspond with the date the exam was taken. The course and grade are posted to the student's permanent record and designated as Advanced Placement credit.

The College Board Advanced Placement Program is administered only through cooperating high schools and only once each spring. Arrangements for the testing are to be made with the high school counselor.

AP Examinations	Credit Hours	Equivalent MSU course	Texas Common Course Number
American History	6	HIST 1133, 1233	HIST 1301, 1302
Art: History	3	ART 3413	N/A
Art: Studio	6	ART 1113, 1313	ARTS 1311, 1316
Biology	8	BIOL 1144, 1544	BIOL 1413, 1411
Chemistry	8	CHEM 1141, 1143, 1241, 1243	CHEM 1111, 1311, 1112, 1312
Classics: Virgil	3	Soph. foreign language elective	N/A
Classics: Latin Lyric	3	Soph. foreign language elective	N/A
Comparative Govt. & Politics	3	POLS 3533	N/A
Computer Science A	3	CMPS 1043	N/A
Computer Science B	6	CMPS 1043, 1053	N/A
Economics – Micro	3	ECON 2333	ECON 2301
Economics – Macro	3	ECON 2433	ECON 2302
English Comp. & Literature	6	ENGL 1113, 1123	ENGL 1301, 1302
English Language & Comp.	6	ENGL 1113, 1123	ENGL 1301, 1302
European History	6	HIST 1333, 1433	HIST 2311, 2312
French Language	8	FREN 1134, 1234	FREN 1411, 1412
French Literature	6	FREN 2133, 2233	FREN 2311, 2312
German Language	8	GERM 1134, 1234	GERM 1411, 1412
German Literature	6	GERM 2133, 2233	GERM 2311, 2312
Mathematics: Calculus AB	4	MATH 1634	MATH 2413
Mathematics: Calculus BC	8	MATH 1634, 1734	MATH 2413, 2414
Music Listening & Literature	3	Music elective	N/A
Music Theory	6	MUSC 1603, 1613	MUSI 1311, 1312

Physics B	8	PHYS 1144, 1244	PHYS 1401, 1402
Physics C: Mechanics	4	PHYS 1624	N/A
Physics C: Electricity & Magnetism	4	PHYS 2644	N/A
Psychology	3	PSYC 1103	PSYC 2301
Spanish Language	8	SPAN 1134, 1234	SPAN 1411, 1412
Spanish Literature	6	SPAN 2133, 2233	SPAN 2311, 2312
Statistics	3	STAT 3573	N/A
U.S. Government & Politics	3	POLS 1333 or 1433	GOVT 2301 or 2302

Midwestern State University's College Board Code Number is 6408.

To request Advance Placement test scores call (888) 225-5427 (toll-free) or write to:

AP Exams
P.O. Box 6671
Princeton, NJ 08541

The transcript should be sent to:

Midwestern State University
Admissions Office
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

Defense Activity for Non-Traditional Education Support (DANTES)

Credit will be awarded in some programs for DANTES Standardized Subject Tests based on ACE recommendations or on a percentile level which reflects at least 50% of test questions being answered correctly. Acceptable percentile levels are generally at the 40th percentile or above. DANTES SST's are not considered as part of the 12 hour limit on military credits. Credit will not be accepted for business, English, foreign languages, history, or speech courses.

CLEP tests administered and reported by DANTES will be accepted according to MSU's published CLEP guidelines. Midwestern's school code is 9870.

International Baccalaureate Program

Midwestern State University recognizes the value of the International Baccalaureate program and has approved the granting of credit for the IB Higher and Standard level exams. Credit will be granted for the following Higher level exams: Art, Biology, Business, Chemistry, Computer Science, Economics, English, French, Geography, German, History, Mathematics, Music, Philosophy, Physics, Psychology, Spanish and Theatre. Standard level credits will be given for Art, Biology, Chemistry, Computer Science, Economics, French, German, Mathematics, Philosophy, Physics, Psychology, Spanish and Theatre. Where applicable, credit will count toward the major and meet university requirements.

Midwestern State University's prospective students who earn the International Baccalaureate (IB) diploma will receive unconditional admission status to MSU. Students under 21 years of age must submit official ACT or SAT scores. Scholarships will be offered to these students through the University scholarship program and they will be guaranteed housing on campus. Students from high schools that offer IB cours-

es but not the diploma may receive credit according to the same criteria. An IB transcript must be sent to MSU Admissions. All IB students must show proof of meeting the Texas Academic Skills Program (TASP) requirements prior to their initial enrollment at Midwestern State and meet published university application deadlines.

Higher Exams: Grades accepted: 7 or 6 = A, 5 = B for Higher Exams only

Higher Exam	Credit Hours	Equivalent MSU Course	Texas Common Course Number
Art	3	ART 1413	ARTS 1301
Biology	8	BIOL 1144, 1544	BIOL 1413, 1411
Business & Organization	6	FINC 3733, MGMT 3013	N/A
Chemistry	8	CHEM 1141, 1143, 1241, 1243	CHEM 1111, 1311, 1112, 1312
Computer Science	3	CMPS 1023	COSC 1300
Economics	6	ECON 3323, 3333	N/A
English	6	ENGL 1113, 1123	ENGL 1301, 1302
French	8	FREN 1134, 1234	FREN 1411, 1412
Geography	3	GEOG 3003	N/A
German	8	GERM 1134, 1234	GERM 1411, 1412
History	6	HIST 1133, 1233	HIST 1301, 1302
History-Europe	6	Humanities Core	N/A
Mathematics	8	MATH 1634, 1734	MATH 2413, 2414
Music	6	MUSC 3723/1603*	N/A
Philosophy	3	Humanities Core	N/A
Physics	8	PHYS 1144, 1244	PHYS 1401, 1402
Psychology	3	PSYC 1103	PSYC 2301
Spanish	8	SPAN 1134, 1234	SPAN 1411, 1412
Theatre	3	THEA 1503	DRAM 1310

**Incoming students from IB programs will need to take a music theory placement exam for advising purposes.*

Standard Exams: Grades accepted: 7 or 6 = A, 5 = B

Standard Exam	Credit Hours	Equivalent MSU Course	Texas Common Course Number
Art	3	ART 1413	ARTS 1301
Economics	6	ECON 2333, 2433	ECON 2301, 2302
Music	6	MUSC 1033/1603*	MUSI 1306 or 1310, 1311
Theatre	3	THEA 1503	DRAM 1310

Grades accepted: 7 or 6 only = A

Biology	8	BIOL 1144, 1544	BIOL 1413, 1411
Chemistry	8	CHEM 1141, 1143, 1241, 1243	CHEM 1111, 1311, 1112, 1312
Computer Science	3	CMPS 1023	COSC 1300
Mathematical Studies	6	MATH 1233, 1433	MATH 1314, 1316
Mathematical Methods	7	MATH 1433, 1634	MATH 1316, 2413
Physics	8	PHYS 1144, 1244	PHYS 1401, 1402

Grades accepted: 7, 6, or 5 = credit

Philosophy	3	PHIL 1033	PHIL 1301
Psychology	3	PSYC 1103	PSYC 2301

Grades accepted: 5 or 4 = credit

French	8	FREN 1134, 1234	FREN 1411, 1412
German	8	GERM 1134, 1234	GERM 1411, 1412
Spanish	8	SPAN 1134, 1234	SPAN 1411, 1412

Grades accepted: 7 or 6 = credit

French	14	FREN 1134, 1234, 2133, 2233	FREN 1411, 1412, 2311, 2312
German	14	GERM 1134, 1234, 2133, 2233	GERM 1411, 1412, 2311, 2312
Spanish	14	SPAN 1134, 1234, 2133, 2233	SPAN 1411, 1412, 2311, 2312

**Incoming students from IB programs will need to take a music theory placement exam for advising purposes.*

To request the International Baccalaureate transcript call (212) 696-4464 or write to:
International Baccalaureate North America
200 Madison Avenue, Suite 2007
New York, NY 10016

The transcript should be sent to:
Midwestern State University
Admissions Office
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

Proficiency Examinations

The college dean may allow a currently enrolled student to challenge a course in that college and receive credit by examination. Credit and grades obtained by exami-

nation are used in determining the grade point average for the semester in which the examination is taken, and they are used in calculating the cumulative grade point average; however they cannot count toward residency hours or graduation with honors. When an examination for credit is taken, only a grade of C or better will be recorded. Credit earned by proficiency examination will be posted to the academic record after the student has earned 9 semester hours in residence at MSU.

Credit by examination assumes the student has had no formal classroom instruction, either as a regularly enrolled student or as an auditor in the course being challenged. It is the responsibility of the college dean to validate the student's request. If approved, the student pays a \$35.00 testing fee per course at the University Business Office and presents the receipt to the college dean who will make arrangements for the test.

CORRESPONDENCE WORK

Midwestern State University does not offer correspondence credit. However, a limited amount (not to exceed 18 semester hours) of correspondence work from a regionally accredited institution may be applied toward the requirements for the bachelor's degree.

A student enrolled in residence must secure the written permission of the dean of the major college prior to enrolling for a correspondence course. The student may make arrangements to take the final examination at Midwestern. The examination is administered by the Director of Testing Services.

Credit by correspondence for a course failed in residence will not be accepted toward graduation. No graduate credit can be earned through correspondence.

Seniors must make sure transcripts of correspondence work necessary for graduation arrive in the Office of the Registrar at least one week prior to graduation.

OTHER NON-TRADITIONAL CREDITS

Credit for U.S. Military Service. Students who have previously served in or are now on active duty in the armed forces may receive academic credit for their military educational experience up to a maximum of 12 semester hours toward a bachelor's degree excepting the BAAS. No credit is allowed toward graduate degrees.

For active service under honorable conditions for a continuous period of at least six months and less than one year, the University will grant 2 semester hours of physical activity credit; for one year or more of continuous active service, 4 semester hours of physical activity credit. Note: This credit will not be allowed if all required activity courses have been completed in residence or if the student is majoring or minoring in kinesiology.

Credits will be allowed for successful completion of technical or specialized schools attended while on active duty (not allowed for reserve duty) to the extent that the material is applicable toward degree requirements at Midwestern State University. Elective credit hours will not be awarded. Transcript evaluations are based upon the recommendations in the American Council on Education publication, *A Guide to the Evaluation of Educational Experiences in the Armed Services*.

Students who have been discharged must submit a copy of the DD 214 or other document to MSU Admissions and request that an evaluation be made. Students currently on active duty should process a DD 295 through the appropriate installation education office and have it forwarded to MSU Admissions.

USAFI: Credit will be allowed for college courses completed through the United States Armed Forces Institute (USAFI) by correspondence study only, subject to the usual rules involving credit by correspondence. USAFI credit is not considered as a part of the 12 semester hour maximum listed above.

DANTES: See General Information section under Credit by Examination.

General Comments about Non-traditional Credits. A student whose non-traditional work is not approved for credit in the evaluation process may consult with the college dean for advice concerning proficiency examinations.

No credit is awarded for work experience or on-the-job training except in the BAAS program. (See page 249.) Work experience may be regarded as a basis for proficiency exams.

Non-traditional work is considered an alternative to regular classroom work when it meets valid educational objectives and degree plan requirements at MSU. The University does not accept non-traditional work which will not apply to the student's degree objective.

Acceptance of such work by the college does not negate degree requirements or limitations found elsewhere in this bulletin.

Undergraduate Transfer of Non-traditional Credits. Credits not earned in regular course work may be accepted toward a bachelor's degree at MSU. Scores for credit by examination, course descriptions or other appropriate documentation may be requested as necessary by MSU Admissions although another accredited institution may have evaluated and given credit for such work. (Refer to listings under CLEP, DANTES, U.S. Military Credits, etc., for specific guidelines.)

When an accredited institution has determined that a certain examination score or non-traditional work is equivalent to a specifically numbered and titled course at that institution, MSU will accept such work at face value regardless of score if a student has earned or earns a C or better in a subsequent course. If a student has not earned a C or better, or has not taken a subsequent course, MSU required score levels must be met.

Evaluation of this type of work not appearing on a college transcript will be initiated by MSU Admissions when the student furnishes official documentation for the credit. Credit will be granted upon the approval of the college dean.

The applicability of these credits to the degree plan will be determined by the college dean. Such credits will be posted to the permanent academic record after the student has earned 9 semester hours in residence at MSU.

Credit for Institutes, Certificate Programs, Clock Hour Programs, Registry Examinations, Federal Certifications, and Military Training may be considered for application to the BAAS degree or one of the health sciences programs. Such non-traditional work will be evaluated by MSU Admissions according to the American Council on Education or other recognized guidelines when valid documentation is presented. Credit based upon the evaluations will be accepted only upon the recommendation of the appropriate college dean and the BAAS Advisory Committee (composed of University faculty), if applicable. Vocational-technical credit must be approved by the college dean. Credit will be limited to 12 hours except in the BAAS program, manufacturing engineering technology, criminal justice, and the health sciences.

Credit for Experiential Learning. A maximum of six hours of credit for experiential learning may be applied to the BAAS degree. Such credit will only be granted through a systematic evaluation of meaningful work or job experience. A student must

present to the adviser a narrative describing the length of work and other appropriate details. The BAAS adviser will then approve and propose equivalent learning credit with verification by the relevant employer. The BAAS Advisory Committee will approve such credit prior to the posting of credit. For more information, visit our website at <http://libarts.mwsu.edu/baas>.

CAREER MANAGEMENT CENTER

The Career Management Center located in Hardin South, Room 211, presents several opportunities for MSU students to be introduced and guided through the professional development process. Foremost, the implementation of internships and experiential education will allow students to apply classroom theory and learning into a real world environment. Professional skills such as presentation, writing, and technical skills are exercised in a full-time, semester, or summer internship/co-op employment with local, regional, and national businesses, as well as industries and government. Meanwhile, career placement for graduating students, our on-line career server Experience.com, web-based resume referrals, on-campus interviewing, and professional development seminars are provided. We also provide convenient one-on-one resume assistance and mock interviews for all students as well as alumnus. The Career Management Center is the student's "one-stop shop" to meeting their career search needs.

For additional information come by the Career Management Center or visit our website: <http://www.mwsu.edu/career>. Our office hours are Monday through Friday, 7:30 a.m. until 5:30 p.m. Extended service is provided Tuesday and Wednesday until 7:00 p.m.

FINANCIAL AID

The Financial Aid Office (FAO) is located in Hardin South, Room 102, or call (940) 397-4214. Correspondence requesting financial aid information should include: anticipated period(s) of enrollment (summer terms, fall and/or spring semesters, or trimesters); student's classification (entering freshman, re-entering freshman, sophomore, transferring student, etc.); previously attended educational institutions; marital or dependency status, and expected major and minor fields of study, if known.

Aid applicants must be accepted for admission to the University and submit all required paperwork to the MSU-FAO before any aid commitment can be made. **Summer guest students** are not eligible to receive financial aid.

PRIORITY APPLICATION DEADLINES: For maximum consideration of available funds, application forms should be completed and the results received in the FAO by the following dates:

April 1	-	Summer
June 1	-	Fall and Spring
June 1	-	Fall only
November 1	-	Spring only

Applications filed after the above dates will be considered as availability of funds and time permits.

APPLICATION PROCEDURES: For determination of aid eligibility, the Free Application for Federal Student Aid (FAFSA) must be filed YEARLY. The application should be filed at the beginning of each calendar year to allow for processing time

(approximately 2-3 weeks). The FAFSA application may also be completed via the internet at <http://www.fafsa.ed.gov> and submitted electronically. The student will then be provided additional forms which will be needed to determine financial aid eligibility for available funds. After the application information is confirmed and eligibility determined, the student will receive an award letter which will detail the award(s) the student may be eligible to receive for the upcoming academic year. MSU's academic/award year consists of the Summer term(s), Fall semester and Spring semester combined, respectively. MSU students can follow the progress of his/her financial aid application via MSU's "Web World" at <http://www.mwsu.edu/webworld> and click on "Login to Student Services." You must enter your SSN and PIN Number for access to your financial aid information. Once you have provided this information, click on "Personal Financial Aid Information" to begin your search. (NOTE: You will be assigned a PIN Number at the time you meet with your MSU academic adviser to select your class schedule.) Please contact the MSU-FAO if you have any questions or require assistance.

REFUND AND REPAYMENT POLICY: A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees, and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans, and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas exist in determining the amount of the refund. Examples of each refund calculation will be made available upon request.

FEDERAL "RETURN OF TITLE IV AID" POLICY: The federal refund formula is applicable to any student receiving Title IV aid, which includes the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Perkins Loan, Federal Stafford Loan (Subsidized and/or Unsubsidized) and Federal PLUS Loans (this refund calculation excludes Federal Work-Study). The federal refund formula provides a return of Title IV aid if the student withdraws, is administratively withdrawn or voluntarily ceases attendance in all classes before completing at least 60% of the semester. If any refund remains after the required return of the Title IV aid, the refund will then be used to repay other state/institutional grants and/or scholarships, as detailed below in the State Refund Policy. If any financial aid funds are released to the student prior to the student's withdrawal (via a refund check as a result of a credit balance on the student's account), the student may then be required to repay all or a portion of the financial aid funds that had been previously released to the student. A student not receiving Title IV aid will have his/her refund calculated using only the State Refund Policy, as detailed below.

STATE REFUND POLICY: A student who withdraws from the University will receive a pro-rated refund of tuition, fees, and room/board charges, in accordance with the schedule shown on page 44.

DISTRIBUTION OF FUNDS: If a student is entitled to receive a refund in accordance with the Federal and/or State Refund Policy, as described above, the refund must be applied to the appropriate program in the following order:

1. Federal Unsubsidized Stafford Loan
2. Federal Subsidized Stafford Loan
3. Perkins Loan
4. PLUS Loan
5. Federal Pell Grant

6. Federal Supplemental Educational Opportunity Grant
7. Other Title IV Aid
8. Other State/Institutional Aid

WITHDRAWAL PROCESS: Any student who desires to withdraw from the University must report to the Dean of Students Office located in the Clark Student Center. Following an exit interview with the Dean's Office, the student will be issued a copy of the withdrawal form and the Dean's Office will process the paperwork with the necessary University offices (Business Office, Financial Aid Office, and Office of the Registrar). Again, refer to the above information regarding the REFUND AND REPAYMENT POLICY to determine if you will be required to repay any financial aid monies as a result of your withdrawal from the University.

SATISFACTORY ACADEMIC PROGRESS: Midwestern State University offers grants, work-study, and loans to students accepted for enrollment in a program leading to an approved degree, certification or Teaching Certification. Federal and state regulations governing student financial assistance require that an institution develop standards to measure a student's academic progress toward a degree. At Midwestern State University, minimum standards include qualitative requirements (or, semester and/or cumulative grade point average) and quantitative requirements (or, maximum time frame for completion of degree AND hours attempted versus hours completed). MSU satisfactory progress requirements are monitored at the end of each academic/award year, which includes Summer term(s), Fall semester and Spring semesters combined, respectively. **A student's financial aid eligibility will be determined in accordance with the number of credit hours that pertain to the current degree program as indicated by the student on the Financial Aid Office (FAO) General Application.** You must contact the MSU-FAO if you change your degree program or decide to register for fewer or more hours than is indicated on the General Application; your financial aid eligibility may be adjusted to reflect this change in enrollment. *Satisfactory progress requirements are monitored for ALL enrollment periods, including those for which financial aid was not received. Summer guest students are not eligible to receive financial aid.*

Programs of Study

Undergraduate Students: an undergraduate student enrolled in graduate and/or post-baccalaureate hours as well, will be awarded based on the number of undergraduate credit hours only. An undergraduate student must be enrolled at least half-time to receive financial aid. (NOTE: Under certain eligibility requirements, students enrolled less-than-half-time may be eligible to receive Federal Pell Grant funds only and must be enrolled in **at least 3 credit hours.**)

Graduate Students: a graduate student accepted into a graduate degree program who is enrolled in undergraduate hours as well, will be awarded based on the number of graduate credit hours only **UNLESS** the student will receive graduate credit for the undergraduate course(s) -OR- the undergraduate course(s) (e.g. "leveling courses") are necessary for completion of the graduate degree program. **HOWEVER**, a student not accepted into a graduate degree program may be eligible to receive the Stafford and PLUS Loans only; this provision is limited to a single consecutive 12-month period and the student must be enrolled in coursework necessary for his/her enrollment in an eligible program. To be eligible under this provision, the student must be enrolled in courses that are prerequisites for admission to the program. If the student is simply taking the courses to raise his/her grade point average to be admitted to the graduate program, the student will not qualify for loans under this provision. Appropriate documentation must be submitted from the student's academic adviser. A graduate student

must be enrolled at least half-time to receive financial aid. A graduate student enrolled in Thesis 6983 and 6993 may receive financial aid for each of the Thesis courses only once during his/her college career; additionally, a graduate student enrolled in Military Science courses only is not eligible to receive financial aid.

Teacher Certification: a student accepted into the Teacher Certification program will be awarded based on the course(s) required on the deficiency plan. A student seeking Teacher Certification may also be awarded for course(s) not required on the deficiency plan if the course(s) are REQUIRED by the state where the student will be teaching. HOWEVER, a student not accepted into a Teacher Certification program may be eligible to receive the Stafford and PLUS Loans only; this provision is limited to a single consecutive 12-month period and the student must be enrolled in coursework necessary for his/her enrollment in an eligible program. To be eligible under this provision, the student must be enrolled in courses that are prerequisites for admission to the program. If the student is simply taking the courses to raise his/her grade point average to be admitted to the Teacher Certification program, the student will not qualify for loans under this provision. Appropriate documentation must be submitted from the student's academic adviser. A student in the Teacher Certification program must be enrolled at least half-time to receive financial aid.

Second Baccalaureate: a student accepted into the second baccalaureate program will be awarded based on the course(s) required on the degree plan. A student seeking a second baccalaureate may also be awarded for course(s) not on the degree plan if the course(s) are REQUIRED for completion of the second baccalaureate degree program. HOWEVER, a student not accepted into a second baccalaureate program may be eligible to receive the Stafford and PLUS Loans only; this provision is limited to a single consecutive 12-month period and the student must be enrolled in coursework necessary for his/her enrollment in an eligible program. To be eligible under this provision, the student must be enrolled in courses that are prerequisites for admission to the program. If the student is simply taking the courses to raise his/her grade point average to be admitted to the second baccalaureate program, the student will not qualify for loans under this provision. Appropriate documentation must be submitted from the student's academic adviser. A student in the second baccalaureate program must be enrolled at least half-time to receive financial aid.

Grade Point Average

At MSU, students must earn a minimum semester and/or cumulative grade point average during the academic/award year (Summer, Fall and Spring combined, respectively) as indicated below. (NOTE: The academic year is measured as a period of time, NOT by the student's grade level):

Undergraduate Student (first academic year at MSU)	1.70 GPA
Undergraduate Student (second academic year, and beyond, at MSU)	2.00 GPA
Graduate Student	3.00 GPA
Teacher Certification	2.50 GPA
Second Baccalaureate	2.00 GPA

Maximum Hour Limit

At MSU, in addition to earning a minimum semester and/or cumulative grade point average, as indicated above, students must not have attempted more than a specific cumulative maximum number of semester hours, including those accepted in transfer. (NOTE: A student with any eligibility remaining at the beginning of a given

enrollment period can be awarded financial aid for the entire enrollment period if the FAO determines the additional hours are required to complete the degree or program.) Also, additional consideration to the Maximum Hour Limit may be given to those students whose degree program requires more hours than the standard length of time; contact the MSU-FAO for further details. Maximum hour limits are as follows:

Undergraduate	186 maximum hours
Graduate	54 maximum hours
Teacher Certification	60 maximum hours
Second Baccalaureate	60 maximum hours

Minimum Completion of Hours

Students are required to complete a minimum number of hours at the end of each academic year, as indicated below:

Total Registered Hours: Summer, Fall and Spring Combined	Minimum Earned, Completed and Passed Hours: Summer, Fall and Spring Combined
1	1
2	2
3-5	3
6-11	6
12-15	9
16-19	12
20-23	15
24 or more	18

NOTE: UNDERGRADUATE students enrolled less-than-half-time may be eligible for Federal Pell Grant funds only and must be enrolled at least 3 credit hours.

Failure to Meet Satisfactory Progress

Should a student fail to meet the above standards at the end of an academic year, he/she will be placed on "Financial Aid Probation" but remains eligible to receive financial aid. Transfer students admitted on Scholastic Probation will automatically be placed on "Financial Aid Probation" but remain eligible to receive financial aid (all hours accepted in transfer will count against the Maximum Hour Limit for financial aid eligibility). To remove the "Financial Aid Probation" status, the student must successfully complete the minimum standards for Satisfactory Progress (hours attempted vs. hours passed AND semester and/or cumulative grade point average) during the upcoming academic year.

Failure to remove the "Financial Aid Probation" status (as detailed above), AND failure to meet Satisfactory Progress (hours attempted vs. hours passed AND semester and/or cumulative grade point average) in subsequent enrollment periods, will result in "Financial Aid Suspension" and cancellation of financial aid eligibility. To remove "Financial Aid Suspension," the student must successfully complete at least 12 semester hours within a maximum of two consecutive enrollment periods while concurrently completing the minimum standards for Satisfactory Progress (hours attempted vs. hours passed AND semester and/or cumulative grade point average) during the academic year. The "Financial Aid Suspension" must be cleared at MSU and at the student's own expense. If "Financial Aid Suspension" is cleared prior to the end of the academic year, financial aid will be given for the remainder of the academic year. Then, if satisfactory

progress is not met again at the end of the academic year, the student will, once again, be placed on “Financial Aid Probation.” (NOTE: When clearing a “Financial Aid Probation” or “Financial Aid Suspension” status, the 1st and 2nd Summer Terms can be used either as a separate enrollment period OR as a combined enrollment period.)

Other Elements

Withdrawals, class drops and grades of “incomplete” are considered non-completed hours when determining satisfactory progress and could affect the Minimum Completion of Hours requirement because these hours are deducted from the Maximum Hour Limit. Repeated courses, non-credit developmental coursework and transfer hours will be deducted from the Maximum Hour Limit.

Financial Aid Appeals Procedure

An appeal, which must be made in writing and accompanied by supporting documentation, may be made to the Director of Financial Aid if a student feels extraordinary circumstances have affected his/her ability to meet satisfactory progress. If the appeal is denied by the Director of Financial Aid and the student believes the decision of the Director to be inappropriate, the student may request to have the appeal presented before the Financial Aid Advisory Appeals Committee. The student will be permitted to appear before the Committee if the student so desires in order to present his/her case. The student may obtain information regarding the Financial Aid Advisory Appeals Committee from the MSU Financial Aid Office.

NOTE: MSU students enrolled in a *Program of Study* NOT detailed above (such as, second masters, third baccalaureate, etc.) may also be eligible to receive financial aid. Contact the MSU-FAO for complete details and eligibility requirements.

TYPES OF FINANCIAL AID

GRANTS

(do not require repayment)

Federal Pell Grant: Need must be established by filing the FAFSA. Awarded only to undergraduate students who have not earned a bachelor’s degree or professional degree (such as pharmacy or dentistry). Pell Grants provide a foundation of financial aid to which other aid may be added.

Federal Supplemental Educational Opportunity Grant (FSEOG): Need must be established by filing the FAFSA. Available to eligible undergraduate students who have maximum need and are eligible for funds in addition to the Federal Pell Grant.

Toward Excellence, Access, & Success Grant (TEXAS): Need must be established by filing the FAFSA. A state grant program available to Texas residents who graduated from a Texas high school no earlier than Fall 1998 and completed the recommended or advanced high school curriculum or its equivalent.

Texas Public Educational Grant (TPEG) for Resident and Non-Resident: Need must be established by filing the FAFSA. Available to eligible students in addition to, or in place of, the Federal Pell Grant.

Texas Public Educational Grant (TPEG) for International Students: Not need based per FAFSA requirements, but need must be determined via MSU application process. Interested students should contact the International Program department or the MSU-FAO; selections are made by the TPEG International Grant Committee.

Other Federal, State and Institutional Grants/Scholarships: *Need must be established by filing the FAFSA.* Available to eligible students in accordance with program and institutional requirements; may be received in addition to, or in place of, the Federal Pell Grant. These grants include:

- | | |
|--|----------------------------------|
| *TPE-SSIG Grant | *TTAG Grant |
| *Texas New Horizons (TXNHS) Grant | *Student Property Deposit |
| *License Plate Grant | *Financial Aid/Line Item Grant |
| *5 th Year Accounting Grant/Scholarship | *Boren Grant/Scholarship |
| *Hardin Grant/Scholarship | *DAR Grant/Scholarship |
| *JC Penney Grant/Scholarship | *Willie Bigham Grant/Scholarship |
| *FDR Grant/Scholarship | |
| *Association of Texas Lenders (ATLE) Grant/Scholarship | |
| *Texas Coordinating Board Nursing Scholarships | |

LOANS

(require repayment)

Federal Subsidized Stafford Loan: *Need must be established by filing the FAFSA* prior to processing the loan's Master Promissory Note (MPN) and subsequent annual "serial" notes. The loan funds are obtained and disbursed through the FAO via Electronic Funds Transfer (EFT) in cooperation with the student's bank or other participating lending institution. Repayment of principal and interest begins after the student ceases to be enrolled on at least a half-time basis and a six-month "grace period" has expired.

Federal Unsubsidized Stafford Loan: *Not need based, but eligibility must be determined by filing the FAFSA* prior to processing the loan's Master Promissory Note (MPN) and subsequent annual "serial" notes. The loan funds are obtained and disbursed through the FAO via Electronic Funds Transfer (EFT) in cooperation with the student's bank or other participating lending institution. The student is encouraged to repay accrued interest during enrollment period(s); otherwise, repayment of accrued interest and principal begins after the student ceases to be enrolled on at least a half-time basis and a six-month "grace period" has expired.

Federal PLUS Loan: *Not need based, but eligibility must be determined by filing the FAFSA* prior to processing the loan's Master Promissory Note (MPN) and subsequent annual "serial" notes. Available to the parent of an enrolled, dependent student. The loan funds are obtained and disbursed through the FAO via Electronic Funds Transfer (EFT) in cooperation with the student's or parent's bank or other participating lending institution. Repayment of interest begins within 60 days from the date the loan funds are disbursed. Principal repayment can be deferred under certain conditions.

Federal Perkins Loan: *Need must be established by filing the FAFSA.* At MSU, priority for the Perkins Loan will be given to students who maintain a minimum 3.0 cumulative grade point average and are seeking a Teaching or Nursing degree. Following a grace period, repayment of principal and interest begins after the student ceases to be enrolled at least half-time. The interest rate is 5% and is processed and collected through the MSU-FAO.

College Access Loan (CAL): *Not need based, but eligibility must be determined by filing the FAFSA.* The student must be a Texas resident and enrolled at least half-time. The loan plus other financial aid may not exceed the Cost of Attendance (COA) as determined by the University. Interest rate is determined by the Texas Higher Education Coordinating Board.

Alternative Private Loan: Not need based. Offered as an alternative loan program when the student/parent is no longer eligible to receive the above-mentioned loans. Eligibility criteria varies among lenders; contact the MSU-FAO for complete details.

Emergency Tuition and Fee Loan (ETFL): A short-term payment plan which allows the student to defer up to 100% of required tuition and fee expenses only (excludes on-campus room and board expenses). A \$22.50 loan origination fee and a 1% service charge are added to this loan. Repayment is due as scheduled during the semester, trimester, or summer term(s) in which it is borrowed, or upon official withdrawal from school.

PART-TIME EMPLOYMENT

College Work-Study: Need must be established by filing the FAFSA. Federal and state programs offer up to 20 hours per week of on-campus/off-campus employment. Early applicants have the maximum opportunity to receive college work-study funds as part of an overall financial aid package.

Off-Campus/On-Campus Employment: Not need based. Interested students should contact the MSU Career Management Center at (940) 397-4215, located on the second floor of Hardin South, for additional information.

ACADEMIC AND/OR ATHLETIC SCHOLARSHIPS

Academic Scholarships: generally awarded for academic achievement, special abilities as indicated by the applicant's past record (high school and/or college), ACT or SAT scores, participation in extracurricular activities, and other criteria as defined by the specific scholarship programs. Scholarships are considered a resource when determining a student's total financial aid package; and therefore, may affect a student's award(s). Preliminary scholarship information and applications can be obtained from MSU Admissions located in Hardin South. Students should also contact the Dean or Chair of their major field of study for additional information regarding scholarships.

Athletic Scholarships: generally awarded based on the student's athletic ability. Information regarding athletic scholarships can be obtained from the Head Coach of the particular sport.

Robert C. Byrd Scholarship: administered by the Texas Higher Education Coordinating Board and interested persons must contact the Coordinating Board to obtain an application. Selections are made by the Coordinating Board based on the student's academic record and anticipated success in college.

OFFICE OF THE REGISTRAR

TEXAS ACADEMIC SKILLS PROGRAM

The Texas State Education Code 51.306 requires that each undergraduate student, other than those exempted*, who enters a public institution of higher education must be tested for reading, writing, and mathematics skills prior to enrolling in any coursework. The Texas Higher Education Coordinating Board shall prescribe circumstances under which a student who has not been tested may enroll in coursework. A student who is permitted to enroll without taking the test prescribed by the board must take the test not later than the end of the first semester of enrollment.

Because of the state requirement that the test be taken prior to enrolling in an institution of higher education, students enrolled in Texas public high schools will be encouraged to take the TASP test as soon as the exit-level TAAS is passed. The student must enroll in a Texas public institution of higher education no later than five years from the date the test is taken.

MSU shall use the Texas Academic Skills Program Test for initial testing. Alternative tests will only be accepted for students transferring from a Texas public institution. Distance education students residing out of the state of Texas, who will complete a degree program via distance education, may be permitted to take the Accuplacer alternative test. An institution may not use performance on the test as a condition of admission into the institution.

The TASP test fees will be paid by the students. Students who believe they qualify for fee waivers for the cost of the TASP test should contact the Financial Aid Office.

Midwestern State University, as well as all state supported institutions in Texas, was required to file a Developmental Plan with the Texas Higher Education Coordinating Board. Included in this plan are MSU's policies for TASP compliance. MSU requires a student whose performance is below the standard for the tested skills to participate continuously in a developmental program. "Continuously" means that during each semester in which a student is enrolled the student must participate and be enrolled in a developmental course or other developmental program provided by MSU. This is required until the student has passed all sections of the TASP test and/or completed all TASP requirements. State policy does not allow developmental courses to be considered as credit toward completion of degree requirements.

A student who fails to remain continuously enrolled in a state-required developmental program may be automatically withdrawn from all college-level courses at the University at the discretion of the College Dean of the developmental course from which the student is dropped. A student withdrawn for noncompliance with TASP policies will receive a refund in accordance with the MSU registration fee refund schedule. On completion of the developmental coursework or program, the student shall retake that portion of the Texas Academic Skills Program Test for which developmental education was required.

A student may not enroll in any upper level course, completion of which would give the student 60 or more semester credit hours or the equivalent, until the student's Texas Academic Skills Program Test results meet or exceed the minimum standards in each skill area for which developmental education was required, or the student has earned a grade of "B" or better in a freshman-level credit course in the subject matter of the assessed deficit. MSU students may attempt the "B" or better courses after successfully completing all developmental coursework in the deficient area. Additionally,

transfer students from private or out-of-state institutions with specified courses completed with a grade of "B" or better at previous institutions, may use the course(s) to clear the respective section(s) of TASP. For that purpose, the Texas Higher Education Coordinating Board has established a list of courses for each skill area of the test instrument. For more information regarding these courses, or to review the MSU Developmental Plan, the student should contact the TASP Coordinator in the Office of the Registrar. A copy of the Developmental Plan is also on file in the office of the Vice President for Academic Affairs.

*Exemptions

The following groups are exempt from taking the TASP test.

1. Students with three college-level hours earned prior to Fall 1989.
2. Students with ACT composite score of 23 or higher, with individual math and English scores of no less than 19. (Scores no more than 5 years old.) Residual ACT cannot be used for exemption.
3. Students with SAT composite 1070, 500 verbal and math. (Scores no more than 5 years old.)
4. Students with TAAS scale scores of 1770 or higher on writing, TLI 89 on reading, and TLI 86 on math. (Scores no more than 3 years old.)
5. Students who have a bachelor's degree from an accredited institution.
6. Students who are serving in the state of Texas as active duty members of the Armed Forces of the United States. Official documentation of active duty status for the enrollment period is required. The student must file a Verification of Active Duty form which can be obtained in the Base Education Office.*
7. Students who graduate from a Texas public high school with a grade point average of 3.5 or higher on a 4.0 scale, and who completed the recommended or advanced Texas high school curriculum. A student who attended an accredited private or out-of-state high school with the similar curriculum and meeting the 3.5 g.p.a. on the 4.0 scale is exempt. The exemption is only effective if a student enrolls in a institution of higher education on or before the second anniversary of the date the student graduated from high school.*

* Students who are TASP exempt by the 3.5 high school g.p.a. requirement or the active duty military requirement may be required to take the MSU Placement Test if transcript(s) are not on file indicating credit for college-level English and math.

NOTE: Transfer students from private or out-of-state institutions should have all transcripts forwarded to MSU immediately so that MSU can determine if any previous college work clears them from a section or sections of the TASP test. If such proof is not provided prior to enrollment, TASP scores will be required.

Temporary Exemptions and Other Special Testing Criteria

1. Non-degree seeking students enrolled on a temporary basis for **one semester** who are also enrolled in a private or out-of-state institution of higher education **may** be given a temporary exemption by providing documentation that they were enrolled in the private or out-of-state institution in the immediately preceding semester.
2. Non-degree seeking students who will be 55 years of age or older on the first class day of a term or semester may receive a temporary exemption, which may be renewed each semester, as long as the student remains non-degree seeking. The student must sign a request for this exemption prior to enrolling each semester.
3. Senate Bill 944 - Students diagnosed by a qualified professional as having

dyslexia or related disorders or a specific learning disability in mathematics must register for the TASP test during the regular registration period and request appropriate accommodations, or, if accommodations are not sought, provide notice of the disability by submitting appropriate documentation directly to the Texas Higher Education Coordinating Board. Students determined by the Coordinating Board to meet the criteria and who complete the developmental program prescribed by the institution may be required to retake the test once but may not be referred to additional developmental courses or other developmental programs, or precluded from enrolling in upper level courses because of performance of the TASP test.

4. The Texas Higher Education Coordinating Board has determined that distance education students **residing outside of the state of Texas** may enroll in the distance education program without having taken TASP; but they **will not receive a degree** until all TASP requirements have been completed. Students who are not exempt from TASP, must have completed all TASP requirements by the deadline for filing for graduation for the term in which they will graduate, to avoid delay in graduation.

NOTE: The Texas Academic Skills Program is subject to change due to legislative action, actions of the Texas Higher Education Coordinating Board, and the MSU Board of Regents. Contact the TASP Coordinator in Hardin South 101 for more information on any of these categories.

COURSE CHANGES, DROPS, AND WITHDRAWALS

Change of Schedule. A student's schedule may be changed on the days designated (see Academic Calendar), subject to the approval of the student's adviser.

The procedure is as follows:

1. The student obtains a drop/add request form from the major college to add a course, drop a course, or to add and drop.
2. After the appropriate signatures have been obtained, the student may use the telephone or web to make a change. Please refer to the class schedule for available dates. After classes start, the form must be taken to the Office of the Registrar for processing.

Dropping a Course. After late registration, drop forms may be obtained in the Office of the Registrar. After obtaining the signatures of the course instructor, adviser, and Financial Aid Office the completed form is submitted to the Office of the Registrar. Additionally, athletes must obtain the signature of the Director of Athletic Compliance. A student may drop a course during the first 10 weeks of a long semester, first 6 weeks of a trimester or 11 week summer term, or through the 18th class day of a 5 ½ week summer term (16th class day of a 5 week summer term) with a grade of W (See Academic Calendar in schedule of classes.). After the above deadlines, a grade of F will be recorded for any class drop. Students enrolled in distance education courses only may process an online drop at: <http://registrar.mwsu.edu/dropform>. All other students must follow drop slip procedures as outlined above.

Official Drop Date. No drop is official until the form is submitted to the Office of the Registrar. The date of submission to the Office of the Registrar is the official drop date for grade determination (W, WF, F). An F will result if a student ceases to attend class without completely processing a course drop or withdrawal from the University.

Instructor Drop. An instructor may drop a student any time during the semester for excessive absences, for consistently failing to meet class assignments, for an indifferent attitude, or for disruptive conduct. The instructor must give the student a verbal or written warning prior to being dropped from the class. An instructor's drop of a student takes precedence over the student-initiated course drop of a later date. The instructor will assign a grade of either WF or F through the 10th week of a long semester, the 6th week of a trimester or 11 week summer term, or the 18th class day of a 5 ½ week summer term (16th class day of a 5 week summer term). After these periods the grade will be an F. The date the instructor drop form is received in the Office of the Registrar is the official drop date.

Withdrawals. Any student who does not intend to continue attending classes at Midwestern State University should officially withdraw rather than stop attending since this latter action results in unnecessary failing grades.

Voluntary Withdrawal from the University. A student who desires to withdraw from the University will contact the Dean of Students. Following an exit interview, the student will be issued a copy of the withdrawal form and the Dean of Students will process the paperwork with the necessary University offices.

Enforced Withdrawal from the University. A student who fails to comply with the stated regulations concerning temporary admission may be required to withdraw after University review. This action will be posted to the permanent record and a statement retained in the academic file.

GRADING SYSTEM AND GRADE REPORTS

All grades are reported by letter without modification of plus or minus. Letter grades have the following significance:

	Grade points per Semester hour
A indicates excellent work	4
B indicates good work	3
C indicates satisfactory work	2
D indicates passing work	1
*P indicates passing work taken for pass/fail credit. Not in effect after Fall 1985.	0
CR indicates passing work in designated courses	0
NC indicates non-credit in designated courses	0
F indicates failing work	0
F is given for an unofficial withdrawal or a course dropped after the 10 th week of a long semester, 6 th week of a trimester or 11 week summer term, or after the 18th class day of a 5 ½ week summer term (16 th class day of a 5 week summer term).	
F may be given in a course any time during the semester if an instructor drops the student.	
*F indicates failing work taken for pass-fail credit. Not in effect after Fall 1985.	
I indicates incomplete work. A student is expected to complete a course of study during a semester. In an emergency an instructor may assign a grade of I. An I in a course numbered 0003-4999 must be converted into a letter grade within 30 days after the beginning of the next long semester or trimester or the I will become an F.	
An I in a course numbered 5000-6993 must be converted into a letter grade within 90 days after the beginning of the next long semester or trimester or the I will become an F.	

Extension of time to remove an incomplete. If it is impossible for an incomplete to be removed within the time period allowed due to extenuating circumstances, "Extension of Time" forms must be completed by the instructor and approved by the college dean.

Any exception to these regulations must be approved by the college dean.

Procedures for Removing I. As soon as the student has completed the course requirements, the faculty member will send the official grade to the Office of the Registrar.

X indicates **incomplete** thesis

W indicates that the student has withdrawn or dropped officially from a course during the first 10 weeks of a long semester, first 6 weeks of a trimester or 11 week summer term, or through the 18th class day of a 5 ½ week summer term (16th class day of a 5 week summer term). (See semester schedule for exact dates.) W is not computed in the grade point average.

WF indicates that the instructor dropped the student during the first 10 weeks of a long semester, first 6 weeks of a trimester or 11 week summer term, or through the 18th class days of a 5 ½ week summer term (16th class day of a 5 week summer term). (See semester schedule for exact dates.) WF is not computed in the grade point average.

WX indicates administrative withdrawal.

Repetition of Courses. A course in which a grade of A or B has been earned may not be repeated for credit. Students may repeat at Midwestern State University any course in which a grade of C, D, or F was earned. Upon repetition at MSU the official grade is the higher one made. Effective Fall 2001, the higher grade earned will be computed in the grade point average although all enrollments will be shown on the permanent record. Prior to Fall 2001, only the grade earned in the last attempt will be computed in the grade point average. Repetition of a course with an earned grade of C or D at MSU taken at another institution will not be accepted in transfer. The C or D credit at Midwestern State University stands and will be calculated in the MSU GPA and counted toward graduation. Repetition of a course with an earned grade of F at MSU taken in residence at another institution may be accepted in transfer, but the F will continue to be shown on the MSU permanent record and calculated in the MSU GPA. Students may not repeat a course by correspondence which has been failed in residence. **The students are responsible for confirming that the repeat has been indicated on the transcript.** Students who register by telephone or web should complete the form provided by the Office of the Registrar so that the repeat can be coded correctly.

A grade of F given for academic dishonesty will be computed in the grade point average even after the course has been repeated.

Grade Reports. Semester grades are mailed from the Office of the Registrar directly to students as soon as possible after the close of each semester and each summer term. Fall trimester grades are mailed in December when the semester grades have been processed. Semester grades may be viewed at the MSU Webworld site if student has current PIN.

Change in Address. The student must report any changes in name or address to the Office of the Registrar, Business Office, and the Financial Aid Office. Students may also change their address on-line using their PIN at <http://registrar.mwsu.edu/address>.

Under Texas law the student is responsible for reporting changes in legal residence. This notification is submitted to MSU Admissions by the student.

APPEAL OF COURSE GRADE

It is the responsibility and the prerogative of every faculty member to determine grades in those courses to which he or she is assigned. Except in accordance with stated university policies, no other individuals or group can make these decisions.

The only two bases on which a student can legitimately appeal a course grade and/or suspension from an academic program are:

1. The student has not been evaluated according to the same criteria as his or her classmates, OR
2. An error has been made in grading and/or posting.

The procedure for requesting a course grade change and/or retention in an academic program is as follows:

1. The student must consult with the appropriate instructor, unless the instructor is no longer on staff.
2. If this does not resolve the problem, the student should present a formal written appeal to the dean of the college in which the course was taught. This must be done no later than thirty (30) calendar days from the first day of the next long semester. In cases where the student was terminated from a program, the student should submit his or her petition for reinstatement to the dean of the college in which the program is located. The dean should immediately request a written response to the student's complaint from the faculty member.
3. Within ten working days from receipt of the appeal, the dean of the college should respond to the student in writing as to his or her disposition of this appeal.
4. Should the appeal not be disposed of by the dean of the college in a manner satisfactory to the appellant, the appeal may be presented to the university's Academic Appeals Committee. In such cases the following procedures should be followed:
 - A. The student should obtain from the Office of Academic Affairs a REQUEST FOR HEARING form and a copy of this policy. The student should fill out the form carefully and submit it, along with all other information pertinent to the student's position, to the Vice President for Academic Affairs. These materials will constitute the student's formal written appeal and will then be forwarded by the Vice President for Academic Affairs to the chair of the Academic Appeals Committee.
 - B. Upon receipt of the appeal, the chair of the Academic Appeals Committee will at once distribute a copy to each member of the Academic Appeals Committee. Within five working days from receipt of the appeal, each committee member will inform the chair of the Academic Appeals Committee in writing whether or not he or she believes the appeal has established, on its face, at least one of the bases for appeal as noted above.
 - C. If a simple majority of committee members finds no basis for the appeal, a hearing before the Academic Appeals Committee shall be denied, and the chair of the committee will at once inform the Vice President for Academic Affairs of this decision in writing. The vice president should then inform the student by letter that the appeal has been denied because it did not meet either of the stated bases for appeal.
 - D. If, however, a simple majority of the Academic Appeals Committee finds that the appeal appears to have a basis, then the chair will as soon as possible inform the student, the faculty member, and the dean of the college that a legitimate appeal has been filed and of specific procedures

to be followed. The chair will also provide copies of the appeal to the faculty member and the dean of the college and by the same letter will inform the faculty member (or in certain situations noted as follows, the dean of the college) that he or she has ten working days in which to respond in writing to the Academic Appeals Committee.

Both the student petitioning for a hearing by the Academic Appeals Committee and the faculty member involved have the right to challenge one member of the committee. This is a peremptory challenge, and the chair will choose a replacement from among the alternate members of the committee. The initial correspondence between the chair of the committee and the principals should specify this right and request prompt written response.

In cases where the appeal concerns the performance of a teaching assistant or part-time faculty member, the dean of the college or other full-time faculty member directly responsible will represent the university before the Academic Appeals Committee. A teaching assistant or part-time faculty member may appear before the Academic Appeals Committee. In cases where the faculty member responsible is not available, the dean of the college involved will represent the university.

- E. Upon receipt of the faculty member's written response, the chair will provide copies to all members of the Academic Appeals Committee and to the appellant and will schedule a meeting of the Academic Appeals Committee.
- F. The first meetings of the committee should be within ten working days from receipt of the faculty member's response. At the written request of the student, the committee may consider the case based on the student's written appeal without an appearance by the student before the committee.
- G. The number of meetings necessary to reach a decision will be dictated by each individual case. However, general guidelines are provided:
 1. Both parties involved reserve the right to bring information considered pertinent before the committee. This may include, but is not limited to written documents as well as orally presented information from designated individuals. Although these hearings are considered informal, reasonableness and fairness should prevail in this area.
 2. No representation of the student by legal counsel, parent, or other representative or of the faculty member by legal counsel or other representative except the dean of the college, where warranted, is entertained by the committee.
 3. Testimony from the parties involved should be taken independently, thereby avoiding any open confrontation which could be detrimental to the proceedings.
 4. In its deliberations, the committee should seek to focus only on the issue of the grade appeal or retention in the program in question.
 5. Likewise, the committee's final recommendation should deal only with these issues.
 6. Prior to the proceedings, copies of all written or recorded evidence to be considered must be made available to all parties involved (student, instructor, and dean of the college). Additionally, any party specifically mentioned in a written document will be provided access to that document or the portion thereof relating to that party.
- H. Once the committee has reached a decision, a letter communicating this decision should be delivered to the Vice President for Academic Affairs

within ten working days. In addition, a summary of the proceedings outlining all pertinent points and reasons for the decision should be attached as well as the original petition from the student and the faculty member's response. Any minority opinions from the committee should also be attached.

- I. If the committee has rendered a decision favoring the faculty member, the Vice President for Academic Affairs should communicate this by letter to the appellant with a copy to the faculty member. If the decision rendered recommends a grade change, the Vice President for Academic Affairs should write a letter to the faculty member with a copy to the dean of the college requesting the faculty member's intended action.
- J. Should the faculty member decline to change the grade, the Vice President for Academic Affairs may, based on the Academic Appeals Committee's recommendation, change the grade by administrative action to the specific grade recommended by the committee. If there is an administrative grade change, the student's transcript will reflect this. In addition, on request from the Vice President for Academic Affairs, the committee may reconsider its findings and recommendations. However, once the committee's decision has been accepted by the Vice President for Academic Affairs along with the other documents specified above, the committee's work will be considered complete.

GENERAL INFORMATION

The following list of commonly used terms and policies is presented to enable the student to become familiar with the vocabulary of the campus. These terms and the rules and regulations accompanying them should be learned by the student early in the college career. This section of the catalog applies to all students.

Adviser. The member of the faculty who guides the student in the selection of courses and in solving problems. An adviser will be assigned to the student who has not selected a major field of study. After the major is selected, the dean of the college in which the student is majoring will appoint an adviser.

The adviser will prepare the degree plan and will guide the student throughout the academic program. The student should feel free to consult the adviser in regard to course of study, other interests, and problems.

Audit of Courses. With the written permission of the instructor of the course concerned, an individual may sit in a class as an auditor without receiving college credit. The auditor's name will not be entered on the class roll, and the instructor will not accept any papers, tests, or examinations. Attendance as an auditor may not be made the basis of a claim for credit in a course. Laboratory and skills courses are not available to the auditor. For cost determination, see Audit Fee in financial information section.

Senior citizens 65 years of age or older may audit any course offered by Midwestern without payment of a fee if space is available. In order to determine the "space availability," enrollment by senior citizens will be handled during late registration only. Proof of age is required for the fee waiver (driver's license, voter registration, birth certificate, etc.).

Vehicle registration is required if vehicles are to be parked on campus streets and/or parking lots.

Authorized Absences. Absences due to required participation in university-sponsored activities must be approved by the college dean or Athletic Director and the Vice

President for Academic Affairs. Students with written approval must present a signed letter or memo to each instructor at least two class days prior to the date of the absence. Only prior notification can guarantee lack of penalty for these absences. It is the responsibility of the student to arrange with the instructor to make up all work missed during an authorized absence.

Academically-related activities (class field trips, attendance at conferences, etc.) which result in absences require the cooperation of individual faculty members. Even though such activities are educational in nature they do not qualify as university-sponsored activities. Faculty members who organize such activities should assist their students in contacting and informing relevant faculty of the planned activity. Excused absences for such activities may be given at the discretion of the faculty member whose class is missed.

Procedures for Authorized Absences: The Vice President for Academic Affairs will approve one copy of a request which includes the names of all students involved. The faculty member, upon receipt of the approval, will make copies for each student.

1. Faculty sponsors or coaches should draft a memorandum or letter to the Vice President for Academic Affairs. This memorandum should include information concerning the nature of the event, the date(s) on which students would be absent from class, and the names and social security numbers of the students involved.
2. Upon approval of the vice president, a copy of the memorandum should be given to each student listed.
3. Students should be directed to communicate with their instructor(s) at least two class days prior to the date of the planned absence. Make-up assignments will occur at the convenience of the professor.

Assistance with notification of professors with regard to absences will be provided by the following:

1. Dean of Students Office - For personal emergencies or an illness which requires hospitalization or a prolonged absence a student should notify the Dean of Students.
2. Vinson Health Center - When a student's illness warrants verification, the Dean of Students Office and/or faculty members will be notified.

Change of Major. The student's major is first declared on the application for admission. If a change needs to be made, the student goes to the department office of the new major being declared to complete the appropriate paperwork. More information is available at the following website: <http://registrar.mwsu.edu/changemajor>.

Class Attendance. Students are expected to attend all meetings of the classes in which they are enrolled. Although in general students are graded on intellectual effort and performance rather than attendance, absences may lower the student's grade where class attendance and class participation are deemed essential by the faculty member. In those classes where attendance is considered as part of the grade, the instructor should so inform students of the specifics in writing at the beginning of the semester in a syllabus or separate attendance policy statement. An instructor who has an attendance policy must keep records on a daily basis. The instructor must give the student a verbal or written warning prior to being dropped from the class. Instructor's records will stand as evidence of absences. A student with excessive absences may be dropped from a course by the instructor. Any individual faculty member or college has the authority to establish an attendance policy, providing the policy is in accordance with the General University Policies.

Classification of Students. Students are classified as freshman, sophomore, junior, senior, graduate degree, and post-baccalaureate.

A freshman has fulfilled all admission requirements.

A sophomore has a minimum of 30 semester hours of credit.

A junior has a minimum of 60 semester hours of credit.

A senior has a minimum of 90 semester hours of credit.

A graduate degree student is one who has been officially admitted to graduate work.

A graduate post-baccalaureate student is one who has a bachelor's or higher degree and who is not seeking a master's degree at Midwestern State University. The student may be taking courses for professional development, teacher certification, personal interest, or to transfer graduate credit to another institution. Please refer to the graduate catalog for additional information.

Common Course Numbering System. Midwestern State University has joined with other colleges and universities in Texas in support of the common course numbering system. The purpose of the system is to assist students who are transferring between participating institutions. The system utilizes single unique course alphabetic prefixes and numbers to identify freshman and sophomore level courses which are common between two or more member colleges or universities. Although Midwestern State did not change its numbers to the common course system, a crosswalk is provided in the back of the catalog.

Each common course number has an alphabetic prefix which specifies the program area. A four-digit number is also assigned to each course. The first of four digits identifies the academic level of the course. Freshman or first year courses are designated by a "1" and sophomore or second year courses by a "2." The second digit specifies the number of semester credit hours awarded for the completion of the course. The third and fourth digits distinguish the course within a program area. For example, ENGL 1301 would be a three semester credit English course normally taken during the freshman year. See "Course Numbers" for an explanation of Midwestern State's numbering system.

Course Load. A student must have the approval of the college dean or designee to enroll in more than 19 semester hours during the fall and spring semesters. A student will not be allowed to enroll in more than 7 semester hours plus kinesiology during a summer session without approval.

A student's load is based upon the following number of hours:

Fall, Spring, and Trimester (Undergraduate)

12 hours or above	full-time*
9 hours	3/4 time
6 hours	1/2 time
3 hours	less than 1/2 time

*Six hours of student teaching plus a 3 semester hour course = full-time

RADS 2114, 2215, or 2315 plus a 3 semester hour course = full-time

Nursing courses - 11 semester hours = full-time

Fall, Spring, and Trimester (Graduate)

9 hours	full-time*
6 hours	3/4 time
3 hours	1/2 time

*9 hours or 6 hours plus graduate assistant
or graduate teaching assistant status = full-time

Summer Sessions (Graduate and Undergraduate)

6 hours	full-time
3 hours	1/2 time

Course Numbers. Courses are numbered according to the year in which it is intended they be taken.

1000 courses — first year, for freshmen

2000 courses — second year, for sophomores

3000 courses — third year, for juniors and in a limited amount for graduate students

4000 courses — fourth year, for seniors and in a limited amount for graduate students

5000 courses — fifth year, for graduate students

6000 courses — for graduate students, primarily seminar and thesis courses

With adviser approval, freshman and sophomore students may take 3000-4000 level courses if they have met the prerequisites.

The second and third digits are college identification numbers.

The last digit of a course number indicates the semester hour value of the course.

A number in parenthesis immediately following a course title indicates a former catalog number for the same course.

The three numbers in the right margin of each course title indicate (1) the credit value of the course in semester hours, (2) the number of lecture hours each week, and (3) the number of laboratory hours each week. For example, 4(3-2) indicates a four-semester hour course which meets for three hours lecture and two hours laboratory each week for one semester.

Lower Division Courses. A term frequently used to indicate courses with 1000 and 2000 numbers. The student should enroll continuously during the freshman and sophomore years in required lower division courses until all are completed.

Advanced or Upper Division Courses. A term used to designate 3000 and 4000 numbered courses.

Degree Plan. The degree plan is prepared by the student's adviser and approved by the heads of the major and minor program areas. Degree plans of all students seeking Texas teacher certification should be approved by the Teacher Certification Officer.

The degree plan may never supersede catalog requirements. The student is held responsible for meeting all requirements of the catalog selected for graduation. The degree plan should be prepared as soon as the student's degree, major, and minor objectives have been determined but no later than the first semester of the junior year.

The degree plan may be prepared in accordance with the requirements stated in the catalog in effect at the time the student entered the University or of those of any subsequent year provided that the student completes the requirements within six years of the date of the catalog selected and earns a minimum of twelve semester hours during the year it was in effect. All degree requirements of the catalog selected must be met.

The original copy of the signed degree plan will be filed with the Office of the Registrar. Copies will be sent to the student and to all those who have signed the degree plan. It is the responsibility of the last person signing the degree plan to make distribution of all copies.

Grade Point Average. This figure, abbreviated GPA, is computed by dividing the total grade points (quality points) earned at Midwestern State University by the total number of quality hours attempted at Midwestern State University. Effective Fall 1996, developmental courses (English 1003, 1013, Math 0003, 1003) are computed in the grade point average. A Midwestern State University grade point average of 2.0 is required for graduation.

Transferred grades are not considered in grade point computation. Transfer students admitted with a grade point deficiency must remove the deficiency with grades earned at Midwestern State University. All transfer work accepted in the major and minor fields plus Midwestern State University work in the major and minor fields must have a 2.0 grade point average.

Honor Rolls. A student completing a semester schedule of at least 12 hours in one semester with no grade lower than A (4.0) will be included on the President's Honor Roll. The courses and grades listed below will not be considered in the minimum 12 hours.

A student who completes a semester schedule of at least 12 semester hours in one semester with a grade point average of 3.75 to 3.99 and no grade lower than C will be included on the Vice President's Honor Roll. The courses and grades listed below will not be considered in the minimum 12 hours.

A student who completes a semester schedule of at least 12 semester hours in one semester with a grade point average of 3.50 - 3.74 and no grade lower than C will be included on the Dean's Honor Roll. The courses and grades listed below will not be counted in the minimum 12 hours.

The 12 hours for the President's Honor Roll, Vice President's Honor Roll, and Dean's Honor Roll may include one physical activity course or marching band course each semester. The 12 hours may not include developmental courses (English 1003 and 1013; Math 0003 and 1003). In addition, the student cannot have semester grades of I, WF or NC.

Personal Identification Number (PIN). The PIN is issued to the student by the college of the major after advisement. It is to be used for accessing the telephone or web registration systems. This number should be kept secure by the student for personal privacy protection.

Prerequisite: A condition which must be satisfied prior to enrolling for the course in question. Prerequisites are listed below the course title in the catalog course descriptions.

Problem Course. An individual research course.

The requirements for enrollment in a problem course are as follows:

1. The student must have at least a B average in the area of the proposed problem course or directed readings course with an overall average of not less than 2.5.
2. Approval must be obtained from both the college involved and the professor who will direct the course.
3. Any student below senior standing applying for a problem course will be

referred to the college dean of the course concerned for final approval. An applicant of questionable eligibility will be referred to the dean for final approval.

4. A maximum of six semester hours of undergraduate credit earned in problem courses, conference courses, or other non-scheduled class type courses in any one subject matter area may be counted in the 124 hours required for the bachelor's degree.

Semester Hour. The unit of credit in a course for a semester. For example, in a long semester, a three hour course meets three hours per week for 15 weeks. The minimum number of semester hours required for graduation with a bachelor's degree is 124 semester hours including kinesiology requirements. Developmental courses are excluded from the 124 hours.

Student Alert. A student alert notice should be initiated by University personnel (faculty and staff) when it becomes apparent that a student is experiencing some difficulty requiring intervention/follow-up by the college dean or Counseling Center. Such behavior demonstrated may be excessive absences, poor test performance, high levels of anxiety, etc.

Transcript Service. Official copies of the Midwestern State University transcript may be obtained from the Office of the Registrar. In compliance with PL 93-380, Family Educational Rights and Privacy Act of 1974, transcripts must be requested in writing and the request must bear the signature of the student.

Unofficial copies of the Midwestern State University transcript for advisement and degree plan preparation may be obtained upon written request by the student. Students should periodically review their records to verify the accuracy of the transcript. Unofficial copies of other documents and non-MSU transcripts may also be obtained. All requests must bear the signature of the student.

Forms for requesting transcripts may be printed from the MSU website at: <http://registrar.mwsu.edu/transcript>. No transcripts will be released for students having financial/academic delinquencies at the University.

OFFICE OF VETERANS AFFAIRS

The Office of Veterans Affairs assists students who are eligible for education benefits through the Department of Veterans Affairs.

Information regarding educational benefits for veterans, reservists, and dependents of deceased or 100% disabled veterans can be obtained at the Veterans Affairs office at the University located on the first floor of Hardin South or on the MSU VA web page at <http://registrar.mwsu.edu/veterans>. Information is also available at the Department of Veterans Affairs' website: <http://www.gibill.va.gov> or by calling the Department of Veterans Affairs national toll-free telephone number 1-800-827-1000.

Receipt of education benefits through the Department of Veterans Affairs does not prevent a student from receiving other student aid or benefits; however, the student must meet the qualifications of the other programs.

Texas veterans who have no eligibility under any existing program of the United States Government may be eligible for exemption of tuition and certain fees under the provisions of the Hazlewood Act. See exemptions from Registration Fees on page 45.

FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974

Midwestern State University maintains educational records for each student who is or has been officially enrolled.

Areas in which student records are maintained:

- A. Academic Records - Registrar's Office
- B. Admissions Records - MSU Admissions
- C. Financial Records - Business Office
- D. Financial Aid Records - Financial Aid Office
- E. Placement Records - Career Management Center
- F. Progress Records - Faculty Offices
- G. Disciplinary Records - Dean of Students Office
- H. Athletics Records - Athletics Office
- I. Occasional Records - University staff person who maintains minutes of faculty or committee meetings or copy of correspondence.

Directory Information.

This is information which may be released to the general public without the written consent of the student. A student may request that the Directory Information be withheld from the public by making written request to the Office of the Registrar during the first 12 class days of a fall or spring semester, first 8 class days of a trimester, or the first 4 class days of a summer term. This request will apply only to the current enrollment period. The following items have been designated Directory Information:

- A. Name
- B. Date and Place of Birth
- C. Current and Permanent Address
- D. Telephone Listing
- E. Major and Minor Fields of Study
- F. Student Enrollment Status (full-time/part-time)
- G. Classification
- H. Participation in Officially Recognized Activities and Sports
- I. Weight and Height of Members of Athletic Teams
- J. Dates of Attendance
- K. Degrees and Awards Received
- L. All Previous Educational Agencies or Institutions Attended.
- M. Photographs

Review of Record.

Students who desire to review their record may do so upon written request of the appropriate record custodian. The Review Request Form must identify as precisely as possible the records to be reviewed.

Challenge to Accuracy of Record-keeping.

Students who desire to challenge the accuracy of their record should follow the procedure outlined below:

Informal Review. Follow the procedure as outlined for Review of Record. The official will summarize action taken on Review Request form. This should be signed and dated by review official and maintained with student's record. If the Informal Review does not clarify the question of accuracy of record-keeping, the student may request a Formal Review.

Formal Review. The Vice President for Academic Affairs will chair and appoint a committee to hear challenges concerning academic records. The Vice President for Student Affairs will chair and appoint a committee to hear challenges concerning non-academic records. The student shall be afforded a full and fair opportunity to present evidence relevant to the issues raised in the original request to amend the student's education records. The student may be assisted by one or more individuals, including an attorney.

The Vice President will prepare a written decision based solely on the evidence presented at the hearing. The decision will include a summary of the evidence presented and the reasons for the decision. If the University's decision is that the challenged information is not inaccurate, misleading, or in violation of the student's right of privacy, the student will be notified that he/she has a right to place in the record a statement commenting on the challenged information and/or a statement setting forth reasons for disagreeing with the decision.

The statement will be maintained as part of the student's education records as long as the contested portion is maintained. If MSU discloses the contested portion of the record, it must also disclose the student's statement. If MSU decides that the information is inaccurate, misleading, or in violation of the student's rights of privacy, it will amend the record and notify the student, in writing, that the record has been amended.

Students have a right to consent to disclosures of personally identifiable information contained in their education records, except to the extent that FERPA authorizes disclosure without consent. The following exceptions permit disclosure without consent:

- a. Disclosure without consent is permitted to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, collection agent, or enrollment or loan and degree verification service); a person serving on the Board of Regents; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
- b. The Higher Education Amendments of 1998 allow disclosure of the final results of a student disciplinary proceedings involving students found to have committed a disciplinary offense that would constitute a "crime of violence" (or a nonforcible sex offense) under federal law, specifically the name of the student found to have committed the offense, the violation committed, and any sanction imposed.
- c. The 1998 FERPA amendments also allow institutions of higher education to disclose to a parent or legal guardian of a student under the age of 21 years information regarding the student's violation of any federal, state, or local law, or any institutional rule or policy, related to the use or possession of alcohol or a controlled substance.
- d. Generally, schools must have written permission from the parent or eligible student in order to release any information from a student's education record. However, FERPA allows schools to disclose those records, without consent, to the following parties or under the following conditions (34 CFR § 99.31):
 - School officials with legitimate educational interest;

- Other schools to which a student is transferring (seeks or intends to enroll);
- Specified officials for audit or evaluation purposes;
- Appropriate parties in connection with financial aid to a student;
- Organizations conducting certain studies for or on behalf of the school;
- Accrediting organizations;
- To comply with a judicial order or lawfully issued subpoena;
- Appropriate officials in cases of health and safety emergencies; and
- State and local authorities, within a juvenile justice system, pursuant to specific State law.

Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by Midwestern State University to comply with the requirements of FERPA.

FERPA allows the Texas Higher Education Coordinating Board (the State of Texas educational governing entity), with student consent, to disclose to higher education institutions the number of credit hours taken previously.

TESTING SERVICES

The Testing Office administers and/or has information on the following exams: American College Test (ACT), College Level Examination Program (CLEP), correspondence exams, Defense Activity for Non-Traditional Education Support Standardized Subject Tests (DANTES), English Usage Exam, Examination for the Certification of Educators in Texas (ExCET), General Education Development Test (GED), Graduate Management Admission Test (GMAT), Graduate Record Exam (GRE), Law School Admission Test (LSAT), Medical College Admission Test (MCAT), Miller Analogies Test (MAT), the Praxis Series Exams, Scholastic Aptitude Test (SAT), Texas Academic Skills Program Test (TASP), Test of English as a Foreign Language (TOEFL), and university placement exams.

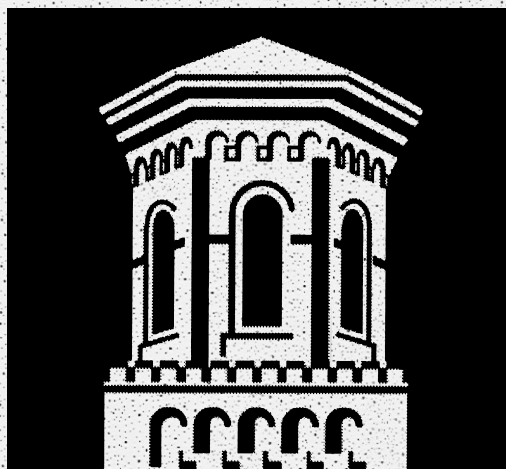
Individuals can access the Testing Services web page at: <http://testing.mwsu.edu>.

Students interested in any phase of testing services are invited to contact the Testing Office at (940) 397-4676.

UPWARD BOUND

Midwestern State University's Upward Bound program is designed to assist low-income, first generation students in attending and becoming successful at the college of their choice. Upward Bound is part of a nation-wide network of TRIO programs funded by the U.S. Department of Education. The program is open to high school freshmen, sophomores, and juniors from the Wichita Falls Independent School District. All those interested are encouraged to apply. Please call (940) 397-4080 or (940) 397-4076 or see your high school counselor for an application.





ACADEMIC INFORMATION

Degree Information

Academic Foundations and Core Curriculum

Pre-Professional Curricula

Applicability of Catalog Regulations

DEGREE INFORMATION

UNDERGRADUATE DEGREES

ASSOCIATE DEGREE

Associate of Applied Science in Radiologic Sciences
Major in radiologic sciences

BACCALAUREATE DEGREES

Bachelor of Applied Arts and Sciences
Major in applied arts and sciences

Bachelor of Arts

Majors offered in art, computer science, English, geology, history, humanities, international studies, kinesiology, mass communication, mathematics, political science, psychology, sociology, Spanish, and theatre

Bachelor of Business Administration

Majors offered in accounting, business computer information systems, economics, finance, general business, international trade, management, and marketing

Bachelor of Science in Dental Hygiene

Major in dental hygiene

Bachelor of Fine Arts

Majors offered in art and theatre

Bachelor of Music

Majors offered in music (performance) and music (certification)

Bachelor of Science

Majors offered in athletic training, biology, chemistry, computer science, environmental science, exercise physiology, geology, health fitness management, kinesiology, manufacturing engineering technology, mathematics, physics, psychology, and sociology

Bachelor of Science in Criminal Justice

Major in criminal justice

Bachelor of Science in Interdisciplinary Studies

Major in interdisciplinary studies with certification program in elementary teaching: early childhood - grade 4 and grade 4 - grade 8

Bachelor of Science in Medical Technology

Major in medical technology

Bachelor of Science in Nursing

Major in nursing

Bachelor of Science in Radiologic Sciences

Major in radiologic sciences

Bachelor of Science in Respiratory Care

Major in respiratory care

Bachelor of Social Work

Major in social work

GENERAL REQUIREMENTS FOR ASSOCIATE OF APPLIED SCIENCE IN RADIOLOGIC SCIENCES

1. Satisfy all admission conditions.
2. The completion of a minimum of twenty-five percent of the semester hours required in the specific degree program at Midwestern State University. Credit by examination may not be used to satisfy the minimum residence requirements.
3. Twelve of the last 15 semester hours required for the degree must be completed in residence at Midwestern State University.
4. A minimum of six semester hours of the major must be completed in residence at Midwestern State University.
5. Not more than 15 semester hours in extension and correspondence may be counted toward a degree. Credit by correspondence for a course failed in residence will not be accepted toward graduation.
6. A student must earn a minimum grade point average of 2.0 on 4.0 system on courses attempted at Midwestern State University as well as on all work counted toward the field of specialization and the degree, i.e., C average on Midwestern State University work attempted and also on transfer work accepted. See program area for any special grade requirements.
7. Twenty-six semester hours of general academic courses listed on page 228 in the Radiologic Sciences section of this bulletin.
8. A minimum total credit of 72 semester hours excluding developmental courses.
9. Satisfactory completion of all requirements specified for the degree by the college in which it is offered.
10. Meet all requirements of the Texas Academic Skills Program.
11. Formal application for the degree through the Office of the Registrar. See Academic Calendar for deadlines and see Application for Degree Candidacy.
12. Payment of fees and satisfaction of all other financial obligations including "exit interviews" as required by loan programs.
13. For May and December graduates, attendance of graduation exercises unless approved by the University President for graduation in absentia.

GENERAL REQUIREMENTS FOR ALL BACHELOR'S DEGREES

1. Satisfy all admission conditions.
2. The completion of a minimum of twenty-five percent of the semester hours required in the specific degree program at Midwestern State University. Credit by examination may not be used to satisfy the minimum residence requirements.
3. Twenty-four hours of the last 30 semester hours required for graduation must be completed in residence at Midwestern State University with the exception of the BAAS and distance education programs in health sciences: BSRC, RN/BSN, and BSRS.
4. A maximum of 18 semester hours may be taken by correspondence. Credit by correspondence for a course failed in residence will not be accepted toward graduation.
5. A major of at least 24 semester hours of which 12 must be advanced; 12 advanced semester hours of the major must be completed in residence at

Midwestern State University. This requirement does not apply to the BAAS degree.

6. A minor of at least 18 semester hours of which six must be advanced (does not apply to BBA, BM, BFA, BSDH, BSIS, BSN, BSRC, BSRS, and BSW). Six advanced semester hours of the minor must be completed in residence at Midwestern State University. This requirement does not apply to the BAAS degree.
7. A student must earn a minimum grade point average of 2.0 on the courses attempted at Midwestern State University. A student must also earn a minimum grade point average of 2.0 on the courses attempted at Midwestern State University in the major and a grade point average of 2.0 in courses attempted at Midwestern State University in the minor. A student must have C (2.0) major, minor, and cumulative grade point averages on all work attempted at Midwestern State University as well as on all work counted toward the major, minor, and cumulative degree requirements, i.e., C average on Midwestern State University work attempted and transfer accepted. Some programs require more than a 2.0 grade point average on major and minor hours. The student should consult with the academic adviser about specific program requirements.
8. A minimum of 42 semester hours advanced work (36 semester hours advanced work for BSDH, BSRS, BSMT; 33 semester hours for the BS, and BSN degrees; and 30 semester hours for the BAAS, BSRC, and RN/BSN degrees).
9. A minimum total credit of 124 semester hours. Developmental courses are excluded from the 124 hours. Other than kinesiology majors, only two physical activities courses will be counted for the 124 hour requirement.
10. Take the ETS (Educational Testing Service) Academic Profile Test. This test assesses the student's knowledge of the academic foundations. It is used as an assessment measure for accreditation; there is no passing or failing score.
11. Satisfaction of the English usage requirement through one of the following options:
 - a. Pass an English usage examination administered between 60 and 90 hours. Students failing the English usage examination must pass English 2113. (See page 251.)
 - b. Pass English 2113, English Composition Skills.
12. Completion of academic foundations.
13. Demonstrate computer literacy by taking a proficiency test or earning credit for CMPS 1023, 1043, BUAD 2153, or EDUC 1023.
14. Satisfactory completion of all requirements specified for the degree by the college in which it is offered.
15. Graduation with honors will be accorded to candidates who have completed at least 30 semester hours of work at Midwestern State University with cumulative grade point average as indicated:

Cum laude	Midwestern State University cumulative grade point averages of 3.50-3.69 inclusive.
Magna cum laude	Midwestern State University cumulative grade point averages of 3.70-3.89 inclusive.
Summa cum laude	Midwestern State University cumulative grade point averages of 3.90-4.00 inclusive.

This recognition is placed on both the permanent academic record and on the diploma. Credit by examination may not be used for honors awarded at graduation. (See page 63) Honors are not awarded for a second bachelor's degree.

16. Formal application for the degree is through the Office of the Registrar. See Academic Calendar and Application for Degree Candidacy.

17. Payment of fees and satisfaction of all other financial obligations including “exit interviews” as required by loan programs.
18. For May and December graduates, attendance of graduation exercises unless approved by the University President for graduation in absentia.

ACADEMIC FOUNDATIONS AND CORE CURRICULUM

To achieve the goals of academic foundations the faculty of Midwestern State University has developed a core curriculum for all baccalaureate degrees, which each student is expected to complete substantially before beginning academic specialization. The following objectives underlie the design of the core curriculum.

1. The curriculum is designed to provide each student a range of knowledge, skills, and intellectual approaches that will support his/her efforts to develop a full and productive life. To meet this objective the University offers a course of study that contributes to the development of a meaningful career and to the continued growth of the student both as an individual and as a rational and ethical member of society.
2. First, the curriculum emphasizes the acquisition of fundamental skills—skills necessary to learning, judgment, and self-expression. Chief among these are reading, analytical and critical thinking, cogent oral and written expression, computation, and quantitative reasoning.
3. Secondly, the curriculum seeks to develop each student’s understanding of him/herself in relation to others through a study of the liberal arts and sciences. Such study provides exposure to the collective knowledge and experience of mankind; each student is introduced to disciplined ways to gather, organize, and communicate this knowledge and experience as they relate to the cultural, social, and physical environment.
4. In the aggregate, the core curriculum provides a substantial base for the second phase of university education; academic specialization to achieve significant mastery in at least one discipline or interdisciplinary field. The core curriculum not only introduces students to a variety of disciplines (and thus to related career options), but more importantly provides a perspective from which to view specialized study in relation to the whole range of human experience and endeavor. As the student proceeds to academic specialization, it becomes the responsibility of each academic department to maintain and nurture this integrating perspective.

CORE REQUIREMENTS

COMMUNICATION - 9 semester hours

ENGL 1113 and 1123

And 3 hours from SPCH 1133 or 1233

MATHEMATICS - 3 semester hours

MATH 1053, 1203, 1233, 1433, 1634, 1734, 2033, 2043

SCIENCE - 6 semester hours

BIOL 1134, 1144, 1234, 1544, 2034

CHEM 1101 and 1103, 1141 and 1143, 1203, 1241 and 1243

ENSC 1114

GEOL 1134, 1233

GNSC 1104, 1204 (for teacher certification students only)

PHYS 1144, 1244, 1533, 1624, 2014, 2114, 2644

HUMANITIES & VISUAL AND PERFORMING ARTS - 9 semester hours

Six hours from English literature, history, humanities, philosophy, or two semesters of a foreign language; any courses in art history, music history, or theatre history may also be accepted in fulfillment of the humanities requirement:

ENGL 2413, 2423, 2613, 2623, 2813, 2823

HIST 1333, 1433, 3133

HUMN 2013, 2023, 2033, 2043, 2053

PHIL 1033, 1533, 2033, 2233, 2633

FREN 1134, 1234

GERM 1134, 1234

SPAN 1134, 1234

3 hours from ART 1213, 1413, MUSC 1033, THEA 1503, MCOM 2213

or

3 hours from ART 1113, 1123, 1313, MUSC 1103, 1603/1601, THEA 2533

or

3 hours from MUSC 1001 and/or 1021

SOCIAL & BEHAVIORAL SCIENCES - 18 semester hours

HIST 1133 and 1233

POLS 1333 and 1433

ECON 1333 or 2333

And 3 hours from PSYC 1103 or SOCL 1133

INSTITUTIONALLY DESIGNATED OPTION - 3 semester hours

KNES 1011 and a two-hour activity course

or

Two different activity courses excluding KNES 1011

or

Two semesters of marching band and one activity course

or

Four semesters of credit in marching band

EXCEPTIONS TO PHYSICAL ACTIVITIES REQUIREMENT

A student may be excused from the physical activities requirement for the following reasons:

1. If the student is a veteran of the U.S. armed forces (discharged under honorable conditions) who has had one year of continuous active military service.
2. If the student has received a physical activities exemption through the Vinson Health Center. Students with disabling conditions should consult their physicians concerning enrolling in the adapted physical education course.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Academic Foundations and Core Curriculum 48 hours (see page 101)

Additional General Requirements

Six hours of literature or humanities courses (chosen from the list of HUMN courses on page 270). Two years of one foreign language. International students who are native speakers of a language other than English may satisfy this requirement by petitioning the Foreign Language Department to verify proficiency in another language

with the major college dean's approval. This waiver applies to all degree programs. A foreign language waiver does not exempt a student from the general humanities requirement. These may be included as part of the core, major, and/or minor.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

Academic Foundations and Core Curriculum 48 hours (see page 101)

Additional General Requirements

All B.S. degree programs must include at least four laboratory science courses, two courses in each of two different laboratory sciences, with the exception of MENT majors who may take four physics courses, (exclusive of Physics 1533, Chemistry 1101, 1103, 1203, and Environmental Science 1114) and two courses in mathematics (exclusive of 0003, 1003, 1053, 1203, 2033 and 2043). The mathematics requirement does not apply to majors in psychology, sociology, kinesiology, health fitness management, exercise physiology, and athletic training. Statistics 3573 may be used to satisfy three hours of this mathematics requirement. These may be included as part of the major and/or minor.

Requirements for Other Degrees

REQUIREMENTS FOR THE ASSOCIATE OF APPLIED
SCIENCE IN RADIOLOGIC SCIENCES DEGREE
See page 227

REQUIREMENTS FOR THE BACHELOR OF
APPLIED ARTS AND SCIENCES DEGREE
See page 249

REQUIREMENTS FOR THE BACHELOR OF
BUSINESS ADMINISTRATION DEGREE
See page 117

REQUIREMENTS FOR THE BACHELOR OF FINE ARTS DEGREE
See page 168 for art
See page 192 for theatre

REQUIREMENTS FOR THE BACHELOR OF MUSIC DEGREE
See page 181

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN CRIMINAL JUSTICE DEGREE
See page 198

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN DENTAL HYGIENE DEGREE
See page 201

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN INTERDISCIPLINARY STUDIES DEGREE
See page 139

**REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN MEDICAL TECHNOLOGY DEGREE**

See page 108

**REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN NURSING DEGREE**

See page 218

**REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN RADIOLOGIC SCIENCES DEGREE**

See page 228

**REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN RESPIRATORY CARE DEGREE**

See page 236

**REQUIREMENTS FOR THE BACHELOR OF
SOCIAL WORK DEGREE**

See page 244

SECOND BACHELOR'S DEGREE

A person who holds a baccalaureate degree from Midwestern State University or another regionally accredited four-year college or university may be awarded a second baccalaureate degree in a different field by:

1. Completing a minimum of 30 semester hours, 18 of which must be advanced, in residence at Midwestern State University.
2. Completing all catalog requirements for the new major field and for the degree sought.
3. A person holding a baccalaureate degree from any college or university other than Midwestern State University will have to meet the English usage requirement.

Honors are not awarded for a second bachelor's degree.

APPLICATION FOR DEGREE CANDIDACY

To graduate at the end of the spring semester, all seniors must pay the graduation fee and file an Application for Degree Candidacy in the Office of the Registrar during the fall semester of their senior year (see University Calendar for deadline). Seniors who plan to complete their work at the close of the fall semester should pay and file no later than July 1. Candidates for summer graduation should file by April 1. Students may also apply for graduation on-line at <http://registrar.mwsu.edu/apply>.

Early application is encouraged to allow time for a complete records check prior to the student's enrolling for the last semester/trimester.

In order to be admitted to candidacy for graduation without reservation, a student must have at least five grade points above the number of semester hours attempted on the official record at the time of application. Any student who enters the last semester or summer term in residence without a surplus of five grade points will be admitted with reservation and thereby forewarned that all degree requirements, both qualitative and quantitative, must be met.

COMMENCEMENT

Midwestern State University conducts commencement exercises in December and May. Candidates who complete their work during the summer terms may participate in the December ceremony. Candidates who complete their degree in the fall semester or trimester are required to attend the December commencement unless approved by the University President for graduation in absentia. Candidates who complete their work at the end of the spring semester or trimester must attend the May commencement unless approved by the President for graduation in absentia. All conferred degrees will be posted to the student's permanent record as of the last day of finals for second summer term or as of the date of the graduation ceremony for December and May.

REQUIREMENTS FOR PRE-PROFESSIONAL CURRICULA

In selecting any pre-professional program, the student should be mindful that the requirements vary with different schools. Therefore, it is always wise for the student to obtain a catalog from the professional school under consideration so that the course of study can be arranged to meet specific requirements.

It is recommended that the student complete work for the bachelor's degree since many professional schools require it as a prerequisite for admission.

The pre-professional student should confer with the adviser in planning a course of study. Several pre-professional curricula have been worked out for student guidance. A copy may be obtained from the student's adviser.

Pre-dentistry, pre-engineering, pre-law, pre-medicine, pre-nursing, pre-osteopathy, pre-optometry, pre-pharmacy, pre-physical therapy, and pre-veterinary medicine, are some of the pre-professional programs which may be taken at Midwestern State University.

A student interested in completing a pre-professional program other than those listed above should consult the college dean of a closely related field so that the program can be planned in keeping with catalog requirements of the institution where the student plans to complete the professional training.

GRADUATE STUDIES

The following master's degrees are offered at Midwestern State University:

Master of Arts

Majors offered in counseling, English, history, human resource development, political science, psychology, and training and development

Master of Business Administration

Majors offered in business administration and health services administration

Master of Education

Majors offered in curriculum and instruction, educational leadership, reading education, school counseling, and special education

Master of Health Administration

Major offered in health services administration

Master of Public Administration

Major offered in public administration

Master of Science

Majors offered in biology and computer science

Master of Science in Kinesiology

Major offered in kinesiology

Master of Science in Nursing

Majors offered in family nurse practitioner, health services administration, and nurse educator

Master of Science in Radiologic Sciences

Majors offered in radiologic administration and radiologic education

Graduate minors are available in biology, computer science, early childhood education, educational foundations, English, English as a second language, gifted and talented, history, information processing technology, kinesiology, mathematics, political science, reading education, and special education. Graduate certificates in health services administration and long term care administration are offered by the College of Health Sciences and Human Services.

For more information about the graduate programs please refer to the Graduate Bulletin.

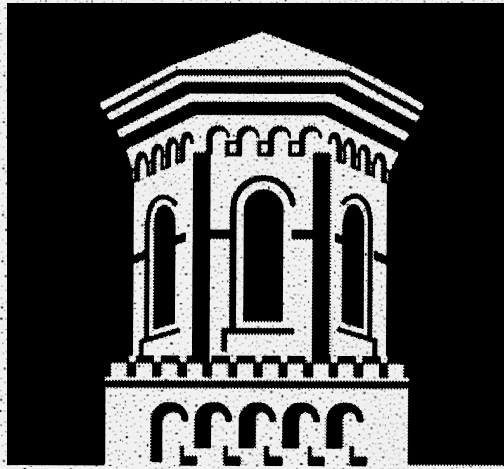
APPLICABILITY OF CATALOG REGULATIONS

The student may receive a degree from Midwestern State University in accordance with the program requirements stated in the catalog in effect at the time that person enters the University or those of any subsequent year provided the requirements are completed within six years of the date of the catalog selected and the student earns a minimum of twelve semester hours during the two-year period it is in effect. The program requirements must be from one catalog. However, the general requirements for the associate and baccalaureate degrees are those which are shown in the current catalog.

THIS CATALOG EXPIRES AND CANNOT BE USED FOR GRADUATION REQUIREMENTS AFTER AUGUST 31, 2009.

Midwestern State University reserves the right to make changes in course offerings, academic policies, academic calendar, tuition, fees, other charges, rules, and regulations as required by the Academic Council, Board of Regents, Texas Higher Education Coordinating Board, Texas Legislature, and state and national testing agencies. The provisions of this catalog are not to be regarded as a contract between the University and its students or applicants. The MSU catalog is also available on the MSU website. The web version will contain policy updates as they are approved and effective. The updated web version will take precedence over the printed catalog.

A separate publication, The Student Handbook, is issued once each year. The rules and regulations stated in the handbook are applicable to all students.



SPECIAL ACADEMIC PROGRAMS

Bachelor of Science in Medical Technology

Bachelor of Science in Nursing - RN/BSN Track

Bachelor of Science in Radiologic Sciences

Academic Support Center

Honors Program

Distance Education

Air Force ROTC through the University of North Texas

SPECIAL ACADEMIC PROGRAMS

ACADEMIC FOUNDATIONS CURRICULUM FOR DESIGNATED ACADEMIC PROGRAMS

The following basic core and additional requirements apply to the Bachelor of Science in Medical Technology, the Bachelor of Science in Nursing - RN/BSN Track, and Bachelor of Science in Radiologic Sciences.

Basic Core (27 semester hours)

Political Science 1333, 1433

English 1113, 1123

Mathematics 1053, or 1203, or 1233*

History 1133, 1233

Speech Communication 3 hours

Demonstrate computer literacy by taking a proficiency test or earning credit for CMPS 1023, 1043, BUAD 2153, or EDUC 1023.

*Math 1233 is required for BSMT.

Additional 18 hours

Select from at least four of the following areas: Social and Behavioral Sciences, Sciences, Fine Arts, Speech Communication (cannot be same course used in Basic Core), Humanities, Economics, and Kinesiology.

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

Pamela Hathorn, Adviser (Bolin Hall 220)

The Bachelor of Science in Medical Technology degree consists of 130 semester hours. Upon successful completion of an AMA approved curriculum, the student is eligible to take the National Certification examination for Medical Technologist.

Basic Core (27 semester hours)

Additional 18 hours (See above)

NOTE: BSMT students may choose 12 hours from three of the areas listed above and count the other 6 hours from the sciences below.

Major - MEDICAL TECHNOLOGY

Academic Course Work (50 semester hours)

Biology 1113, 1144; 1134 and 1234 or 2034; 3004, 4023

Chemistry 1141, 1143, 1241, 1243, 3001, 3003; 3302 and 3303.

Statistics 3573

Additional hours to be selected from Biology or Chemistry to bring total to 50 hours.

Practicum (41 semester hours)

Successful completion of a clinical practicum in a medical technology program approved by the Committee on Allied Health Education and Accreditation of the American Medical Association. Forty-one semester hours are awarded in the following areas of instruction: hematology, chemistry, urinalysis, serology, microbiology, blood banking, laboratory rotation.

The coordinator of the medical technology program will receive and approve syllabi and text materials describing the content of the clinical phase of the medical technology program. Additionally, the coordinator will review test materials and routinely observe the student in the clinical setting before practicum credit is validated. Practicum credit will be posted upon written approval of the University's coordinator of the medical technology program.

BACHELOR OF SCIENCE IN NURSING - RN/BSN TRACK

Deborah Garrison, Chair (J.S. Bridwell Hall 312)

This program provides educational opportunities to registered nurses who have graduated from hospital-based programs or two-year associate degree programs.

Basic Core (27 semester hours)**Academic Course Work (39 hours)**

BIOL 1134, 1234, 3004
NURS 3203
Chemistry 3 hours
PSYC 1103, 3233
PSYC 3313 or equivalent
ECON 1333
SOCL 1133
Fine Arts/Humanities 6 hours

Nursing Major Course Work (58 hours)

NURS 3203, 3303, 3705, 3503, 4107, 4307, PLUS 30 hours of nursing credit will be awarded through the Texas Nurses Association articulation agreement.

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCES

Nadia Bugg, Chair (J.S. Bridwell Hall 201)

The purpose of this program is to provide an educational opportunity for working registered technologists in all specialty areas who are unable to attend scheduled classes on campus.

Basic Core (27 semester hours) (See page 108)**Additional Basic Core for BSRS only (6 semester hours)**

3 hours - Statistics
3 hours - Elective

Additional 18 hours (See page 108)

Major Requirements and Listing of Courses (See page 229)

ACADEMIC SUPPORT CENTER

Coordinator: Diane Spiller
Assistant Professor of Mathematics

The Academic Support Center, created in 1999, provides opportunities for students to maximize their academic potential at MSU. Classes offered are part of the University's academic curriculum and are 3 hour elective credit courses, generally limited to 20 students.

In order to enhance the academic and social integration of all first year and transfer students at MSU, the following college-level course is recommended:

MWSU 1233 College Connections 3(3-0)

This course assists new students in their transition to the college environment and focuses on the cognitive and behavioral dimensions of learning. Emphasis is placed on the disciplines of written and oral communication. A career exploration project is required. Limited to new students.

For students who would benefit from an intensive program of academic assistance in developing individualized learning strategies, the following college-level course is recommended:

EDUC 1003 Skills for Success 3(3-0)

This course examines learning and thinking processes with an emphasis on experiential application of effective reading, writing, and study strategies. Areas of study include information processing theory, cognitive and behavioral influences in motivation and concentration, assessment of learning and thinking styles and development of an individualized protocol for efficient and effective learning and review strategies. Students who re-enter the University following academic suspension may be required to enroll in this course. Students who are on scholastic probation are highly recommended to enroll in this course.

For students who have been nominated for outstanding leadership qualities, the following college-level course is recommended:

MWSU 1333 Leadership MSU 3(3-0)

This course is designed to introduce students to leadership concepts and develop an increased awareness of individual interests and abilities. It relies heavily on student involvement and is designed to encourage challenging and stimulating student interaction. The theory and history of leadership as well as the conceptual skills required by leaders, including team building, collaboration, innovation, conflict resolution, communications, and problem solving are emphasized.

The Academic Support Center also coordinates the academic advising of students who are undecided on a major field of study and offers Supplemental Instruction (SI),

an academic enrichment program that targets historically difficult academic courses and offers free peer-assisted study sessions to all enrolled students in a designated section of selected courses. SI sections are noted in the Schedule of Classes each semester.

For more information, please contact Diane Spiller at MSU (940) 397-4701 or diane.spiller@mwsu.edu.

UNIVERSITY HONORS PROGRAM

Director: Dr. Michelle Smith
Assistant Professor of Foreign Languages and Humanities

First established in 1964 and developed under Midwestern State University's Tradition of Excellence, the University Honors Program offers high achieving MSU students a challenging premier undergraduate learning experience. From the Honors Introductory Seminar at the beginning, through Honors designated classes taught by outstanding faculty, to the Honors Capstone Course and Graduation with Honors, the MSU Honors Program serves as a powerful program from start to finish.

Participation in the Honors Program recognizes the student's potential to work in a more challenging educational framework, guided by some of Midwestern's most outstanding faculty members. In order to graduate with Honors Program distinction, Honors students are required to successfully complete a certain number of courses as specified by the Honors Program. In order to remain in good standing in the Program, Honors students must maintain a minimum cumulative GPA of 3.25 at all times. In addition to these curricular requirements, the Honors Program requires participation in a variety of enriching, extracurricular components, such as a guest speaker series, participation in professional conferences, faculty mentoring, fieldtrips, opportunities for community service and leadership, and a choice of undergraduate research projects, internships, or study abroad. Students must come to the Honors Program Office to be advised concerning their Honors curricular and extracurricular requirements. Honors housing, including our exclusive Honors House, offers students a supportive living/learning environment.

Honors students in good standing receive a yearly Honors scholarship. Participation in the Honors Program is also an important consideration for selection of Midwestern's Clark and Hardin Scholars. Finally, Honors experiences and achievements will better prepare students for success and leadership in graduate and professional schools, in the job market, and as citizens of our global community.

Admission to the Honors Program is by application, including a written essay and a letter of recommendation. Incoming freshmen must meet ONE of the following requirements: a minimum composite SAT score of 1200, a minimum composite ACT score of 27, high school graduation with an IB diploma, high school graduation in the top 5%. Under special circumstances individuals may be granted provisional status based on alternate requirements. Continuing students, including transfer students, may apply to the Honors Program if they have at least 75 semester hours left to complete at MSU.

Midwestern State University is a member of the National Collegiate Honors Council and the regional Great Plains Honors Council. These affiliations broaden the scope of opportunities available for Honors students. By enriching the educational experience of our Honors students, the MSU Honors Program creates an atmosphere of intellectual fellowship that enhances the University-wide quality of education and that

promotes Midwestern State University as the center of intellectual growth and development in North Central Texas.

The selection of Honors designated courses includes an Honors Introductory Seminar at the beginning and an Honors Capstone Seminar at the end:

MWSU 1433 Honors Introductory Seminar

3(3-0)

All new Honors students are required to take this team-taught, interdisciplinary class when they enter the Program. Its purpose is to guide Honors students in their transition to the University, to sharpen Honors-level academic skills, and to introduce students to University-wide faculty members and fields of study. In this course Honors students can learn how researchers in various disciplines acquire and process knowledge, how to relate ideas learned in one discipline to those learned in others, and how to participate meaningfully in a learning community.

MWSU 4433 Honors Capstone Seminar

3(3-0)

All Honors students are required to take this class at the conclusion of the Program. The Honors Capstone Seminar is designed to provide a venue for Honors students to demonstrate their application of field-specific research tools and methodologies and a forum for the presentation of their research projects to cross-disciplinary peers and faculty. The course will engage students in a synthesis of skills gained during their academic years and address the relevance and application of the students' intellectual experiences and skills for the future.

For more information please contact the MSU Honors Program at (940) 397-4534, honors@mwsu.edu or <http://academics.mwsu.edu>.

DISTANCE EDUCATION

The following Distance Learning options offer students an opportunity to earn college credit by participating in a variety of non-traditional oriented courses.

Telecourses

Telecourses are offered each semester as an alternative to the traditional classroom experiences. Students are required to attend an orientation session before the semester starts and to take tests on campus (with the exception of students at the Universities Center at Dallas and at other locations remote from the campus). Telecourses require the regular viewing of professionally produced video programs, either at home on Time Warner's Cable Channel 2 (MSU-TV2), in MSU's Moffett Library, or at other designated locations. In addition, a copy of the tape can be checked out at the Library for home viewing. The class schedule indicates if the course is a telecourse. Telecourses appear on the transcript in the same manner as all other resident credit.

Interactive Television

Midwestern State University receives and transmits courses via the Trans-Texas Videoconference Network in conjunction with the Texas A & M University System. In addition, MSU has established an independent network, which includes Vernon College in Vernon, Texas, the Higher Education Center in Graham, Texas, the Universities Center at Dallas and other locations where demand can be served by appropriate two-

way video technologies. This allows students at a distance to enroll in Midwestern courses via compressed video. Graduate programs in Education, Business, Nursing, and Radiologic Sciences are offered as well as undergraduate programs in Applied Arts and Sciences, Respiratory Care, Radiologic Sciences, and Nursing.

Web-based Courses

MSU offers more than 100 courses on the Internet either as supplements to traditional classroom format or as full web-based courses. Both undergraduate and graduate courses are offered via the Internet.

Universities Center at Dallas (UCD)

Midwestern State University is an affiliate member of the Federation of North Texas Colleges and offers upper-division undergraduate courses and graduate courses at the campus of the Universities Center at Dallas (UCD). Six universities, including Midwestern State, cooperate in offering upper-division undergraduate and graduate courses at UCD: Texas A & M University - Commerce, Texas Woman's University, the University of North Texas, the University of Texas at Arlington, and the University of Texas at Dallas.

Currently Midwestern State University offers the Bachelor of Applied Arts and Sciences degree and the Master of Arts degree in Human Resource Development to students at UCD. For details, call Midwestern State University Office of Extended Education at 940-397-4307 or refer to the university web site.

AIR FORCE ROTC PROGRAM Through the University of North Texas

MSU students are given the opportunity to participate in the Air Force ROTC program at the University of North Texas. For more information, the student should contact:

Division of Aerospace Studies
Divisional Office, Kendall Hall, 144
AFROTC-Det 835
John Boggess, Chair
P.O. Box 305400
Denton, TX 76203-5400
(940) 565-2074
AFROTC@unt.edu

The courses which may be taken in this AFROTC program are:

COURSES IN MILITARY SCIENCE (MLSC)

1031. 1041. **Foundations of the United States Air Force** 1(1-1)

Survey of the structure and missions of Air Force organizations; officership and professionalism; and an introduction to communication skills. (AERO 1030, 1040)

2031. **Evolution of the United States Air Force Air and Space Power** 1(1-1)

Focus on factors contributing to the development of air power from the earliest beginnings through two world wars; the evolution of air power concepts and doctrine; and assessment of communicative skills. (AERO 2030)

2041. Evolution of the United States Air Force Air and Space Power 1(1-1)

Focus on concepts preparatory to developing officer leadership skills; ethics and values, group problem solving, leadership methods, and communications. (AERO 2040)

3314. 3324. Leadership and Management 4(3-1)

Prerequisite for 3324: MLSC 3314.

Study of leadership and quality management fundamentals, professional knowledge, leadership ethics and communication skills required of an Air Force officer. Case studies are used to examine Air force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. (AERO 3310, 3320)

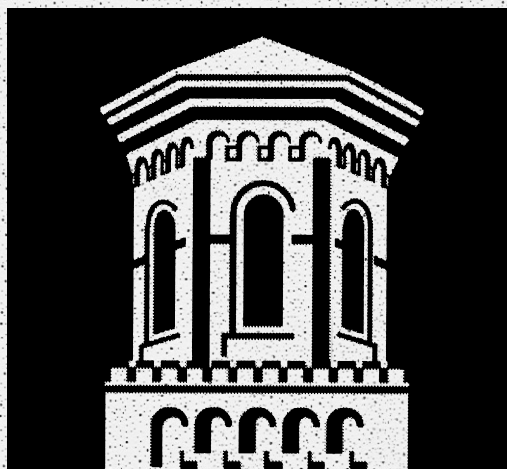
4314. 4324. National Security 4(3-1)

Prerequisite for 4314: MLSC 3314, 3324.

Prerequisite for 4324: MLSC 4314.

Examines the need for national security, analyzes the evolution and formulation of the American defense policy, strategy, and joint doctrine; investigates the methods for managing conflict; and overview of regional security, arms control and terrorism. Special topics of interest focus on the military as a profession, officership, the military justice system, and current issues affecting military professionalism.





ACADEMIC PROGRAMS

Academic Program Advisers

College of Business Administration

Gordon T. and Ellen West College of Education

Lamar D. Fain College of Fine Arts

College of Health Sciences and Human Services

College of Liberal Arts

College of Science and Mathematics

ACADEMIC PROGRAM ADVISERS

Program	Adviser
Accounting	Dr. Ralph Fritzsich
Applied Arts and Sciences	Dr. J. David Martin
Art	Dr. Nancy Steele-Hamme
Athletic Training	Dr. Steven Snowden
Biology	Dr. William Cook
Business Computer Information Systems	Dr. Carolyn Harris
Chemistry	Dr. Rodney Cate
Computer Science	Dr. Ranette Halverson
Criminal Justice	Dr. Mark Davids
Dental Hygiene	Ms. Barbara DeBois
Economics	Dr. Stuart MacDonald
Education	Dr. Ann Estrada
English	Dr. Tom Galbraith
Environmental Science	Dr. Phillip Voegel
Exercise Physiology	Dr. Steven Snowden
Finance	Dr. Stuart MacDonald
General Business	Dr. Charles Bultena
Geology	Dr. John Kocurko
Health Fitness Management	Dr. Steven Snowden
History	Dr. Kenneth E. Hendrickson, Jr.
Humanities	Dr. Lynn Hoggard
International Studies	Dr. Michael Preda
International Trade	Dr. Stuart MacDonald
Kinesiology	Dr. Steven Snowden
Management	Dr. Charles Bultena
Manufacturing Engineering Technology	Dr. Jerry Faulk
Marketing	Dr. Charles Bultena
Mass Communication	Ms. Carla P. Bennett
Mathematics	Dr. William Hinds
Medical Technology	Dr. Pamela Hathorn
Music	Dr. Ruth Morrow
Nursing	Dr. Deborah Garrison
Philosophy	Dr. Fred Stewart
Physics	Dr. Richard Fleming
Political Science	Dr. Sam Watson
Psychology	Dr. George Diekhoff
Radiologic Sciences	Dr. Nadia Bugg
Respiratory Care	Ms. Annette Medford
Social Work	Dr. Jan Walker
Sociology	Dr. Emily LaBeff
Spanish	Dr. Adalberto Garcia
Theatre	Ms. Laura Jefferson
Undecided	Ms. Diane Spiller
Pre-Business	Ms. Barbara McCormack
	Mr. Charles Rouzer
Pre-Dentistry	Dr. Rodney Cate
Pre-Engineering	Dr. Jerry Faulk
Pre-Health Sciences & Human Services	Ms. Catherine Dentler
Pre-Law	Dr. Kris Tilker
	Dr. Stuart MacDonald
Pre-Medical, Pre-Veterinary	Dr. Rodney Cate
Pre-Pharmacy, Pre-Physical Therapy	Dr. William Cook

COLLEGE OF BUSINESS ADMINISTRATION

Martha Harvey, Interim Dean (Fowler Hall 225)

MISSION STATEMENT FOR THE COLLEGE OF BUSINESS ADMINISTRATION

The mission of the College of Business Administration is to prepare students for positions of leadership in business, professional, and public sectors of a global society. There is a commitment to first provide students with a broad education based upon the University's Academic Foundations followed by a general exposure to economic institutions and the complex relationships existing between government, business, and consumers. In their upper-level studies, students receive a concentrated education in one of the specialized areas of accounting, business computer information systems, economics, finance, general business, international trade, management, or marketing. Additionally, the College contributes to the further development of the North Texas region through consultation, continuing education, research, and technical assistance. The Bureau of Business and Government Research, Center for Economic Education, and the Small Business Development Center play major roles in this regard. In order to provide quality education and these services, the College of Business Administration maintains highly qualified faculty members who are committed to teaching excellence and staying abreast of new developments through scholarship and professional development.

The B.B.A. degree programs are accredited by the Association of Collegiate Business Schools and Programs.

REQUIREMENTS FOR THE BACHELOR OF BUSINESS ADMINISTRATION

The Bachelor of Business Administration (B.B.A.) degree is offered with majors in accounting, business computer information systems, economics, finance, general business, international trade, management, and marketing.

Minors are offered in business administration, accounting, business computer information systems, and economics. (See pages 119, 123, 125, and 127 for specific courses.)

Teacher certification is available in basic business as a primary teaching field through the West College of Education. Students seeking teacher certification should check with the West College of Education concerning the specific requirements for teacher certification early in their college careers.

All candidates for a Bachelor of Business Administration (B.B.A.) degree must complete a course of study consisting of a minimum of 124 hours including kinesiology requirements, if applicable. Candidates must satisfy all general requirements for a bachelor's degree (see page 99) as well as requirements listed below.

ACADEMIC FOUNDATIONS AND CORE CURRICULUM (see page 101)

Candidates for the B.B.A. degree must satisfy all academic foundations and core curriculum requirements (see page 101).

PRE-PROFESSIONAL COURSES

In order to earn the B.B.A. degree, students must complete all nine (27 semester hours) of the pre-professional courses listed below.

BUAD	1033	Business Environment and Public Policy
ENGL	1113	Rhetoric and Composition
ENGL	1123	Rhetoric and Composition
MATH	1203	Mathematical Analysis for Business ¹ OR MATH 1233 College Algebra
ACCT	2143	Financial Accounting
ACCT	2243	Managerial Accounting
BUAD	2153	Microcomputer Applications for Business
ECON	2333	Macroeconomics ²
ECON	2433	Microeconomics

¹ It is recommended that business majors enroll in MATH 1203.

² Business Majors should take this option in the Academic Foundations.

PRE-BUSINESS REQUIREMENTS

All entering freshmen and transfer students pursuing a B.B.A. degree in the College of Business Administration will be classified as Pre-Business. Pre-Business students will not be allowed to take upper division business courses (3000 and 4000 level) until all of the following conditions have been satisfied:

- a. At least 48 semester hours of lower division courses (1000 and 2000 level) including all nine of the **pre-professional courses** (27 semester hours) listed above have been completed.
- b. An overall minimum grade point average of 2.0 must have been earned on all lower division courses completed prior to registering for upper division business courses. (Note: A minimum grade point average of 2.0 must have been earned on all courses taken at MSU in order to graduate.)

PROFESSIONAL BUSINESS CORE

After satisfying the Pre-Business Requirements discussed above, students pursuing the B.B.A. degree may begin taking upper level business courses including those listed in the Professional Business Core. In order to receive the B.B.A. degree, students must successfully complete all ten (30 semester hours) of the Professional Business Core courses listed below.

MGMT	3013	Organizational Behavior of Business
BUAD	3113	Management Information Systems
BUAD	3213	Business Statistics I
BUAD	3223	Business Communications
BUAD	3233	Legal Environment of Business
BUAD	3423	Business Statistics II
MGMT	3453	Operations Management
MKTG	3723	Principles of Marketing
FINC	3733	Business Finance
MGMT	4853	Strategic Management

REQUIREMENTS FOR MAJORS IN BUSINESS ADMINISTRATION

Students may select a major in accounting, business computer information systems, economics, finance, general business, international trade, management, or marketing; however, the course of study during the first two years is virtually the same for all business administration majors. (See Pre-Business Requirements above.)

Specific requirements for a major in the undergraduate program are listed below. Each major requires the courses in the Professional Business Core plus other courses specific to the particular major selected. Students must maintain a grade point average of 2.0 or higher for both major and Professional Business Core.

Students pursuing a B.B.A. degree with any major must take a minimum of 40 percent of their semester hours outside the College of Business Administration. College of Business Administration courses are listed as ACCT, BUAD, BCIS, ECON, FINC, MGMT, and MKTG; however, BUAD 2153, ECON 2333, and ECON 2433 may be counted as work outside the College of Business Administration when making this calculation.

Total hours granted for internship in all areas of business administration may not exceed six hours of credit.

Credit by Examination

Course credit by examination may be earned through making a satisfactory test score on the College Level Examination Program (CLEP) or through a proficiency examination covering a particular course. Business students who plan on taking a CLEP or proficiency examination need to secure approval from the Dean of the College of Business Administration. If a student transfers to MSU after taking CLEP examinations, the student must secure approval from the Dean of the College of Business Administration before credit can be awarded toward the student's degree.

Transfer Credit

All transferred credits must be evaluated and accepted by Midwestern State University. Accounting, business, and economics courses taken at junior or community colleges which are offered at Midwestern State University as upper division (3000 or above) courses will not normally be accepted as credit toward the B.B.A. Under special circumstances a student may be allowed to validate such courses by successfully passing a higher level course in the same subject, by successfully completing a College Level Examination Program (CLEP), or by a proficiency examination; however, any such testing requires the prior approval of the College Dean.

REQUIREMENTS FOR MINOR IN BUSINESS ADMINISTRATION

(21 semester hours)

Minors do not require completion of the entire pre-business requirements.

ACCT 2143 and 2243, ECON 2433, FINC 3733, BUAD 3213, MGMT 3013, and MKTG 3723.

Completion of the above courses satisfies the common body of knowledge requirements for the MBA program.

NOTE: Students minoring in business administration should take ECON 2333 and BUAD 2153 instead of the other options listed under the Academic Foundations and General Degree Requirements.

COURSES IN BUSINESS ADMINISTRATION (BUAD)**1033. Business Environment and Public Policy** 3(3-0)

A general survey course emphasizing the interaction of business with the economic, governmental, social, ethical, and international environments. Introduction to the public policy process and issues with focus on ethical and moral considerations. Recommended for students having an interest in majoring or minoring in business.

1122. Keyboarding (formerly BCIS 1122) 2(2-0)

For students with no previous instruction in typing. Instruction in the operation of microcomputers using the touch method.

2153. Microcomputer Applications (formerly BCIS 2153) 3(3-0)

An introduction to common software programs for business and academic applications. Emphasis is on the use of electronic spreadsheets, preparing the student for subsequent business courses. Other topics include word processing and presentation software.

2203. Quantitative Business Analysis 3(3-0)

Prerequisites: BUAD 2153 and MATH 1203 or 1233.

Introduction to the quantitative methods of analysis as applied to business and economic problems. Topics of study include collecting and describing data, graphical analysis, and descriptive statistics.

3103. MIS for Non-Business Majors 3(3-0)

Prerequisite: BAAS major or consent of instructor.

Introduction to management information systems and the importance of systems in achieving organizational goals. Includes an overview of hardware, software, databases, and other technology impacting management issues. May not be counted toward a major in business administration.

3113. Management Information Systems (formerly MGMT 3113) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Introduction to management information systems and the importance of systems in achieving organizational goals. Includes topics such as systems concepts, time-sharing, telecommunications, distributed databases, and associated software and hardware.

3213. Business Statistics I 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Emphasizes the use of statistics in business decision making. Topics of study include probability distributions, sampling and estimation, and hypothesis testing of means.

3223. Business Communications 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Study and applications of the concepts of inter- and intra-organizational communication oral and written. Includes listening skills, letters, memos, proposals, resumes, giving instructions, chairing meetings, and interviews.

3233. Legal Environment of Business 3(3-0)

Prerequisites: Completion of Pre-Business Requirements, POLS 1333, and POLS 1433.

An introduction to the procedures of the American legal system and how law operates in the legal environment of business including ethical considerations and international, economic, political, and social influences. Topics include nature of law, torts,

and contracts. This course is an excellent elective for non-business majors and pre-law students.

3243. Commercial Law 3(3-0)

Prerequisite: BUAD 3233 or consent of instructor.

Course deals with Articles 2, 3, and 4 of the Uniform Commercial Code (sales, commercial paper, banking agency, and real and personal property). This course will help students taking the CPA exam. This course is very beneficial for business majors and pre-law students.

3423. Business Statistics II 3(3-0)

Prerequisite: BUAD 3213.

A continuation of BUAD 3213 as an intermediate course in business statistics. Topics of study include selected non-parametric techniques, analysis of variance, an introduction to forecasting, time series analysis, multiple correlation, and regression analysis. Computer software is used throughout the course.

3993. Cooperative Business Education Practicum 3(0-3)

Prerequisites: Completion of Pre-Business Requirements.

The purpose of the Cooperative Business Education Practicum is to provide students with opportunities to integrate their classroom learning with practical work/learning experiences in the workplace and to clarify and reaffirm their educational goals. This course provides professional experiences to assist the student in gaining work competencies in a specific major, to clarify career goals, determine workplace competencies, learn the workplace culture, benefit from professional networking, and increase opportunities for employment after graduation. It will also assist students personally to determine their strengths and weaknesses, enhance their interpersonal skills, and earn funds to support their educational pursuits.

4743. Management and Control of Quality 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

An introduction to quality management systems in both the manufacturing and service sectors. Topics include the economics of quality, impact on management systems, and the use of statistics to control and improve business operations.

4763. International Strategic Decision Making 3(3-0)

Prerequisites: MGMT 3013 and MKTG 3723.

An in-depth examination of problems, strategies, and techniques frequently encountered and utilized by global business managers in structuring, implementing, and monitoring international business activities. Focus will be both global and country-specific. Culture, marketing, legal, forms of organizations, joint ventures, trading blocks, and technology development are among the topics covered.

4873. Seminar in Business 3(3-0)

Prerequisites: Completion of Pre-Business Requirements, senior standing in Business Administration and consent of instructor.

Seminar discussions and projects dealing with topics in business administration. May be repeated for credit when topics vary.

4883. Problems in Economics and Business 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and consent of the Chair.

Research in a specific area selected by the student in conjunction with a member of the school faculty. This course is open only to students of high scholastic standing. Enrollment must be approved prior to registration.

ACCOUNTING

Ralph Fritzschn, Chair (Fowler Hall 210)

Professors: Fritzschn, T. Harris

Assistant Professors: Bauer, Matthews

Professors Emeriti: McInturff, Madera, Tittle

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN ACCOUNTING

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for Major in Accounting: (24 semester hours)

ACCT 3023, 3033, 3043, 3073, 3203, 4043 or 4053, and six accounting elective hours selected from ACCT 4013, 4023, 4083, 4123, 4213, 4333.

Other Program Requirements: (3 semester hours)

BUAD 3243.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

JOINT MBA/BBA IN ACCOUNTING

This program is an integrated 150 hour combination of the BBA in accounting and the MBA (non-thesis option) involving 114 hours of undergraduate and 36 hours of graduate coursework. Completion of the program results in the awarding of both degrees and fulfills the educational requirements of the Texas State Board of Public Accountancy for certification as a Certified Public Accountant based on the American Institute of Certified Public Accountant's 150 hour program requirements.

Students interested in this program should consult an accounting adviser at the beginning of their junior year regarding special scheduling requirements and must apply for admission to the graduate program in the semester before starting their last 12 hours of undergraduate credit. (See graduate catalog for specific requirements.) If accepted for graduate admission, students may enroll in both graduate and undergraduate courses for the remainder of the program.

REQUIREMENTS FOR JOINT MBA/BBA IN ACCOUNTING

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (See page 118 omitting BUAD 3423 and MGMT 4853.)

Undergraduate Accounting Program Requirements (omitting one undergraduate accounting elective) (21 semester hours): ACCT 3023, 3033, 3043, 3073, 3203, and 4043 or 4053. ACCT 4123 must be taken as the other accounting elective.

MBA Program Requirements (Non-Thesis Option): (See program requirements

in the graduate catalog.) The following 12 hours in accounting must be completed as part of the 15 graduate elective hours required in the non-thesis route: ACCT 5033, 4043 or 4053, 4083, and 5883 or 5893. The listed undergraduate courses are to be taken for graduate credit. Courses of the same title cannot be taken for both graduate and undergraduate credit.

Other Program Requirements (3 semester hours): BUAD 3243.

Electives to bring total to 150 semester hours including kinesiology requirements, if applicable.

Certification as a Certified Public Accountant (CPA)

The Texas State Board of Public Accountancy currently requires the completion of 150 semester hours including 36 hours of accounting. Students intending to become certified should complete ACCT 4123 (Advanced Accounting) and ACCT 4083 (Federal Income Tax II) as their accounting electives. A second auditing course (ACCT 4043 or 4053) and Survey of Accounting Theory (ACCT 5033) should also be completed in addition to other requirements of the major in accounting.

REQUIREMENTS FOR A MINOR IN ACCOUNTING: (18 semester hours)

Minors do not require completion of the entire pre-business requirements.

ACCT 2143, 2243, 3023 (prerequisite BUAD 2153 or equivalent), 3033, and six advanced hours.

COURSES IN ACCOUNTING (ACCT)

2143. Financial Accounting 3(3-0)

Introduction to fundamental concepts and principles underlying accounting information, the accounting cycle, service and merchandising operations, sole proprietorships and partnerships, and corporations.

2243. Managerial Accounting 3(3-0)

Prerequisite: ACCT 2143.

Accounting for cash flows, financial statement analysis, responsibility and cost accounting, and budgeting.

3023. Accounting Information Systems 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Microcomputer spreadsheet techniques and accounting; general ledger programs and sub-programs relevant to the basic accounting cycle.

3033. Intermediate Accounting I 3(3-0)

Prerequisite: ACCT 3023 with a grade of "C" or higher.

Financial accounting theory and problems; statement presentations; an intensive course combining theory and practical applications.

3043. Intermediate Accounting II 3(3-0)

Prerequisite: ACCT 3033 with a grade of "C" or higher.

A continuation of Accounting 3033. An intensive course combining theoretical concepts and practical applications of accounting for a wide range of business activities.

- 3073. Federal Income Tax I** 3(3-0)
Prerequisites: Completion of Pre-Business Requirements.
General concepts of federal income taxation applicable to individuals and business entities.
- 3203. Cost Accounting I** 3(3-0)
Prerequisites: Completion of Pre-Business Requirements.
Theory and procedures used in determining costs of business operations with emphasis on manufacturing accounting for materials, labor, and overhead in job order, process, and standard cost systems.
- 3633. Financial Analysis** (Same as FINC 3633) 3(3-0)
Prerequisites: Completion of Pre-Business Requirements.
The study of financial tools and techniques used in the analysis of financial statements and other information for the purpose of deriving reasonable judgments about past, present, and future conditions of the firm and the effectiveness of its management.
- 4013. Petroleum Accounting** 3(3-0)
Prerequisite: ACCT 3033 or consent of the Chair.
Basic financial accounting and reporting requirements for oil and gas producing companies, physical processes of a petroleum company, and compliance requirements of professional and regulatory organizations.
- 4023. International Accounting** 3(3-0)
Prerequisites: Completion of Pre-Business Requirements.
A study of the accounting issues and problems of multinational corporations including comparative accounting standards and the international standard-setting process.
- 4043. External Auditing** 3(3-0)
Prerequisite: ACCT 3043 or concurrent enrollment.
Theory, practice, and procedure of auditing, internal accounting control, auditing standards and principles, and working papers and reports.
- 4053. Internal Auditing** 3(3-0)
Prerequisites: Completion of Pre-Business Requirements.
Topics in auditing, theory, and practice. Includes internal controls, auditing procedures for automated accounting systems, and operations.
- 4083. Federal Income Tax II** 3(3-0)
Prerequisite: ACCT 3073.
Survey of federal income tax laws applicable to corporations, partnerships and S-corporations, and fiduciary relationships.
- 4123. Advanced Accounting** 3(3-0)
Prerequisite: ACCT 3043 or concurrent enrollment.
Intensive study of special areas in accounting with emphasis on consolidated statements; other topics include multinational companies, fiduciaries, insolvencies, partnerships, and fund accounting.
- 4333. Governmental and Nonprofit Entity Accounting** 3(3-0)
Prerequisites: Completion of Pre-Business Requirements and three hours of upper level accounting.
Application of accounting principles and systems of budgeting, accounting, and reporting of governmental units and other nonprofit entities.

4883. Problems in Accounting 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and consent of the Chair.

Research in a specific area selected by the student in conjunction with a member of the accounting faculty. This course is open only to students of high scholastic standing. Enrollment in this course must be approved prior to registration.

4893. Internship in Accounting 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and approval by Dean.

Field experience in accounting with local or regional firms. Provides significant accounting work experience involving training and supervision by an employer. A written report and employer evaluation are required. May be repeated for up to six hours of credit.

BUSINESS COMPUTER INFORMATION SYSTEMS

Carolyn Harris, Chair (Fowler Hall 222)

Professors: C. Harris, Harvey

Assistant Professors: Friesen, Hilbers, Johnston, Matthews, Suh, Swartwout

Instructor: VonDielingen

Professor Emeritus: McInturff

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN BUSINESS COMPUTER INFORMATION SYSTEMS

Academic Foundations and Core Curriculum: (See page 101)

Pre-Professional Courses: (See page 118)

Professional Business Core: (See page 118)

Courses for Major in Business Computer Information Systems: (24 semester hours):

BCIS 3113, 3303, 4123, 4133, 4143, plus nine semester hours selected from ACCT 4053, BCIS 3113 (with a different topic) 3153, 3203, 3403, or MGMT 4613.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

REQUIREMENTS FOR MINOR IN BUSINESS COMPUTER INFORMATION SYSTEMS (18 semester hours)

BUAD 3113 Management Information Systems

One approved programming language (C, C++, COBOL, Visual Basic, or Java)

BCIS 4123 Database Applications for Business

Three advanced BCIS courses approved by BCIS Department Chair

COURSES IN BUSINESS COMPUTER INFORMATION SYSTEMS (BCIS)

3113. Business Programming Language (formerly 2113) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

An introduction to a programming language which has relevance to business applications. Includes language theory and programming logic as well as implementation. May be repeated if topic differs.

3153. Advanced Microcomputer Applications in Business 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and consent of instructor.

Discussion and applications of recent advances in hardware, software, and/or telecommunications in business. This course may be repeated for credit when topic content changes.

3203. Electronic Commerce 3 (3-0)

Prerequisites: Completion of Pre-Business Requirements and junior standing.

This course will explore business uses of the tools and technologies needed for Electronic Commerce. Topics include business concepts, opportunities, challenges, and strategies that surround the emergence of electronic commerce. Problems related to the impact of electronic commerce such as social issues, risk, security, authentication, encryption, privacy, and methodologies will be discussed.

3303. Business Telecommunications 3(3-0)

Prerequisite: BUAD 3113.

Telecommunication applications and regulating environment as they apply to business. An introduction to the technical aspects of current telecommunications technology and the managerial aspects of telecommunications in business organizations.

3403. Desktop and Web Publishing 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

This course explores popular software for creating various types of business publications and internet documents. A group project allows students to design newsletters, product information brochures, web pages, and other documents for local businesses.

4123. Database Applications in Business 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and senior standing.

An examination of database management systems and their applications in business. Emphasis is placed on design, consideration of the end-user, and management of databases. There will be extensive hands-on use of a microcomputer-based database package.

4133. Business Systems Analysis 3(3-0)

Prerequisites: Senior standing and completion of BUAD 3213.

Study of the analysis phase of the system development life cycle. Emphasis is placed on feasibility studies, requirement analysis, human factors, and preliminary design. Diagramming techniques and CASE tools, and team presentations will be studied and/or utilized.

4143. Business Systems Design and Implementation 3(3-0)

Prerequisites: Senior standing and grade of "C" or better in BCIS 4123 and 4133.

Study of the design and implementation phases of the system development life cycle. Emphasis is placed on detailed, physical design of a system, and its implementation in a microcomputer environment. Students will work in a team environment to develop a prototype computer-based system for a client, either real or hypothetical.

4893. Internship in Business Computer Information Systems 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and approval by Dean.

Field experience in selected areas of information systems with local enterprises and agencies. May be repeated for up to six hours credit. Must be approved and arranged prior to registration.

ECONOMICS, FINANCE, AND INTERNATIONAL TRADE

Stuart MacDonald, Chair (Music Education 201)

Professors: Fukasawa, Harmel, Martinez, Patin

Associate Professor: Van Geem

Assistant Professors: Lewis, MacDonald, Williams

Professors Emeriti: Krienke, Rodriguez, Welch

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN ECONOMICS

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for Major in Economics: (24 semester hours)

ECON 3323, 3333, 3703, BUAD 3423 (from Professional Business Core),
plus 12 semester hours of upper level economics.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

REQUIREMENTS FOR A MINOR IN ECONOMICS (18 semester hours)

ECON 2333, 2433, plus 12 semester hours of upper level economics which must include 3323 or 3333.

COURSES IN ECONOMICS (ECON)

1333. General Economics 3(3-0)

A non-theoretical approach to describe economic involvement in relevant social and political matters. A subject matter to help fill the general need for improved economic reasoning. (Students majoring or minoring in business administration should take ECON 2333 instead of this course.)

2333. Macroeconomic Principles 3(3-0)

Prerequisite: MATH 1203 or MATH 1233.

Scope and methodology of economics. Development of principles useful for understanding aggregate economics and for choosing policy to resolve problems such as unemployment, inflation, recession, poverty, economic stagnation, and resource waste.

2433. Microeconomic Principles 3(3-0)

Prerequisite: MATH 1203 or MATH 1233.

Economic principles to describe behavior of business firms under conditions of

competition or monopoly and to explain what determines product and resource price levels. An application of economic tools to select problems in monopoly, international trade, economic development, and taxation.

3323. Intermediate Macroeconomics 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Macroeconomic analysis is studied to identify forces affecting the economy's performance and to present theory useful in policy development to achieve society's economic goals.

3333. Intermediate Microeconomics 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

An analysis of the overall functioning of the price system and of the modern business firm in a private enterprise, market-oriented economy. The relation of price, quantity, and profit under competition and imperfect competition.

3703. Money, Banking, and Monetary Theory 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Historical development, present organizational structure, and operational importance of the money and banking systems with introduction to monetary theory as a tool for choosing appropriate economic policy.

3713. History of Economic Thought 3(3-0)

Prerequisites: Completion of Pre-Business Requirements or consent of the instructor.

The significance, influence, and development of economic doctrines from ancient times to modern thought.

3743. Public Finance 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

A critical analysis of government acquisition and disbursement of revenues; detailed attention to the various taxing programs, the economic effects of governmental debt, and the significance of governmental expenditures for national defense, public works, social security benefits, resource development, and education.

4033. Quantitative Methods (same as MGMT 4033) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements, BUAD 3213.

Methods and application of operations research including topics such as linear programming, queuing, simulation, PERT, networks, transportation, and Markov analysis.

4633. Contemporary Economics Issues 3(3-0)

Prerequisites: Completion of Pre-Business Requirements or consent of the instructor.

Content will vary at different offerings. Topics will be selected as needed to keep students abreast of contemporary economic issues. Courses may be repeated for credit approval when topics vary.

4643. International Economics and Finance (same as FINC 4643) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

International trade theory and practice, historical survey, balance of payments, and world economic problems.

4723. Comparative Economic Systems 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Examination of economic characteristics and institutions related to economic freedom, growth, business enterprise, government planning, taxation expenditure, and transfer payments in the U.S., France, United Kingdom, West Germany, and Japan.

4743. Industrial Organization 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

The implications as to how the structure of business organization, the conduct of buyers and seller, and the involvement of government affect economic performance and welfare in the society.

4883. Problems in Economics 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and consent of the Chair.

Research in a specific area selected by the student in conjunction with a member of the school faculty. This course is open to students of high scholastic standing. Enrollment must be approved prior to registration.

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN FINANCE

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for a Major in Finance: (24 semester hours)

FINC 3353, 3733 (from Professional Business Core), 4643, 4653, 4733, plus nine semester hours (three courses) selected from ECON 3323, 3333, 3743, FINC 3413, 3633, FINC 3753 and advanced accounting (limit six semester hours).

Other Requirements: (3 semester hours)

ECON 3703.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

COURSES IN FINANCE (FINC)

1733. Personal Finance 3(3-0)

A study from the consumer's point of view of individual and family financial problems with emphasis on budgeting, credit purchases, insurance, social security, taxes, investments, and sources of consumer information.

3353. Financial Institutions and Markets 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

The structure, internal operation, regulation, supervision, and interaction of financial institutions and markets within the United States.

3413. Real Estate 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Real estate principles and practices and market forces affecting real estate finance, sales, and brokerage; urban land use, and location analysis; the impact of government policies upon the real estate industry.

3633. Financial Analysis (Same as ACCT 3633) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

The study of financial tools and techniques used in the analysis of financial statements and other information for the purpose of deriving reasonable judgments about past, present, and future conditions of the firm and the effectiveness of its management.

3733. Business Finance 3(3-0)

Prerequisite: BUAD 3213.

An introduction to the principles of business financial management on both a national and international basis. Primary emphasis on time value of money, risk, and return, asset valuation, capital budgeting, cost of capital, short and long-term financing, and dividend policy.

3753. General Insurance 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

Designed to acquaint the student with the general principles of insurance and their application to the business situation; fundamentals of the major types of insurance, including life, casualty, surety, fire, and marine.

4643. International Economics and Finance (same as ECON 4643) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

International trade theory and practice, historical survey, balance of payments, and world economic problems.

4653. Financial Management 3(3-0)

Prerequisite: FINC 3733.

The financial management of the corporation with emphasis on the development of analytical and decision-making techniques. Topics include financial planning, capital budgeting, evaluation of alternative sources of short-term, intermediate and long-term funds and determination of the best combination of these sources, and the financing of growth and development.

4733. Investments 3(3-0)

Prerequisite: FINC 3733.

Study of various investment markets with special emphasis on corporate and government securities; the effect of investment control by the federal government evaluated from viewpoint of the public and the investor.

4893. Internship in Finance 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and approval by Dean.

Field experience in finance with local or regional firms. Provides significant finance work experience involving training and supervision by an employer. The maintenance of a weekly log, a written report, and an employer evaluation is required. May be repeated for up to six hours of credit. Total hours granted for internships in all areas of business may not exceed six hours of credit.

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN INTERNATIONAL TRADE

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for a Major in International Trade: (24 semester hours)

GEOG 3003, ECON 3323 or 3333, 4633, 4643, 4723, MKTG 4643, BUAD 4763 and three semester hours selected from ACCT 4023, HIST 4433, 4643, POLS 3533, 3653, 4333, 4653, 4933, or ECON 4883*.

* International Studies may be substituted for 36 hours of course work in major. See your adviser for details.

Other Requirements: A two semester (8 hours) foreign language sequence.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

MANAGEMENT, MARKETING, and GENERAL BUSINESS

Charles Bultena, Chair (Fowler Hall 208)

Professors: McCullough, Patterson, Ramser, Tilker

Assistant Professors: Bultena, Duan, Shao

Instructor: McCormack

Professors Emeriti: Boutwell, Krienke, McWhorter, Moeller, Rountree

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN MANAGEMENT

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for Major in Management: (24 semester hours)

MGMT 3013 (from Professional Business Core), 3783 or 4843, 4213, 4413, 4513, 4613; plus either FINC 4653 or MKTG 4753; and one of the following: ECON 3703, 4643, 4703, or MGMT 4033.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

COURSES IN MANAGEMENT (MGMT)

3013. Organizational Behavior in Business 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

A study of human relations as applied to people at work in all forms of organizations. Topics to be covered include the fundamentals both of organization and of organizational behavior, including leadership, motivation, group dynamics, structure, systems, communications, conflict, power, change, and stress. Also includes historical development of management, as well as the topics of ethical, international, and technological management.

3453. Operations Management 3(3-0)

Prerequisite: MGMT 3013.

Study of concepts, issues, and techniques for systems of production. Development of a basic understanding of the manufacturing function in industry.

3783. Entrepreneurship 3(3-0)

Prerequisite: MGMT 3013.

Study of entrepreneurship: how to go about starting, financing, and running a successful new business. Topics covered will include: characteristics of successful entrepreneurs, the idea, business plan, sources of capital, self-development, recruiting, forecasting, and financial planning. A term project will involve the development of a business plan for an actual proposed new business.

4033. Quantitative Methods (same as ECON 4033) 3(3-0)

Prerequisite: BUAD 3213.

Methods and application of operations research including topics such as linear programming, queuing, simulation, PERT, networks, transportation, and Markov analysis.

4213. Human Resource Management 3(3-0)

Prerequisite: MGMT 3013.

Personnel and human resource policies and practices related to procuring and training employees, development, careers, job analysis, basic compensation, equal opportunity, and fairness. Also looks at human resource philosophy and the national/international arena.

4413. Human Resource Perspectives 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and senior standing in business administration, or consent of instructor.

Human resource policies and practices relating to benefits, performance appraisal, rewards, motivation, communications, labor relations, and health and safety. Problem solving, applications orientation with emphasis on human resource manager's job.

4513. Employment Relations 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and senior standing in business administration or consent of instructor.

A case-oriented analysis of current issues in the broad field of employment relations, including the relationship between labor unions and management. Issues include fair employment and compensation practices, human utilization and motivation, development, individual rights, collective bargaining, laws, guidelines, and executive orders.

4613. Supervisory Management 3(3-0)

Prerequisite: MGMT 3013.

A study of the art of working with and through people as a first level manager or supervisor or team leader. Topics include the role of supervisory management; the management functions of planning/decision making, organizing, delegation, motivation, counseling, discipline, and control; and change, stress, and time management. Historical, ethical, and international dimensions will be considered.

4713. Simulation Models in Business 3(3-0)

Prerequisite: BUAD 3113.

A study of the construction and analysis of computer based modeling systems. Topics include manufacturing, distribution, and service based systems.

4843. Management of Small Enterprises 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and senior standing in business administration or consent of instructor.

A study of small business management issues that arise during the early years of a new business. Comprehensive look at the business functions as they relate to small enterprises.

4853. Strategic Management 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and graduating senior in business administration or consent of instructor.

Formulation and implementation of top-level managerial strategy. Topics include internal/external analysis, business, corporate, and international strategy, competitive dynamics, acquisition/restructuring, strategic leadership, and innovation. Students apply course concepts by developing a strategic case analysis and by participating in a computer business simulation.

4893. Internship in Management 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and approval by Dean.

Field experience in selected areas of business administration with local or regional organizations. May involve a specific project or theoretical integration with the "real world." May be repeated for up to six hours credit. Must be approved and arranged prior to registration.

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN MARKETING

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for Major in Marketing (24 semester hours)

MKTG 3723 (from Professional Business Core), 3823, 4143, 4203, 4743, 4753 plus six semester hours selected from MKTG 3803, 4223, 4233 4253, 4643 or MGMT 3783.

Other Requirements: (3 semester hours)

Three hours of advanced economics.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

COURSES IN MARKETING (MKTG)**3723. Principles of Marketing** 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

A description and analysis of business activities designed to plan, price, promote, and distribute products and services to customers. Topics studied include the marketing environment, consumer buying habits and motives, types of middlemen, marketing institutions and channels, governmental regulations, advertising, and current marketing practices.

3803. Marketing on the Internet 3(3-0)

Prerequisite: MKTG 3723.

An introduction to the World Wide Web as an online marketing tool. Includes coverage of user characteristics and behavior, Web technology, design, and management of Web pages as a distribution and marketing communication medium.

3823. Consumer Behavior 3(3-0)

Prerequisite: MKTG 3723.

An exploration and evaluation of the extensive body of research evidence pertaining to the consumer, and an assessment of the marketing implications of the various processes and facets of consumer motivation.

4143. Marketing Research 3(3-0)

Prerequisites: BUAD 3213, MKTG 4753 or concurrent enrollment, and senior standing in business administration.

Emphasizes the importance and use of marketing research in U.S. businesses. Includes a detailed analysis of the research process from the formulation of the problem to the preparation of the research report. Each student will complete a research project.

4203. Promotion Management 3(3-0)

Prerequisite: MKTG 3723.

An overview of the broad field of promotion. Including promotional program selection, media selection, and determination of advertising effectiveness and coordination of the advertising function with the other promotional tools of personal selling and sales promotion.

4223. Retailing 3(3-0)

Prerequisite: MKTG 3723.

Philosophy and techniques of modern retail merchandising; store location, traffic studies, store layouts and arrangements, store organization, merchandising budget system, and store policies.

4233. Current Marketing Topics 3(3-0)

Prerequisite: MKTG 3723.

Content will vary each semester course is taught. Topics are selected in order to keep marketing majors abreast of contemporary marketing topics. Course may be repeated for credit when topics change.

4643. International Marketing 3(3-0)

Prerequisite: MKTG 3723.

A survey of international marketing, world markets, political restraints in trade, and international marketing practices.

4683. Public Relations (same as JOUR 4683) 3(3-0)

Prerequisites: Completion of Pre-Business Requirements.

See journalism section. May be counted as marketing.

4743. Advanced Marketing Problems 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and graduating senior standing in business administration.

The utilization of oral and written cases in solving problems in the areas of marketing management and marketing strategy. Emphasis is placed on simulated problem solving and decision making in the marketing environment.

4753. Marketing Management 3(3-0)

Prerequisites: MKTG 3723 and BUAD 3213 or concurrent enrollment.

Marketing management including a study of qualitative and quantitative market analysis, product distribution, sales management functions, sales organization, sales promotion functions, and sales control.

4893. Internship in Marketing 3(3-0)

Prerequisites: Completion of Pre-Business Requirements and approval by Dean.

Field experience in selected areas of marketing with local or regional businesses. May be repeated for up to six hours credit. Must be approved and arranged with professor prior to registration, and the total hours of combination of any internships cannot exceed six hours.

GENERAL BUSINESS

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN GENERAL BUSINESS

Academic Foundations and Core Curriculum: (see page 101)

Pre-Professional Courses: (see page 118)

Professional Business Core: (see page 118)

Courses for Major in General Business (24 semester hours)

ACCT 3073 or 3633 or 3023; BUAD 3243; ECON 3323 or 3333; FINC 3753 or 4653 or 4733; any two courses from MGMT 3783, 4033, 4213, 4613, 4843; MKTG 4223 or 4253 or 4753; and three hours of electives in the College of Business Administration.

Electives to bring total to 124 semester hours including kinesiology requirements, if applicable.

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN GENERAL BUSINESS AND TEACHING CERTIFICATION

Students seeking a major in general business and teaching certification should check with the West College of Education concerning specific requirements for teaching certification, and then the students should work closely with their respective advisers in the Colleges of Business Administration and Education. Program requirements for the B.B.A. with teaching certification will total approximately 140 semester hours including kinesiology requirements, if applicable.



AUXILIARY PROGRAMS

Center for Regional Economic Development

Yoshi Fukasawa, Ph.D.
Director

The Center for Regional Economic Development is a part of the College of Business Administration at Midwestern State University. The principal goals of the Center are:

1. to assist the College of Business Administration in developing community outreach programs;
 2. to maintain and disseminate information on regional economic development;
 3. to coordinate and supervise auxiliary programs in the College (BBGR, CEE, SBDC) for regional economic development; and
 4. to hold conferences and seminars to promote regional economic development.
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Bureau of Business and Government Research

Norman M. Lewis, M.B.A.
Director

The Bureau of Business and Government Research is an integral part of Midwestern State University. The principal purposes of the Bureau are:

1. to provide assistance in research conducted by the faculty and students in the University;
2. to conduct and encourage research related to the local community; and
3. to promote public understanding of contemporary economic, business, and government issues.

The Bureau of Business and Government Research at Midwestern State University is a member of nationwide Association for University Business and Economic Research.

The Mamie Raborn Center for Economic Education

John Martinez, Ph.D.
Director

The Mamie Raborn Center for Economic Education was established in 1982 to increase the economic understanding of the public school students and teachers, the university community, and the citizens of the North Texas area. In cooperation with the Texas Council on Economic Education and the Joint Council on Economic Education the Center provides: (1) teacher training programs, (2) economic education materials, and (3) economic education services to the community.

The scope of the Center was broadened in 1993 to encompass international business, international trade, and international entrepreneurship. The Center serves to facilitate the development and coordination of appropriate programs for the dynamic global economy and to improve international access to Midwestern State University education resources in Business Administration.

Small Business Development Center

Jeannie Hilbers, M.B.A., C.P.A.
Director

The MSU Small Business Development Center provides assistance to small businesses. Clients include those already in business and those who want to start a new enterprise. The Center provides business and technical advice in one-on-one counseling. Special seminars and workshops are developed and presented as needed. Assistance in international trade, government contracting, and technology transfer is also offered. In the process of working with clients, a data base is being assembled that reflects the economic activity of our geographic area. This data will be useful in better understanding our small business sector.



Bridwell Professorship of Accounting

The Bridwell Professorship of Accounting was established in 1990 by the Bridwell Foundation to bring outstanding scholarship to Midwestern State University. The professor holding this position is recognized in the accounting profession for his academic achievements.

Dr. Tommy Harris, the Bridwell Professor of Accounting, came to Midwestern State University in 1993 from Lamar University. Dr. Harris has written and presented many papers in the accounting field and has received numerous honors for teaching excellence. He is both a certified management accountant and a certified public accountant. After employment in public accounting, Dr. Harris earned his Ph.D. degree from Louisiana State University and now has over 25 years of college teaching experience. He is an active participant and has held a wide variety of positions in the Institute of Management Accountants.

Bridwell Professorship of Finance

The Bridwell Professorship of Finance was established in 1990 by the Bridwell Foundation to bring outstanding scholarship to Midwestern State University. The professor holding this position is recognized in the finance profession for his academic achievements.

Dr. Roy P. Patin, Jr., the Bridwell Professor of Finance, came to Midwestern State University in 1992 from McNeese State University. Dr. Patin has written numerous articles and has served as a finance consultant. He has work experience with Exxon Oil Company and Dow Chemical Company. He has held administrative positions in higher education and has taught at McNeese State University, Clemson University, and Mississippi State University.



GORDON T. AND ELLEN WEST COLLEGE OF EDUCATION

Grant W. Simpson, Jr., Dean (Ferguson Hall 201A)

EDUCATION

Ann Estrada, Chair (Ferguson Hall 201B)

Professors: Coe, Kallam, Land, Newton, Simpson

Associate Professors: Capps, Dowd, Estrada, Gore, Hartzler,
Kitchen, Menard, Stange

Assistant Professors: Bailey, Burger, Jones, Redmon

Certification Officer: Darter

Professors Emeriti: Darter, Dickerson, Furr, Hill, Smith

MISSION STATEMENT FOR THE GORDON T. AND ELLEN WEST COLLEGE OF EDUCATION

The purpose of the Gordon T. and Ellen West College of Education is to provide high-quality, research-based, undergraduate and graduate programs of instruction in each of the areas included in the college as well as coordinate the campus components in teacher education. The college prepares professional educators, counselors, and trainers for successful careers in elementary and secondary schools, business, allied health, industry, government and higher education institutions. Programs in education provide learning opportunities through organized classes and field experiences, internships, or practica. Students are prepared to use current technology and to work with a diverse population.

The undergraduate teacher certification program of the West College of Education functions within a Center for the Professional Development of Teachers (CPDT). The CPDT consists of the Gordon T. and Ellen West College of Education and seven public schools: five elementary schools, one junior high school, and one high school. All professional education courses, and most reading courses, are taught as field-based courses in classrooms dedicated to our teacher education program in those professional development schools.

The Gordon T. and Ellen West College of Education offers teacher certification for elementary, secondary, and all-level teachers. Students who wish to become elementary teachers (Early Childhood – Grade 4; Grades 4-8) graduate with a Bachelor of Science in Interdisciplinary Studies (BSIS). Students who wish to become secondary teachers (Grades 8-12) or all-level teachers (Grades K-12) pursue a Bachelor of Science, Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, or Bachelor of Business Administration with a major and/or minor in appropriate teaching fields.

The program requirements listed are those in effect at the time this catalog was published. Changes may be mandated by the Texas Higher Education Coordinating Board (THECB), State Board for Educator Certification (SBEC), or Midwestern State University Teacher Education Committee (MSU-TEC). Students should contact the West College of Education for information regarding program changes.

Students already holding a bachelor's degree who wish to seek teacher certification should contact the Certification Officer, Ferguson Hall 213, for an assessment of their degree and specific program requirements.

Title II Data

The teacher education preparation program is accredited by the State Board for Educator Certification. The following information describes the program according to current Title II data available at the time this catalog was published.

A. Program Information

1. Number of students enrolled during 1999-2000 - 344
2. Average number of hours of supervised practice teaching required for each student teacher - 480
3. Faculty-student ratio in supervised practice teaching - 4:1

B. Pass Rate

The following table shows the pass rate on the ExCET for those persons completing the initial teacher education program between September 1, 1999 and August 31, 2000. The table shows the Midwestern State University pass rate and the State of Texas pass rate.

<u>Area</u>	<u>Number Tested</u>	<u>Number Passing</u>	<u>MSU Pass Rate</u>	<u>State Pass Rate</u>
Summary	111	107	96	88
Professional Knowledge	111	110	99	90
Academic Content	123	114	93	92
Other Content	*			99
Teaching Special Populations	11	10	91	91
<u>Individual Assessments:</u>				
Professional Development (Elementary)	67	67	100	92
Professional Development (Secondary)	44	43	98	88
Elementary Comprehensive	67	65	97	94
Art (All-level)	*			95
Art (Secondary)	**			98
Music (All-level)	*			97
Music (Secondary)	*			93
Physical Education (All-level)	**			94
Physical Education (Secondary)	17	16	94	90
Generic Special Education	11	10	91	91
English as a Second Language	**			73
English (Secondary)	*			88
Mathematics (Secondary)	*			93
Science Composite (Secondary)	*			91
Life/Earth Science (Secondary)	*			95
Chemistry (Secondary)	*			89
Earth Science (Secondary)	**			96
Physical Science (Secondary)	**			*
Biology (Secondary)	*			92
Social Studies Composite (Secondary)	*			72
Government (Secondary)	*			85
Economics (Secondary)	**			100
History (Secondary)	*			84

Physics (Secondary)	**			*
Speech Communications (Secondary)	**			85
Theatre Arts (Secondary)	**			96
Spanish (Secondary)	*			95
French (Secondary)	**			91
Basic Business (Secondary)	*			100
Sociology (Secondary)	**			75
Generic Basic Skills	111	111	100	100

* Indicates less than 10 test takers.

** No students took tests in these programs.

State Board for Educator Certification Mandated Changes

We anticipate that the State Board for Educator Certification will mandate changes in several areas of teacher certification and the requirements for certification after this catalog is published. Please inquire with the Dean of the West College of Education to determine if such changes have been made.

Admission to the Teacher Certification Program: The Teacher Education Committee expects all teacher education students to be above average scholars; therefore, to be considered for admission to the Teacher Certification program, the applicant must have:

1. an application on file (forms available in Education Office);
2. three letters of recommendation (forms available in Education Office);
3. satisfactory scores on the Texas Academic Skills Program (TASP), or equivalent, in reading, writing, and mathematics;
4. at least 60 semester hours of credit;
5. a cumulative grade point of 2.75; and
6. a grade point of 2.5 in freshman English (excluding any developmental courses).

When the above steps have been successfully completed, the student's application to the teacher education program is submitted to the Teacher Education Committee. The Teacher Education Committee has the authority to accept or reject an applicant to teacher certification based on the applicant's file and other relevant information. Admission to the Teacher Education Program is highly selective. Should limitations on resources require restrictions to be placed on the number of students admitted in a given semester or year, the Teacher Education Committee will admit students according to the level of distinction achieved.

All students must satisfy the basic skills testing requirement (Texas Academic Skills Program test) and have 60 credit hours prior to enrolling in any professional education course (EDUC 3153, 3163, 4106, 4166, 4173, 4176, 4466, 4473, READ 4203, 4213, 4223, 4273). Students should complete all requirements and file for admission by the time they have completed 60 hours of credit. Students having 60 hours of credit and having met the TASP requirement but who have not been admitted to the program are limited to taking 6 semester hours of professional education.

Undergraduate students seeking teacher certification shall have their official adviser appointed by the Dean of the West College of Education. The Certification Officer will advise post-baccalaureate candidates.

Admission to Student Teaching. Students should make application for student teaching by October 15 for the spring semester and by March 15 for the fall semester.

Consideration for admission requires a 2.6 grade point average (programs in the College of Liberal Arts require a 2.75**) and the dean's approval in professional education and each teaching field. A grade of "D" in a course required for certification cannot be used in a student's major, minor, or professional education courses. Students may be required to pass qualifying exams in their respective colleges prior to being admitted to student teaching. Forty-five hours of field experiences, with at least one-half at the appropriate teaching level, must be completed before student teaching begins.

All students receive a speech/language diagnostic assessment as part of their coursework. If there are areas for remediation and correction, speech/language therapy is provided for students as a professional service. Admission into student teaching is contingent upon completion of the recommended corrective steps. Proper speech and language is a professional competency and expectation. Providing these services to education students should be viewed as a tangible benefit of attending MSU.

Student teachers seeking elementary certification must have completed Education 3153, 4106, Reading 4203, 4213 and 4223, prior to student teaching. Education 3163 will be taken during the semester of student teaching.

Student teachers seeking secondary certification must have completed Reading 4273, Education 3153, and 4106 prior to student teaching. Education 3163 will be taken during the semester of student teaching.

Student teaching will be full days for 12 weeks.

**Teaching fields in the College of Liberal Arts include Composite Social Studies, English/Language Arts and Reading, French, History, and Spanish.

Fitness for the Teaching Profession. Students who are admitted to teacher education are expected to meet specified non-academic standards that are necessary to be competent teachers. The intent is to ensure that the students recommended for teacher certification are able to effectively and independently carry out the duties for which they are being prepared. The fitness criteria include physical characteristics, personality characteristics, responsibility characteristics, communication skills, social relationships, and commitment to the teaching profession. Students who have been identified with a demonstrable discrepancy by two or more professors or cooperating teachers will meet with the Faculty Review Committee to discuss options and develop a growth plan. The Faculty Review Committee consists of three faculty members in the West College of Education appointed by the dean. Failure to make satisfactory progress on the growth plan may result in denied admission to student teaching or removal from the program.

Recommendation for Certification. University recommendation for teacher certification will be made upon completion of the approved program, satisfactory scores on the state competency examinations (TExES), and approval by the Teacher Education Committee. Recommendation for certification will not be made for a student receiving a grade below "C" in student teaching. Certification requires successful scores on the TExES and an application fee set by the State Board for Educator Certification. Application for certification is made by applying online at the website for the State Board for Education Certification (<http://www.sbec.state.tx.us>). Contact the Certification Assistant in the Education Office for detailed instructions on applying online.

Upon receipt of the University recommendation, the State Board for Educator Certification screens all applicants for Texas certificates for a record of felony or misdemeanor conviction through the Texas Department of Public Safety. In accordance with Article 625213c, Texas Civil Statutes, the Commissioner of Education may sus-

pend or revoke a teaching certificate, or refuse to issue a teaching certificate for a person who has been convicted of a felony or misdemeanor for a crime which directly relates to the duties and responsibilities of the teaching profession.

Bachelor of Science in Interdisciplinary Studies (BSIS)

Elementary/Middle School Certification

The BSIS is designed for initial certification of elementary and middle school teachers. The degree program includes two levels of certification, Early Childhood – Grade 4 and Grades 4-8.

Early Childhood Through Grade 4 (EC-4)

Academic Foundations and Core Curriculum 46 hours

ENGL	1113, 1123	Rhetoric and Composition	6
SPAN	1134, 1234	Elementary Spanish	8
GNSC	1104, 1204	Life/Earth Science and Physical Science	8
HIST	1133, 1233	Survey of American History	6
POLS	1333, 1433	American Government	6
MATH	1113 or 1233	Concepts of Algebra or College Algebra	3
SPCH	1133 or 1233	Fundamentals of Speech or Voice and Diction	3
PSYC	1103 or SOCL 1133	General Psychology or Intro. to Sociology	3
ART	4303	Foundations of Art I	3

Academic Subject Area 40 hours

ENGL	Sophomore literature	3
COUN	2023 Human Development	3
ECON	1333 or 2333 General Economics or Macroeconomics	3
MATH	2033, 2043 Structures of the Number System I and II	6
BIOL	2333 or KNES 2333 Nutrition	3
Science	(One 4 hour lab science)	4
MUSC	4813 Foundations of Music	3
COUN	3143 Human Diversity	3
ECED	3103 Introduction to Young Children	3
ECED	4123 Early Childhood Development: Language and Literacy	3
SPED	3613 Exceptional Individuals	3
EDUC	3153 Educational Psychology	3

Professional Education 24 hours

EDUC	2013 School and Society	3
EDUC	3163 Classroom Management	3
EDUC	4106 Planning and Assessment	6
ECED	4133 Early Childhood Curriculum	3
ECED	3173 ESL Methods and Materials	3
EDUC	4166 Student Teaching in Elementary School	6

Reading	12 hours
READ 3013 Child and Adolescent Literature	3
READ 4203 Developmental Reading	3
READ 4213 Methods of Teaching Reading and the Language Arts	3
READ 4223 Diagnosis and Correction of Reading Difficulties	3
Other Requirements	9-10 hours
EDUC 1023, CMPS 1023 or demonstrate computer proficiency through department exam.	3
KNES 4663 Fundamentals of Elementary Physical Education	3
KNES Activity	2
KNES 1011 Fundamentals of Physical Activity and Health or 1 activity	1-2
Total semester hours	131-132

Bachelor of Science in Interdisciplinary Studies Grade 4 Through Grade 8

The West College of Education offers the following four teaching fields for grades 4-8 certification: English/Language Arts and Reading, Mathematics, Science, and Social Studies.

English/Language Arts and Reading (4-8 Certificate)

Academic Foundations and Core Curriculum	46 hours
ENGL 1113, 1123 Rhetoric and Composition	6
SPAN 1134, 1234 Elementary Spanish	8
GNSC 1104, 1204 Life/Earth Science and Physical Science	8
HIST 1133, 1233 Survey of American History	6
POLS 1333, 1433 American Government	6
MATH 1113 or 1233 Concepts of Algebra or College Algebra	3
SPCH 1133 or 1233 Fundamentals of Speech or Voice and Diction	3
PSYC 1103 or SOCL 1133 General Psychology or Intro. to Sociology	3
ART 1413 or MUSC 1033 Art or Music Appreciation	3
Academic Subject Area	46 hours
ENGL Sophomore literature	6
ENGL 3503 Advanced Survey of Literature	3
ENGL 3513 Advanced Grammar	3
ENGL 3533 Theory of Composition	3
Advanced English (3000 or 4000 level)	6
JOUR 1233 Introduction to Mass Communication	3
COUN 2023 Human Development	3
MATH 2033, 2043 Structure of the Number System I & II	6
ECON 1333 or 2333 General Economics or Macroeconomics	3
Science (One 4 hour lab science)	4
COUN 3143 Human Diversity	3
SPED 3613 Exceptional Individuals	3

Professional Education 21 hours

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3163	Classroom Management	3
EDUC	4106	Planning and Assessment	6
EDUC	4166	Student Teaching in Elementary School	6

Reading 12 hours

READ	3013	Child and Adolescent Literature	3
READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3
READ	4223	Diagnosis and Correction of Reading Difficulties	3

Other Requirements 9-10 hours

EDUC	1023,	CMPS 1023 or demonstrate computer proficiency through department exam.	3
KNES	4663	Fundamentals of Elementary Physical Education	3
KNES		Activity	2
KNES	1011	Fundamentals of Physical Activity and Health or 1 activity	1-2

Total Semester Hours 134-135

Mathematics (4-8 Certificate)

Academic Foundations and Core Curriculum 46 hours

ENGL	1113, 1123	Rhetoric and Composition	6
SPAN	1134, 1234	Elementary Spanish	8
GNSC	1104, 1204	Life/Earth Science and Physical Science	8
HIST	1133, 1233	Survey of American History	6
POLS	1333, 1433	American Government	6
MATH	1233	College Algebra	3
SPCH	1133 or 1233	Fundamentals of Speech or Voice and Diction	3
PSYC	1103 or SOCL 1133	General Psychology or Intro. to Sociology	3
ART	1413 or MUSC 1033	Art or Music Appreciation	3

Academic Subject Area 37 hours

MATH	2033, 2043	Structure of Number System I & II	6
MATH	3033	Modeling	3
MATH	3113	Techniques in Problem Solving	3
MATH	3133	Foundations of Geometry	3
STAT	3573	Probability and Statistics	3
MATH	4033	Foundations of Discrete Math	3
GNSC	3104	Concepts of Science	4
COUN	2023	Human Development	3
COUN	3143	Human Diversity	3
GEOG	3003	Geography of the World	3
SPED	3613	Exceptional Individuals	3

Professional Education 21 hours

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3163	Classroom Management	3
EDUC	4106	Planning and Assessment	6
EDUC	4166	Student Teaching in Elementary School	6

Reading 12 hours

READ	3013	Child and Adolescent Literature	3
READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3
READ	4273	Content Reading	3

Other Requirements 12-13 hours

EDUC	1023, CMPS 1023	or demonstrate computer proficiency through department exam.	3
KNES	4663	Fundamentals of Elementary Physical Education	3
KNES		Activity	2
KNES	1011	Fundamentals of Physical Activity and Health or 1 activity	1-2
ECON	1333 or 2333	General Economics or Macroeconomics	3

Total semester hours 128-129

Science (4-8 Certificate)

Academic Foundations and Core Curriculum 46 hours

ENGL	1113, 1123	Rhetoric and Composition	6
SPAN	1134, 1234	Elementary Spanish	8
GNSC	1104, 1204	Life/Earth Science and Physical Science	8
HIST	1133, 1233	Survey of American History	6
POLS	1333, 1433	American Government	6
MATH	1113 or 1233	Concepts of Algebra or College Algebra	3
SPCH	1133 or 1233	Fundamentals of Speech or Voice and Diction	3
PSYC	1103 or SOCL 1133	General Psychology or Intro. to Sociology	3
ART	1413 or MUSC 1033	Art or Music Appreciation	3

Academic Subject Area 46-48 hours

BIOL	1144	General Zoology or GEOL 1233 – Historical Geology	3-4
BIOL	1544	General Botany	4
GEOL	1134	Physical Geology	4
GNSC	3104	Concepts of Science	4
PHYS	1533	Descriptive Astronomy	3
3 courses from: BIOL 3434, 3534, GEOL 3023, 3133			10-11
CHEM	1103	Introductory Chemistry	3
MATH	2033, 2043	Structure of the Number System I & II	6
COUN	2023	Human Development	3
COUN	3143	Human Diversity	3
SPED	3613	Exceptional Individuals	3

Professional Education 21 hours

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3163	Classroom Management	3
EDUC	4106	Planning and Assessment	6
EDUC	4166	Student Teaching in Elementary School	6

Reading 12 hours

READ	3013	Child and Adolescent Literature	3
READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3
READ	4273	Content Reading	3

Other Requirements 12 hours

EDUC	1023, CMPS 1023	or demonstrate computer proficiency through department exam.	3
KNES	4663	Fundamentals of Elementary Physical Education	3
KNES		Activity	2
KNES	1011	Fundamentals of Physical Activity and Health	1
ECON	1333 or 2333	General Economics or Macroeconomics	3

Total Semester Hours 137-139

Social Studies (4-8 Certificate)

Academic Foundations and Core Curriculum 46 hours

ENGL	1113, 1123	Rhetoric and Composition	6
SPAN	1134, 1234	Elementary Spanish	8
GNSC	1104, 1204	Life/Earth Science and Physical Science	8
HIST	1133, 1233	Survey of American History	6
POLS	1333, 1433	American Government	6
MATH	1113 or 1233	Concepts of Algebra or College Algebra	3
SPCH	1133 or 1233	Fundamentals of Speech or Voice and Diction	3
PSYC	1103 or SOCL 1133	General Psychology or Intro. to Sociology	3
ART	1413 or MUSC 1033	Art or Music Appreciation	3

Academic Subject Area 45 hours

HIST	1333	Survey of Western Civilization	3
HIST	1433	Survey of Western Civilization	3
HIST	3133	Comparative World Religions and Cultures	3
HIST	3003	Survey of Texas History	3
SOCL	3783	Populations and World Cultures	3
SOST	3003	Concepts of Social Studies	3
POLS	2523	Foundations of Government	3
GEOG	3003	Geography of the World	3
GEOG	3013	Geography of North America	3
ECON	2333	Macroeconomics	3

MATH	2033, 2043	Structure of the Number System I & II	6
COUN	2023	Human Development	3
COUN	3143	Human Diversity	3
SPED	3613	Exceptional Individuals	3

Professional Education 21 hours

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3163	Classroom Management	3
EDUC	4106	Planning and Assessment	6
EDUC	4166	Student Teaching in Elementary School	6

Reading 12 hours

READ	3013	Child and Adolescent Literature	3
READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3
READ	4273	Content Reading	3

Other Requirements 13 hours

EDUC	1023, CMPS 1023	or demonstrate computer proficiency through department exam.	3
KNES	4663	Fundamentals of Elementary Physical Education	3
KNES		Activity	2
KNES	1011	Fundamentals of Physical Activity and Health	1
Science		(One 4 hour lab science)	4

Total Semester Hours 137

Bachelor of Science in Interdisciplinary Studies
Special Education Early Childhood through Grade 12
General Education Early Childhood through Grade 4

Academic Foundations and Core Curriculum 44 hours

ENGL	1113, 1123	Rhetoric and Composition	6
ENGL		Sophomore literature	6
GNSC	1104, 1204	Life/Earth Science and Physical Science	8
HIST	1133, 1233	Survey of American History	6
POLS	1333, 1433	American Government	6
MATH	1233	College Algebra	3
SPCH	1233	Voice and Diction	3
PSYC	1103 or SOCL 1133	General Psychology or Intro. to Sociology	3
		One course from: ART 4303, MUSC 4813, THEA 4423	3

Academic Subject Area 40 hours

ENGL	3523	Advanced Composition	3
MATH	2033, 2043	Structure of Number System I & II	6
		Advanced MATH (3000 or 4000 level)	3
Science		(One 4 hour lab science)	4

SPED	3513	Behavior Management	3
SPED	4113	Foundations of Special Education	3
SPED	4123	Assessment	3
SPED	4513	Teaching Strategies for Affective Disorders	3
SPED	4523	Vocational/Transitional Education	3
SPED	4533	Early Childhood Special Education	3
READ	3013	Child and Adolescent Literature	3
READ	4203	Developmental Reading	3

Professional Education **24 hours**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	4106	Planning and Assessment	6
EDUC	4173	Student Teaching, Elementary, all-level	3
EDUC	4473	Student Teaching, Secondary, all-level	3
SPED	3313	Teaching Strategies for Cognitive Disorders	3
SPED	3613	Exceptional Individuals	3

Reading **12 hours**

READ	4213	Methods of Teaching Reading and the Language Arts	3
READ	4223	Diagnosis and Correction of Reading Difficulties	3
ECED	4123	Early Childhood Development: Language and Literacy	3
SPED	4313	Reading for Disabled Readers	3

Other Requirements **18-19 hours**

COUN	2023	Human Development	3
COUN	3143	Human Diversity	3
ECED	3103	Introduction to Young Children	3
ECON	1333 or 2333	General Economics or Macroeconomics	3
EDUC	1023, CMPS 1023	or demonstrate computer proficiency through department exam.	3
KNES	Activity		2
KNES	1011	Fundamentals of Physical Activity and Health or 1 activity	1-2

Total semester hours **138-139**

ENDORSEMENTS

English as a Second Language and Gifted and Talented

These endorsements are available at the graduate level. With permission, students within one semester of graduation may begin coursework on these graduate endorsements. See graduate catalog.

SECONDARY TEACHER CERTIFICATION

Grades 8 -12

Secondary teacher certification is based on bachelor's degrees offered in academic areas of the University. In addition to the requirements for the degree, students seeking certification take 15 hours of Professional Education, a course in reading and student teaching. The requirements for secondary teacher certification may be slightly dif-

ferent from those of the degree without teacher certification but include academic foundations, a major field, a minor field, and special program requirements for the degree and major. Careful planning and advisement with both the major college and the West College of Education are important.

Professional Education for Secondary Certification. The professional secondary education block includes student teaching and field experience in schools and provides beginning skills for teaching. Initial certification is the first step in a teacher's career path for professional development.

Teaching Fields. The West College of Education offers the following teaching fields for grades 8-12 certification: English/Language Arts and Reading, History, Mathematics, Science (Composite, Life, and Physical), and Social Studies. Second teaching fields are offered in the following areas: Computer Science, French, Journalism, Speech, and Theatre Arts.

BACHELOR OF ARTS WITH SECONDARY CERTIFICATION (GRADES 8-12)

Academic Foundations and Core Curriculum plus additional requirements		63-67
ENGL 1113, 1123		6
6 hours sophomore literature* or humanities		6
SPCH 1133		3
MATH 1233		3
Natural Sciences – two laboratory courses		6-8
HIST 1133, 1233		6
POLS 1333, 1433		6
ECON 1333 or 2333**		3
PSYC 1103 or SOCL 1133		3
KNES – 1 activity and KNES 1011		3
Foreign Language – 2 years of one foreign language		12-14
Fine Arts***		3
COUN 3143		3
* Sophomore literature required for English Language Arts and Reading.		
** Econ 2333 required for Social Studies Program.		
*** Theatre Arts majors will meet requirement with theatre courses.		
Additional General Requirements		3
EDUC 1023, CMPS 1023 or demonstrate computer proficiency through department exam.		3
Professional Education		24
EDUC 2013 School and Society		3
EDUC 3153 Educational Psychology		3
EDUC 4106 Planning and Assessment		6
READ 4273 Content Reading		3
EDUC 3163 Classroom Management		3
EDUC 4466 Student Teaching in the Secondary School		6

English Language Arts and Reading

Major: English 36

ENGL 1113*, 1123*	6
6 hours sophomore literature*	6
ENGL 3503, 3513 and 3533	9
3 additional hours from 3000 level	3
3 hours from ENGL 4773, 4783, 4953, 4863, 4873, or 4883	3
6 additional hours from 4000 level	6
3 hours from any level (exclude 2113)	3

*12 hours duplicated in Academic Foundations.

Minor: Communication 24

SPCH 2133 and 3013	6
MCOM 1113	3
JOUR 1233, 1243, and 3633 or 3653	9
READ 4223 and 4273*	6

*3 hours duplicated in Professional Education.

Total Semester Hours 135-139

History

Major: History 33

HIST 1133*, 1233* Survey of American History	6
HIST 1333, 1433 Survey of Western Civilization	6
HIST 3003 Survey of Texas History	3
HIST 3133 World Religions and Cultures	3
HIST 4433 Twentieth Century Europe	3
3 hours advanced U.S. History	3
3 hours advanced European History	3
3 hours advanced Far Eastern or Middle Eastern History	3
3 hours advanced Latin American History	3

*6 hours duplicated in Academic Foundations.

Minor: (any minor) 18 hours

Total Semester Hours 135-139

Social Studies

Major: History 33

HIST 1133*, 1233* Survey of American History	6
HIST 1333, 1433 Survey of Western Civilization	6
HIST 3003 Survey of Texas History	3
HIST 3133 World Religions and Cultures	3
HIST 4433 Twentieth Century Europe	3

3 hours advanced U.S. History	3
3 hours advanced European History	3
3 hours advanced Far Eastern or Middle Eastern History	3
3 hours advanced Latin American History	3

Interdisciplinary Minor 27

POLS 1333*, 1433* American Government	6
POLS 2523 Foundations of Government and Politics	3
POLS 3313 Introduction to Political Theory	3
ECON 2333* Macroeconomic Principles	3
ECON 2433 Microeconomic Principles	3
GEOG 3003, 3013 Geography of the World/Geography of North America	6
SOST 3003 Concepts of Social Studies	3

*15 hours duplicated in Academic Foundations.

Total Semester Hours 135-139

TEACHING FIELDS UNDER REVISION BY STATE BOARD OF EDUCATION

Standards for the Bachelor of Arts programs listed below are under development by the state. Students pursuing these programs should follow the academic foundations and professional education courses listed above. Check with the appropriate department for updated program requirements.

Spanish (38 hours): 1134, 1234, 2133, 2233; 3013 or 3023; 3003, 3333; 3 hours from 3133, 3233, 3533, 3633; 4133 or 4233, 4433, and 6 additional advanced hours.

Theatre Arts (39 hours): 1413, 1513, 1613, 2121, 2533, 3121 (5 semesters of enrollment); 3433, 3543, 4433, 4443, 4483; 6 hours from 3423, 3463, 3473, 4463, 4473.

BACHELOR OF SCIENCE WITH SECONDARY CERTIFICATION (GRADES 8-12)

Academic Foundations and Core Curriculum plus additional requirements 51-56

ENGL 1113, 1123	6
6 hours humanities (two semesters of one foreign language required for science majors)	6-8
SPCH 1133	3
MATH 1233*	3
Natural Sciences – two semesters of one lab science **CHEM 1141, 1143, 1241, 1243 ***PHYS 1144 or 1624 and 1244 or 2644	6-8
HIST 1133, 1233	6
POLS 1333, 1433	6
ECON 1333 or 2333	3
PSYC 1103 or SOCL 1133	3

KNES – 2 activities or 1 activity and KNES 1011	3-4
Fine Arts	3
COUN 3143	3

* 3 hours duplicated in math major.

** Required for composite science and physical science majors.

*** Required for life science major.

Professional Education 24

EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3163 Classroom Management	3
EDUC 4106 Planning and Assessment	6
READ 4273 Content Reading	3
EDUC 4466 Student Teaching in the Secondary School	6

Additional General Requirements 3

EDUC 1023, CMPS 1023 or demonstrate computer proficiency through department exam. (Math majors meet requirement in interdisciplinary minor.) 3

Mathematics

Major: Mathematics 39

MATH 1233* College Algebra	3
MATH 1433 Plane Trigonometry	3
MATH 1634 Calculus I	4
MATH 1734 Calculus II	4
MATH 2534 Calculus III	4
MATH 3133 Foundations of Geometry	3
MATH 3833 Linear Algebra	3
9 advanced hours elective MATH	9
6 hours math sequence selected from:	6
Analysis (MATH 4733 and 4883)	
Statistics (MATH 4133 and 4143)	
Algebra (MATH 3293 and 4293)	

*3 hours duplicated in Academic Foundations.

Interdisciplinary Minor 20

CMPS 1043 Computer Science I	3
CMPS 1053 Computer Science II	3
STAT 3573 Probability and Statistics	3
2 semesters lab science (different than core requirement)	8
3 advanced hours taken from CMPS, BIOL, PHYS, CHEM, GEOL, or STAT	3

Total semester hours 131-134

Composite Science (Grades 8-12)

Major: Biology	24
BIOL 1144 General Zoology	4
BIOL 1544 General Botany	4
BIOL 3054 Principles of Biology I	4
BIOL 3064 Principles of Biology II	4
BIOL 3333, 3331 Genetics	4
4 hours from BIOL 3024, 3434, 3534	4
Interdisciplinary Minor	22
GEOL 1134, 1233 Physical and Historical Geology	7
GEOL 3023 Environmental Science	3
GNSC 3204 Concepts of Science	4
PHYS 1144, 1244 General Physics	8
Program Requirement	7
MATH 1433 Plane Trigonometry	3
CHEM 3003, 3001 Organic Chemistry	4
Total semester hours	133-136

Life Science (Grades 8-12)

Major: Biology	31-32
BIOL 1144 General Zoology	4
BIOL 1544 General Botany	4
BIOL 3054 Principles of Biology I	4
BIOL 3064 Principles of Biology II	4
BIOL 3144 or 3044 Physiology or Bacteriology	4
BIOL 3333, 3331 Genetics	4
BIOL 3534 Systematic Botany	4
BIOL 3434 or 3643 Entomology or Invertebrate Zoology	3-4
Interdisciplinary Minor	22
CHEM 1143, 1141 General Chemistry	4
CHEM 1243, 1241 General Chemistry	4
CHEM 3003, 3001 Organic Chemistry	4
STAT 3573 Probability and Statistics	3
GNSC 3204 Concepts of Science	4
MATH 1433 Plane Trigonometry	3
Total Semester Hours	133-137

Physical Science (Grades 8-12)

Major: Physical Science 37

CHEM	1143*, 1141*	General Chemistry	4
CHEM	1243*, 1241*	General Chemistry	4
PHYS	1533	Descriptive Astronomy	3
GEOL	1134, 1233	Physical and Historical Geology	7
GEOL	2134	Mineralogy	4
15 advanced hours selected from:			15
	CHEM 3302, 3303, 3402, 3403		
	PHYS 3343, 3313, 4343		

*8 hours duplicated in Academic Foundations.

Interdisciplinary Minor 18

GEOG	3003 or 3013	Geography of the World/Geography of North America	3
GNSC	3204	Concepts of Science	4
PHYS	1144 or 1624	General Physics or Mechanics, Wave, Motion, and Heat	4
PHYS	1244 or 2644	General Physics or Electricity and Magnetism and Optics	4
MATH	1433	Plane Trigonometry	3

Total semester hours 127-130

Second Teaching Fields (Grades 8-12)

The program requirements listed are those in effect at the time this catalog was published. Changes may be mandated by THECB, SBEC, or MSU-TEC. Students should contact the West College of Education for information regarding program changes.

Computer Science – 27 hours

CMPS 1043, 1053, 2013, 2083, 2133, and twelve advanced hours.

French – 32 hours

FREN 1134, 1234, 2133, 2233, 3133, 3233, 3333, 4013, 4533, plus 3 additional advanced hours (may include a repeat of 4013 or 4533 if topics change).

Journalism – 24 hours

MCOM 1113, 4153, JOUR 1233, 1243, 3133, 3233, 3633 or 3653, 4163.

Speech – 24 hours

SPCH 1133, 1233, 2133, 3013, 3023, 4133, JOUR 1233, 3 additional hours selected from: MCOM 4153, SPCH 4143, THEA 4213, 4423.

Theatre Arts – 24 hours

THEA 1413, 1513, 1613, 2533, 3433, 4483, 3 hours from THEA 3463, 3473, 4473, 3 additional advanced hours.

BUSINESS

Bachelor of Business Administration with Teacher Certification

Option III Basic Business

The program requirements listed are those in effect at the time this catalog was published. Changes may be mandated by THECB, SBEC, or MSU-TEC. Students should contact the West College of Education for information regarding program changes.

Academic Foundations and Core Curriculum plus additional requirements		45-48
ENGL	1113, 1123	6
SPCH	1133	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences - two laboratory courses		6-8
BUAD	2153	3
MATH	1233 or 1203	3
Fine Arts - 3 hours from art, music, or theatre		3
SOCL	1133 or PSYC 1103	3
ECON	2333	3
Kinesiology (2 activities or 1 activity and KNES 1011)		3-4
Option III - Major in General Business		63
ACCT	2143, 2243, 3023	9
BUAD	3113, 3213, 3223, 3233, 3243, 3423	18
BCIS	3403	3
ECON	2433, 3323 or 3333	6
FINC	3413 or 3753, 3733	6
MGMT	3013, 3453, 4853	9
MKTG	3723 and 3823 or 4223	6
FINC	1733 or MGMT 4213	3
Advanced elective in business administration		3
Additional General Requirement: COUN 3143		3
Professional Education for Secondary Certification		24
EDUC	2013 School and Society	3
EDUC	3153 Educational Psychology	3
EDUC	3163 Classroom Management	3
EDUC	4106 Planning and Assessment	6
EDUC	4466 Student Teaching in the Secondary School	6
READ	4273 Content Reading	3
Total Semester Hours		135-138

All-Level Teaching Fields

The program requirements listed are those in effect at the time this catalog was published. Changes may be mandated by THECB, SBEC, or MSU-TEC. Students

should contact the West College of Education for information regarding program changes.

All-Level Certification is available in three disciplines for students who wish to teach grades 1 - 12.

BFA:	Art All-Level
BA:	Kinesiology All-Level
BS:	Kinesiology All-Level
BM:	Music All-Level

ART

Bachelor of Fine Arts with Teacher Certification

Art All-Level

Academic Foundations and Core Curriculum plus additional requirements	45-48
ENGL 1113, 1123	6
COUN 3143	3
SPCH 1133	3
HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1233	3
EDUC 1023 or CMPS 1023 or pass department exam	3
Fine Arts - met by course required in major	0
Humanities - met by courses required in major	0
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333	3
Kinesiology (2 activities or 1 activity and KNES 1011)	3-4
Major in Art	66
Design and Basic Art - 1113, 1123, 1313, 1323, 1413, 2013, 2153, 2313, 2523, 2613, 2813, 4303, 4403	39
Art History - 9 hours from 3413, 3423, 4433, 4443, 4453	9
Studio -18 hours of which 12 must be advanced and equally divided between one 2-dimensional and one 3-dimensional studio area	18
Painting 3333, 4313, 4323	
Printmaking 3143, 3153, 4143, 4153	
Ceramics 3613, 4523, 4613	
Metals and Jewelry 3813, 3823, 4813, 4823	
Photography 3013, 3023, 4013, 4023	
Commercial Art 3713, 3723, 4713, 4723	
Sculpture 3623, 3633, 4623	
Professional Education for Secondary Certification	24
EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3163 Classroom Management	3

EDUC	4106	Planning and Assessment	6
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
READ	4273	Content Reading	3

Total Semester Hours**135-138**

KINESIOLOGY

Bachelor of Arts with Secondary Certification (Grades EC-12, All-Level)

**Academic Foundations and Core Curriculum plus
additional requirements** **56-58**

ENGL	1113, 1123	6
SPCH	1133	3
MATH	1233	3
BIOL	1134, 1234	8
HIST	1133, 1233	6
POLS	1333, 1433	6
ECON	1333 or 2333	3
PSYC	1103 or SOCL 1133	3
Foreign Language	- 2 years of one foreign language	12-14
Fine Arts		3
COUN	3143	3

Additional General Requirements **3**

EDUC 1023, CMPS 1023 or demonstrate computer proficiency through
department exam. 3

Professional Education for All-Level Certification **24**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3163	Classroom Management	3
EDUC	4106	Planning and Assessment	6
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
READ	4273	Content Reading	3

Major in Kinesiology **36**

2 activity courses	4
2 “majors only” activity courses	4
KNES 1011 Fundamentals of Physical Activity and Health (internet course)	1
KNES 1053 Foundations of Kinesiology	3
KNES 2213 First Aid and Safety	3
KNES 3603 Tests and Measurement	3
KNES 3653 Physiology of Exercise	3
KNES 4103 Mechanical Kinesiology or 4643 Anatomical Kinesiology	3
KNES 4663 Fundamentals of Elementary Physical Education	3
KNES 4693 Fundamentals of Secondary Physical Education	3

KNES 4703 Exercise Testing, Prescription, and Programming	3
One course from the following:	3
KNES 3363 Motor Development	
KNES 4033 Sport Psychology	
KNES 4513 Physical Activity for Exceptional Individuals	
KNES 4853 Curriculum Development and Administration of Physical Education Programs	
Minor - Minimum of 18 hours in any discipline (see minor for specific requirements).	18
Total Semester Hours	137-139

KINESIOLOGY

Bachelor of Science with Secondary Certification (Grades EC-12, All-Level)

Academic Foundations and Core Curriculum plus additional requirements	57-58
ENGL 1113, 1123	6
6 hours humanities	6
SPCH 1133	3
MATH 1233	3
Sciences - two laboratory courses of same discipline - not biology	7-8
BIOL 1134, 1234	8
HIST 1133, 1233	6
POLS 1333, 1433	6
ECON 1333 or 2333	3
PSYC 1103 or SOCL 1133	3
Fine Arts	3
COUN 3143	3
Additional General Requirements	3
EDUC 1023, CMPS 1023 or demonstrate computer proficiency through department exam.	3
Professional Education for All-Level Certification	24
EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3163 Classroom Management	3
EDUC 4106 Planning and Assessment	6
EDUC 4173 Student Teaching, Elementary, All-Level	3
EDUC 4473 Student Teaching, Secondary, All-Level	3
READ 4273 Content Reading	3
Major in Kinesiology	36
2 activity courses	4
2 "majors only" activity courses	4

KNES	1011	Fundamentals of Physical Activity and Health (internet course)	1
KNES	1053	Foundations of Kinesiology	3
KNES	2213	First Aid and Safety	3
KNES	3603	Tests and Measurement	3
KNES	3653	Physiology of Exercise	3
KNES	4103	Mechanical Kinesiology or 4643 Anatomical Kinesiology	3
KNES	4663	Fundamentals of Elementary Physical Education	3
KNES	4693	Fundamentals of Secondary Physical Education	3
KNES	4703	Exercise Testing, Prescription, and Programming	3
One course from the following:			3
KNES	3363	Motor Development	
KNES	4033	Sport Psychology	
KNES	4513	Physical Activity for Exceptional Individuals	
KNES	4853	Curriculum Development and Administration of Physical Education Programs	

Minor - Minimum of 18 hours in any discipline (see minor for specific requirements). **18**

Total Semester Hours **138-139**

MUSIC

Bachelor of Music with Teacher Certification

Option I - Music All-Level, Vocal Emphasis

Academic Foundations and Core Curriculum plus additional requirements **45-48**

ENGL	1113, 1123	6
COUN	3143	3
SPCH	1233	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences - two laboratory courses		6-8
MATH	1233	3
EDUC	1023 or CMPS 1023 or pass department exam	3
Fine Arts - met by course required in major		0
Humanities - met by courses required in major		0
SOCL	1133 or PSYC 1103	3
ECON	1333 or 2333	3
Kinesiology (2 activities or 1 activity and KNES 1011)		3-4

Major in Music **58**

Theory 1601/1603, 1611/1613, 2603, 2613, 3632, 3662		18
Instrumental classes 3141, 3161, 3181, 3291		4
History 3723, 3733, 3743		9
Conducting 4843, 4862		5
Diction 1211, 1221		2
Choral Literature 3862, 3872		4
Applied Music		6
Senior Recital		1

Ensemble	7
Advanced electives	2
Piano Proficiency and Recital Attendance	

Professional Education for All-Level Certification 24

EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3163 Classroom Management	3
MUSC 4823 Foundations of Music I	3
MUSC 4873 Foundations of Music II	3
EDUC 4173 Student Teaching, Elementary, All-Level	3
EDUC 4473 Student Teaching, Secondary, All-Level	3
READ 4273 Content Reading	3

Total Semester Hours 127-130

MUSIC

Bachelor of Music with Teacher Certification
Option I - Music All-Level, Instrumental Emphasis

Academic Foundations and Core Curriculum plus additional requirements 45-48

ENGL 1113, 1123	6
COUN 3143	3
SPCH 1233	3
HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1233	3
EDUC 1023 or CMPS 1023 or pass department exam	3
Fine Arts - met by course required in major	0
Humanities - met by courses required in major	0
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333	3
Kinesiology (2 activities or 1 activity and KNES 1011)	3-4

Major in Music 58

Theory 1601/1603, 1611/1613, 2603, 2613, 3632, 3662	18
Instrumental classes 3141, 3161, 3181, 3281, 3291	5
History 3723, 3733, 3743	9
Conducting 4843, 4853	6
Applied Music	6
Senior Recital	1
Ensemble	7
Advanced electives	6
Piano Proficiency and Recital Attendance	

Professional Education for All-Level Certification 24

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3163	Classroom Management	3
MUSC	4823	Foundations of Music I	3
MUSC	4873	Foundations of Music II	3
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
READ	4273	Content Reading	3

Total Semester Hours 127-130

COURSES IN COUNSELING (COUN)

2023. Human Development 3(3-0)

A study of the principles of normal child growth and development from conception through adolescence. Focus on physical, cognitive, social, moral, and emotional domains of development.

3143. Human Diversity 3(2-2)

A study of individual, family, and cultural community diversity. Field experience required.

COURSES IN EARLY CHILDHOOD EDUCATION (ECED)

3103. Introduction to Young Children 3(3-0)

An introduction to the profession of early childhood education, focusing on developmentally appropriate practices, types of programs, historical perspectives, and current issues.

3173. ESL Methods and Materials 3(3-0)

Curriculum, methods and materials for teaching English as a second language.

4123. Early Childhood Development: Language and Literacy 3(3-0)

Emphasis on how young children's language and literacy develop and the application of developmentally appropriate practice in planning for instruction.

4133. Early Childhood Curriculum 3(2-2)

Prerequisite: EDUC 4103.

Implementing the Texas early childhood curriculum with emphasis on developmentally appropriate practice. Field experience required.

COURSES IN EDUCATION (EDUC)

1003. Skills for Success 3(3-0)

This course examines learning and thinking processes with an emphasis on experiential application of effective reading, writing, and study strategies. Areas of study include information processing theory, cognitive and behavioral influences in motivation and concentration, assessment of learning and thinking styles and development of an individualized protocol for efficient and effective learning and review strategies. Students who re-enter the University following academic suspension may be required to enroll in this course. Students who are on scholastic probation are highly recommended to enroll in this course.

1023. Computer Applications for Education 3(2-2)

Experience organizing and manipulating data with computers, including hands-on experience with word processing, databases, spreadsheets, graphics, desktop publishing, and graphing. Focus on computer applications for classroom including hardware and software selection, computer environments, telecommunications, and ethics.

2013. School and Society 3(2-2)

An introduction to the teaching profession and the role of the school in a democratic society with an emphasis on educational equity for all students. Field experiences in diverse communities required.

3153. Educational Psychology 3(2-2)

Concepts of learning theory and applications, motivation, and measurement and evaluation. Field experience arranged through the instructor.

3163. Classroom Management 3(2-2)

The management of the classroom to optimize student learning. The development of management skills such as active listening, reality therapy, and conflict resolution.

4106. Planning and Assessment 6(4-4)

Prerequisite: EDUC 3153.

Assessment and models of instructional planning, emphasis on learning with technology and the models of instruction. Field experience required.

4163. Student Teaching in Elementary School 3 semester hours

Prerequisites: Senior standing and approval of the dean.

Used when a student pursues elementary certification with an endorsement. Teaching under supervision in a public elementary school; meets full day for six weeks, including orientation; orientation and supervision by college instructor.

4166. Student Teaching in Elementary School 6 semester hours

Prerequisites: Senior standing and approval of the dean.

Teaching under supervision in a public elementary school; meets full day for twelve weeks, including orientation; orientation and supervision by college instructor.

4173. Student Teaching, Elementary All-Level 3 semester hours

Prerequisites: Senior standing and approval of the dean.

Teaching art, music, or physical education under supervision in a public elementary school; meets full day for six weeks, including orientation; orientation and supervision by college instructor.

4176. Internship 6 semester hours

Prerequisites: Senior standing, a minimum of five years experience as a teacher's aide, and approval of the dean.

Teaching under supervision in a public school; meets full day for twelve weeks, including orientation; orientation and supervision by college instructor.

4183. Student Teaching in Early Childhood and Kindergarten 3 semester hours

Prerequisites: Completion of 6 hours of early childhood course work, senior standing, and approval of the dean.

Student teaching for early childhood and kindergarten endorsement; meets full day for six weeks.

4243. Internship I 3(0-6)

Prerequisites: A bachelor's degree, a Texas Probationary Teaching Certificate, and approval of the dean.

Teacher of record with a mentor in a public school; meets full day for a semester; includes supervision by a college instructor.

4253. Internship II 3(0-6)

Prerequisite: EDUC 4243.

Teacher of record with a mentor in a public school; meets full day for a semester; includes supervision by a college instructor.

4463. Student Teaching, Secondary 3 semester hours

Prerequisites: Senior standing and approval of the dean.

Teaching under supervision in a secondary school; meets full day for six weeks including orientation; used for certification in additional teaching field.

4466. Student Teaching in the Secondary School 6 semester hours

Prerequisites: Senior standing and approval of the dean.

Teaching under supervision in a public secondary school; meets full day for twelve weeks, including orientation; orientation and supervision by college instructor.

4473. Student Teaching, Secondary All-Level 3 semester hours

Prerequisites: Senior standing and approval of the dean.

Used only when all-level students desire secondary certification in a minor; teaching under supervision in a public secondary school; meets full day for six weeks, including orientation; orientation and supervision by college instructor.

4573. Measurement and Evaluation 3(3-0)

Prerequisite: EDUC 3153.

Elementary statistical techniques and their application to test scores; typical methods of measuring intelligence, aptitudes, reading and achievement, construction, and utilization of teacher made tests.

4903. Problem Course 3 semester hours

Prerequisites: Senior standing and approval of dean.

Designed for advanced students to work in appropriate areas not otherwise available. May be repeated for credit.

COURSES IN READING EDUCATION (READ)

3013. Child and Adolescent Literature (formerly ENGL 3013) 3(3-0)

Prerequisites: Six hours of sophomore English.

Exploration of children's and adolescent literature from a variety of literary genres representing various cultural groups.

4203. Developmental Reading 3(2-2)

Prerequisites: EDUC 3153 and 4106. Concurrent enrollment in READ 4213.

Literacy theory and developmental stages of literacy. Planning and organizing for literacy-centered instruction.

4213. Methods of Teaching Reading and the Language Arts 3(2-2)

Prerequisites: EDUC 3153 and 4106. Concurrent enrollment in READ 4203.

The integration of reading, listening, speaking, writing, viewing, visual representation, and thinking; planning and organizing for the integrated teaching of reading and language arts. Includes teaching reading and the language arts within the context of content areas.

4223. Diagnosis and Correction of Reading Difficulties 3(2-2)

Prerequisite: EDUC 4203 or 4273.

Teaching strategies for classroom teachers to use for the continuous diagnostic and prescriptive teaching of reading.

4253. Secondary Reading and Language Arts 3(3-0)

Prerequisite: EDUC 3153.

Methods for designing and implementing instruction that integrates all components of the English language arts (writing, reading, listening/speaking, viewing/representing).

4273. Content Reading 3(3-0)

Prerequisite: EDUC 3153 or concurrent enrollment.

Strategies and materials for assessing students' content reading needs; instructional techniques and modifications for engaging students in content subjects.

COURSES IN SPECIAL EDUCATION (SPED)**3313. Teaching Strategies for Cognitive Disorders** 3(2-2)

Strategies for teaching children and adolescents with mild disabilities. Emphasis on accessing the general education curriculum through universal inclusion strategies and through individualized interventions and modifications including use of technology. Focus on content area learning incorporating formative assessment and planning procedures.

3513. Behavior Management 3(3-0)

Managing group and individual behavior in classroom, school, home, and community environments in a range of special education contexts; use of technology as an organizational tool. Includes Applied Behavior Analysis.

3613. Exceptional Individuals 3(2-2)

A study of the etiology of and concepts relating to exceptional individuals. Field experience included.

4113. Foundations of Special Education 3(3-0)

Philosophical, historical, and legal foundations of special education. Introduction to roles and responsibilities of the special educator, and legal and ethical requirements of the profession. Theoretical perspectives related to the nature and needs of persons with disabilities; involvement in disability advocacy.

4123. Assessment 3(3-0)

Introduction to measurement, assessment, and instruction, and statistics related to processes used with exceptional learners. Overview of norm-referenced assessment, interpretation, and the development of Individual Education Plans.

4313. Reading for Disabled Readers 3(3-0)

Structured, sequential, multisensory reading instruction for students with reading disabilities; focus on students with dyslexia and other reading-related learning disabilities.

4513. Teaching Strategies for Affective Disorders 3(3-0)

Strategies for changing behavior and teaching social skills curricula using data-based decision-making. Includes Functional Behavior Analysis, Behavior Intervention Plans, Positive Behavioral Supports, Choice Theory, the use of technology in improving students' behavior, and Nonviolent Crisis Intervention. Includes nature and needs of

students with emotional/behavioral disorders, and legal issues related to the education of such students.

4523. Vocational/Transitional Education 3(2-2)

Transitional planning and research-supported strategies for teaching functional skills to adolescents who have behavioral, learning, mental and/or physical disabilities. Use of assistive technology across life domains and the use of technology in life skills education.

4533. Early Childhood Special Education 3(3-0)

Strategies for promoting the development of infants and young children with disabilities, with a focus on language and motor development. Development of Individualized Family Service Plans.

4903. Problem Course 3 semester hours

Prerequisite: Senior standing or approval of dean.

Designed for advanced students to work in appropriate areas not otherwise available. May be repeated for credit.

4923. Inclusion 3(2-2)

Modifications for curriculum and instruction, proactive behavioral intervention strategies, and laws governing the inclusion of students with disabilities in general education classrooms.

4973. Practicum in Special Education 3(1-4)

Prerequisites: Twelve credits of special education, consent of chair, and admission to the teacher education program.

Provides tutoring experiences for the student in one or more special education settings. May be repeated for credit with approval of chair.



WEST FOUNDATION PROFESSORSHIP OF EDUCATION

The West Foundation of Wichita Falls supports the West Professor of Education, Mary Ann Coe, in the Gordon T. and Ellen West College of Education. Dr. Coe's research emphasis is on the integration of technology into the learning process.

WEST CENTER FOR TEACHING EXCELLENCE

The West Center for Teaching Excellence sponsors a variety of programs to enhance the quality of teaching. Since 1984, over 3,000 teachers have participated in West Foundation sponsored professional development activities. Thirty West Foundation undergraduate scholarships and thirty West Foundation graduate scholarships are provided each year. The West Foundation has sponsored short workshops and conferences as well as graduate courses. The first computer lab in the Gordon T. and Ellen West College of Education was established through West Foundation funding and the West Foundation continues to support that lab.



LAMAR D. FAIN COLLEGE OF FINE ARTS

Ronald D. Fischli, Dean (Fain Fine Arts Center B128)

MISSION STATEMENT FOR THE LAMAR D. FAIN COLLEGE OF FINE ARTS

The primary purpose of the Lamar D. Fain College of Fine Arts is to equip students with the knowledge and skills necessary to pursue a career in art, mass communication, music, or theatre. To accomplish this purpose, stress is placed on applying classroom learning to process and performance. The college prides itself on ensuring that its students *do* what they study: in its art studios, in its newspaper and television laboratories, and in its concerts, recitals, and dramatic productions.

Besides providing knowledge and training that will qualify students for jobs, graduate study, or professional school, the college endeavors to help students develop aesthetic sensibility, cultural awareness, and social responsibility. Not only are students taught to create within their disciplines, but they are challenged to evaluate the quality of what they have created, to assess the effect of their creations on the wider culture, and to aspire to professionalism and excellence. The goal is to empower students to use their talents to enrich and advance society.

Thus, the Fain College of Fine Arts adopts a two-fold mission designed to produce graduates who are both competent professionals and sensitive, reliable, constructive citizens.

ART

Nancy Steele-Hamme, Chair (Fain Fine Arts Center C104)

Professors: Ash, Goldberg, Yarosz

Associate Professors: Davis, Steele-Hamme

Instructor: Provence

Professor Emeritus: Crossnoe

MISSION STATEMENT FOR THE ART PROGRAM

The art program is dedicated to ensuring that the students acquire the necessary foundation knowledge and skills, develop marketable competencies in an area of artistic specialization, and come to see themselves as professionals committed to excellence.

Three degree programs are offered for art majors:

Bachelor of Fine Arts degree

Bachelor of Fine Arts degree (with Teacher Certification), see page 157

Bachelor of Arts degree

Non-majors may enroll in studio courses with the consent of the instructor.

BACHELOR OF FINE ARTS degree requirements

The requirements for the degree of Bachelor of Fine Arts with a major in Art are as follows:

Academic Foundations and Core Curriculum 48 hours**Art Requirements 81 hours**

15 hours of basic art courses including 1113, 1123, 1313, 1323, and 1413
 12 hours of Art History from 3413, 3423, 4433, 4443, 4453 and 4513, 4913
 Painting 2313
 Photography 2013
 Printmaking 2153
 Ceramics 2613
 Metals & Jewelry 2813
 Sculpture 2523
 Drawing III 3213 or Drawing IV 4213
 12 additional hours in a major studio emphasis
 9 additional hours in a minor studio emphasis
 9 additional hours advanced art
 A senior exhibition of work (Art 4923) is required prior to graduation.

Total 129 hours**BACHELOR OF FINE ARTS WITH TEACHER CERTIFICATION** degree requirements

Academic Foundations, Art requirements, and Professional Education requirements are found on page 157.

BACHELOR OF ARTS degree requirements

The purpose of the B.A. degree is to explore a variety of disciplines versus specialization.

The requirements for the degree of Bachelor of Arts with a major in art are as follows:

Academic Foundations and Core Curriculum (see page 101)**Art Requirements**

All students selecting a major or minor in the B.A. degree program must have their schedule approved in advance of registration by the Art Chair.

Major (39 semester hours)

ART 1113, 1123, 1313, 12 hours art history, and 18 additional hours, with a total of 30 advanced hours. The 18 additional hours should be composed of a variety of studio disciplines.

A minor may be chosen in any field of interest. The minor must be approved by the student's adviser.

REQUIREMENTS FOR A MINOR IN ART (18 semester hours)

ART 1113 or 1123, ART 1313, three hours of advanced art history, and nine additional hours, with a total of 12 advanced hours.

NOTE: The college reserves the privilege of retaining such student work as desired for reference or exhibition purposes. If the student, upon due notification, does not claim his work after a three-month period, the University will have the right to dispose of it.

COURSES IN ART (ART)**1113. Design I** 3(2-4)

Fundamental elements and principles of 2-dimensional design. Construction, presentation, and rendering skills developed.

1123. Design II 3(2-4)

Fundamental principles of 3-dimensional design. Continuation of 1113 with emphasis on small construction format developing the use of various tools, materials, and presentation skills.

1213. Art Appreciation, Applied 3(2-2)

Hands-on opportunities in basic 2- and 3-dimensional media, such as drawing, painting, printmaking, ceramics, and sculpture, together with the usual foundation lecture experience in art appreciation. For non-art majors.

1313. Drawing I 3(2-4)

Drawing a variety of subjects in both wet and dry media with emphasis on black and white visual organization and expression.

1323. Drawing II 3(2-4)

Prerequisite: ART 1313.

Continuation of 1313 with emphasis on color drawing media and development through both individual and group projects.

1413. Art Appreciation 3(3-0)

Lectures, slides, and discussion of the visual elements and their application to the arts. Prerequisite for all art history courses.

2013. Photography I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to camera, film, and basic darkroom techniques in black and white photography. Emphasis on photography as a fine art.

2153. Printmaking I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to printmaking. Beginning instruction in one of the following printmaking media: intaglio, dealing with etching, aquatint, softground, and relief printing methods applicable to the intaglio process; lithography, dealing with stone and metalplate printing; and screen process printing (serigraphy) dealing with photo-methods; unique prints; monoprint and monotype processes.

2313. Painting I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of the instructor.

Introduction to painting. Instruction in one of the following areas: Oil medium, acrylic medium, or watercolor medium. Oil and acrylic painting including the fabrication of stretchers and surface preparations.

2323. Painting II 3(2-4)

Prerequisite: ART 2313.

Introduction to a second painting medium with emphasis on skill development and individual exploration of ideas. (See Painting 2313 for media options.)

2513. Three-Dimensional Design 3(2-4)

Basic design principles applied to three-dimensional space. Emphasis on the development of the problem-solving process in a wide variety of media.

2523. Sculpture I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to sculpture. Emphasis on exploration of a medium through the proper use of appropriate tools and working processes. Beginning instruction in one of the following sculpture media: steel fabrication, involves oxyacetylene and arc welding; casting, involves mold making in sand and plaster, pattern making in wax and styro-foam, substitution materials in concrete, plaster, and bronze; woodworking, involves use of power and hand equipment.

2613. Ceramics I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Basic studio practices in handbuilding or wheelthrowing skills and design with an introduction to techniques in decoration and glaze application.

2623. Ceramics II 3(2-4)

Prerequisite: ART 2613 or consent of instructor.

Intermediate studio practices in handbuilding or wheelthrowing techniques and design with instruction in glazing and firing.

2713. Commercial Art I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to commercial art. Beginning instruction in one of three main areas: graphic design, typography, and advertising design. Design, layout, and computer skills will be used in publication and symbol design.

2723. Commercial Art II 3(2-4)

Prerequisite: ART 2713 or consent of instructor.

Continuation of Commercial Art I. Problems in concept development and visual expression in editorial and corporate design.

2813. Metals & Jewelry I 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to metalsmithing. The development of basic construction and manipulation processes of various non-ferrous metals. Rivets, soldering, piercing, and die forming are among the techniques covered. Also various surface treatments will be explored including etching, stamping, and roll milling. Emphasis on design and craftsmanship.

2823. Sculpture II 3(2-4)

Prerequisite: ART 2523 or consent of the instructor.

Introduction to a second sculpture medium with emphasis on skill development and individual exploration of ideas. (See Sculpture 2523 for media options.)

3013. Photography II 3(2-4)

Prerequisite: ART 2013 or consent of the instructor.

Photography as an expressive medium, with an emphasis on personal style. Continued development of advanced darkroom techniques. These include the use of a medium format camera and an introduction to archival processing.

3023. Photography III 3(2-4)

Prerequisite: ART 3013 or consent of the instructor.

Color photography as a fine arts medium with emphasis on development of professional skills. This course includes color slide processing, printing, positives from color slides, and color negatives. May be repeated once for credit by mass communication majors.

- 3143. Printmaking II** 3(2-4)
Prerequisite: ART 2153 or consent of instructor.
Introduction to a second print medium: intaglio, lithography, or serigraphy emphasizing color printing. (See Printmaking 2153 for definition of media.)
- 3153. Printmaking III** 3(2-4)
Prerequisite: ART 3143 or consent of instructor.
Advanced study in a previously enrolled medium or introduction to a third process. Emphasizing color printing and technical development. (See Printmaking 2153 for definition of media.)
- 3213. Drawing III** 3(2-4)
Prerequisite: ART 1313 or 1323 or consent of the instructor.
Emphasis on advanced pictorial attitudes and mixed media production through prolonged drawing problems.
- 3333. Painting III** 3(2-4)
Prerequisite: ART 2323 or consent of instructor.
Introduction to a third painting medium with emphasis on continued individual exploration and skill development. (See Painting 2313 for media options.)
- 3413. History of World Art: Survey I** 3(3-0)
Prerequisite: (for art majors) ART 1413; (for non art majors) ART 1213 or 1413, or consent of instructor.
An introduction to art and architecture as social products of a global human history. Both the comparability and diversity of human social organizations and the role of visual culture in them will be discussed. From the Prehistoric through the Gothic era in Europe.
- 3423. History of Art, Renaissance Through Rococo** 3(3-0)
Prerequisite: (for art majors) ART 1413; (for non art majors) ART 1213 or 1413, or consent of instructor.
Survey illustrating the development of European painting, sculpture, and architecture in Western Europe from the Proto-Renaissance to the Rococo (13th century to 18th century).
- 3613. Ceramics III** 3(2-4)
Prerequisite: ART 2623 or consent of the instructor.
Selected studio problems in handbuilding and throwing techniques with an emphasis on the combining of the two techniques. An understanding of ceramic raw materials and basic glaze will be developed.
- 3623. Sculpture III** 3(2-4)
Prerequisite: ART 2823 or consent of instructor.
Advanced study in a previously enrolled medium or introduction to a third medium with emphasis on continued individual exploration and skill development. (See Sculpture 2523 for media options.)
- 3633. Sculpture IV** 3(2-4)
Prerequisite: ART 3623 or consent of instructor.
Advanced study in a previously enrolled medium with emphasis on combining media. Stressing individual development of ideas and a refinement in techniques and skills. (See Sculpture 2523 for media options.)

- 3713. Commercial Art III** 3(2-4)
Prerequisite: ART 2723 or consent of instructor.
Design and production using computerized type. Design as a means of visual and verbal communication will be explored. May be repeated once for credit by mass communication majors.
- 3723. Commercial Art IV** 3(2-4)
Prerequisite: ART 3713 or consent of instructor.
Design and production of books, brochures, and posters utilizing computerized Macintosh equipment.
- 3813. Metals & Jewelry II** 3(2-4)
Prerequisite: ART 2813 or consent of the instructor.
The continued development of metalsmithing skills in various non-ferrous metals with a focus on one of the following metalsmithing techniques: raising; casting; enameling. Particular emphasis placed on design and craftsmanship.
- 3823. Metals & Jewelry III** 3(2-4)
Prerequisite: ART 3813 or consent of the instructor.
Introduction to a second metalsmithing technique with an emphasis on continued individual exploration and skill development. (See Metalsmithing 3813 for media options.)
- 4013. Photography IV** 3(2-4)
Prerequisite: ART 3023 or consent of the instructor.
This course will explore color photography as a fine arts medium. Experimental approach to color will be explored. These approaches will include: Cliche vere, non silver, dye transfer, and electronic imaging.
- 4023. Photography V** 3(2-4)
Prerequisite: ART 4013 or consent of the instructor.
This course will explore advanced techniques of both black and white and color. The course will introduce students to the 4x5 camera and studio lighting. Each student will pursue his or her individual creative path culminating in a final portfolio. May be repeated for credit.
- 4143. Printmaking IV** 3(2-4)
Prerequisite: ART 3153 or consent of instructor.
Selected studio problems with emphasis on combining or mixing media. Stressing individual development and production.
- 4153. Printmaking V** 3(2-4)
Prerequisite: ART 4143 or consent of instructor.
Further emphasis in individual development of image and technique stressing production of prints to be included in the Senior Exhibition. May be repeated for credit.
- 4213. Drawing IV** 3(2-4)
Prerequisites: 15 studio hours or consent of the instructor.
The development of personal attitudes towards drawing. Designed to deal with individual problems and concepts.
- 4303. Foundations of Art I** 3(2-4)
A study of the essential elements of fine arts as outlined by the Texas Education Agency. The course provides experience in the value of art, art judgment, creativity, and awareness of art fundamentals. It also combines experience in working with both two- and three-dimensional media with reading and research in art.

4313. Painting IV 3(2-4)

Prerequisite: ART 3333.

Selection of media previously investigated. Individual exploration of ideas focused; techniques and skills refined.

4323. Painting V 3(2-4)

Prerequisite: ART 4313.

Selection of media previously investigated. Consistency of imagery, idea, and refinement of technical skill expected. Production of paintings to be included in Senior Exhibition. May be repeated for credit.

4403. Foundations of Art II 3(2-4)

A study of the philosophy, organization, and theory related to art programs. Focuses on the development of curriculum and lesson plan organization. Also provides field observation and teaching experience.

4433. History of Art: Art in Early Modern Europe, 1750-1900 3(3-0)

Prerequisite: (for art majors) ART 1413; (for non art majors) ART 1213 or 1413, or consent of instructor.

An investigation of the visual arts and architecture in Europe from the stirrings of revolution in the late eighteenth century to the new age of imperialism that reached its apogee before World War I. Neoclassicism, Romanticism, Historicism, Realism, Impressionism, Post-Impressionism, Symbolism, Art Nouveau.

4443. History of Art: Modern and Contemporary Art 3(3-0)

Prerequisite: (for art majors) ART 1413; (for non art majors) ART 1213 or 1413, or consent of instructor.

Investigation of the visual arts and architecture from Post-impressionism to the present. Special emphasis on cultural definitions of modernity and modernism, the ideologies of the avant-garde, and the ideas and issues surrounding the production, reception, marketing, interpretation, and criticism of painting, sculpture, drawing, photography, installations, performance, video, and other mixed media modes of presentation. International in scope.

4453. Art in the United States 3(3-0)

Prerequisite: (for art majors) ART 1413; (for non art majors) ART 1213 or 1413, or consent of the instructor.

Investigation of the role visual culture has played in the United States as Americans attempted to situate themselves geographically, culturally, economically, and politically within their own society and within the world at large. Traces change within the visual arts within the context of important social, political, and intellectual events from ca. 1600 to 1945.

4513. Exhibition and Presentation Methods 3 semester hours

Prerequisite: Consent of instructor.

A practicum in the fundamentals of exhibition organization. Emphasis on gallery installation and advanced presentation skills beyond the studio experience. May be repeated for credit.

4523. Ceramics IV 3(2-4)

Prerequisite: ART 3613 or consent of the instructor.

Advanced individual problems in clay construction and design with an emphasis on the development of personal direction. Problems in non-utilitarian forms with consideration for the technical problems inherent to the process and materials selected by the student.

4533. Topics in History of Art 3(3-0)

Prerequisite: (for art majors) ART 1413; (for non art majors) ART 1213 or 1413, or consent of instructor.

Survey and investigation of a particular topic, problem, or issue in art history with emphasis on those not covered in other courses (e.g., issues in contemporary art, Mesoamerican art before the conquest; women in art; history of museums and collecting; problems in methodology; history, criticism, theories of photography; etc.). Exact content will be announced before each offering. May be repeated once for credit.

4613. Ceramics V 3(2-4)

Prerequisite: ART 4523 or consent of instructor.

Advanced individual problems in clay construction and design with further emphasis on the development of a personal direction stressing production of works suitable for use in the Senior Exhibition. May be repeated for credit.

4623. Sculpture V 3(2-4)

Prerequisite: ART 3633 or consent of instructor.

Further emphasis in individual development of forms and techniques stressing production of works to be included in the Senior Exhibition. May be repeated for credit.

4713. Commercial Art V 3(2-4)

Prerequisite: ART 3723 or consent of instructor.

Introduction to advertising design. Problems of design and production in a variety of advertising media.

4723. Commercial Art VI 3(2-4)

Prerequisite: ART 4713 or consent of instructor.

Use of illustration, typography, and photography in advertising. Portfolio presentation and development for seniors. May be repeated for credit.

4813. Metals & Jewelry IV 3(2-4)

Prerequisite: ART 3823 or consent of instructor.

Advanced study in a previously enrolled process or an introduction to a third metalsmithing technique with emphasis on combining processes and stressing individual exploration and skill development. (See Metalsmithing 3813 for media options.)

4823. Metals & Jewelry V 3(2-4)

Prerequisite: ART 4813 or consent of instructor.

Advanced individual problems in metals with emphasis on the development of a personal direction stressing production of works to be included in the Senior Exhibition. May be repeated for credit.

4913. Advanced Problems in Art 3 semester hours

Prerequisites: Nine hours in the field to be investigated.

Problems to be worked out in conjunction with instructor of the field being investigated. May be repeated for credit when fields of study vary.

4923. Senior Exhibition 3 (2-4)

Prerequisites: ART 4513 and consent of instructor.

Special emphasis on all aspects of preparation for the selection and presentation of work included in the senior exhibition. Includes production of resume, artist's statement, exhibition announcement, public relation practices, and various forms of correspondence and communication. Also includes discussions and information centering on career opportunities, job seeking, interviewing, business and professional concerns. For B.F.A. majors only. Exhibition scheduling will be determined by the instructor in

consultation with the gallery director. To be taken during fall semester of final year. This is a capstone course. It is a demonstration of accumulated knowledge and skills, culminating in a professionally installed and presented exhibition.

4933. Visual Arts Apprenticeship

3 semester hours

Prerequisite: Consent of instructor.

Student serves as an apprentice to the instructor in the development of works of art designed by the faculty member. Medium and instructor may not be repeated.

4943. Art Internship

3 semester hours

Prerequisite: Limited to B.F.A. majors of senior standing with 3.0 overall grade point average.

Practical work experience in an environment related to the student's art career objectives. A minimum of 160 hours on the job is required. Must be approved and arranged prior to registration and receive consent of the Department Chair. May be repeated in a different work experience for a total of six hours credit.

MASS COMMUNICATION

Carla Bennett, Chair (Fain Fine Arts Center 108)

Assistant Professors: Bennett, Gorham, Polk, Pruitt, Sernoe

Professors Emeriti: Allen, Cowart, Kable, Taylor

MISSION STATEMENT FOR THE MASS COMMUNICATION PROGRAM

The mission of the Mass Communication program is to prepare Bachelor of Arts graduates for employment in the multi-discipline media arena and/or graduate education. The mission will be achieved by evolving curriculum which stresses both theoretical principles and practical application of current theory.

The requirements for the degree of Bachelor of Arts in mass communication are as follows:

Academic Foundations and Core Curriculum (see page 101)

Mass Communication Requirements (45 semester hours)

Mass Communication (24 semester hours) 1113, 2213, 3223, 3313, 3613, 4123, 4163 (one semester working either on *The Wichitan* or at MSU2), 4243;
Journalism (9 semester hours) 1233, 1243, 4643;
Speech Communication (9 semester hours) 1233, 4133, 3023;
Art (3 semester hours) 2013 or 3713.

A student majoring in Mass Communication must select a minor from one of the following:

Journalism (18 semester hours)

3133, 3233, 3623, 3633, 3653, 4123.

Broadcast Journalism (18 semester hours)

Journalism 3623, 4123, Mass Communication 4153, 4263, 4313, 4363.

Theatre (18 semester hours)

2533, 3433, 3473, 3483, 3543, 4483.

Art (18 semester hours)

1113 or 1123, 1313, 3013 or 3 hours of advanced commercial art, 3 hours of advanced art history, plus 6 advanced hours approved by the Art Chair.

Public Relations (18 semester hours)

JOUR 3133, 3233, 3633 or 3653, 4123, 4683, 4693.

Electives (sufficient to bring total hours to 124)

A 3.0 grade point average in major and minor is required prior to enrollment in Mass Communication 4243.

Minor in Mass Communication—21 semester hours comprised of:

JOUR 1233 Introduction to Mass Communication

MCOM 1113 Media Writing

JOUR 1243 News Writing I

MCOM 3223 Advertising

MCOM 3313 Studio Procedures I

JOUR 4643 Mass Communication Law or MCOM 4313 Media Management

JOUR 4683 Public Relations or SPCH 4133 Organizational Communication

COURSES IN MASS COMMUNICATION (MCOM)

1113. Media Writing 3(3-0)

Introduction to writing skills necessary to gather and disseminate news and information pieces common to communication fields. Emphasis on structure, Associated Press style, journalistic techniques, and print and broadcast formats. Must earn a "C" or better before entering JOUR 1243 or MCOM 4263.

2213. History and Aesthetics of Film (formerly 3213) 3(3-0)

The history, theory, and aesthetics of film as artistic expression. Lighting, composition, editing, continuity, and genres will be emphasized.

3223. Advertising 3(3-0)

Study of the means of marketing ideas, goods, and services. Emphasis on principles, procedures, and techniques employed in the creation of campaigns.

3313. Studio Procedures I (formerly 2313) 3(3-0)

Prerequisite: MCOM 1113.

The theory and practice of television production and procedures. Supervised direction in all aspects of this media presentation.

3613. Studio Procedures II (formerly 2613) 3(3-0)

Prerequisites: MCOM 3313. Limited to mass communication majors.

Advanced theory and practice of television production. Supervised direction in all aspects of media presentation.

4123. Radio and Television Programming 3(3-0)

Prerequisite: Limited to mass communication majors.

Study of radio and television program design and audience analysis, with emphasis on current programming practices and promotional techniques.

4153. Broadcast Diction 3(3-0)

Prerequisite: SPCH 1233.

The application of the International Phonetic Alphabet to improve the vocal processes, articulation, and pronunciation. Extensive reading of broadcast copy.

4163. Mass Communication Applications 3 semester hours

Prerequisite: Consent of the instructor.

Writing for campus newspaper and/or campus television station in a professional atmosphere. May be repeated once for credit.

4173. Problems in Mass Communication 3 semester hours

Prerequisites: Consent of chair. Limited to mass communication majors.

Directed research in mass communication.

4243. Senior Production (formerly 3123) 3(3-0)

Prerequisites: MCOM 3313, 3613, and JOUR 1243. Limited to mass communication majors with a 3.0 G.P.A. in major and minor.

The execution of a television documentary incorporating written, oral, and organizational skills. Emphasis on applied media aesthetics. To be taken in final long semester.

4263. Broadcast News 3 semester hours

Prerequisites: MCOM 1113 (C or better), 3313, 3613. Limited to mass communication majors.

Gathering, writing, and presenting a television news product under a deadline. Developing news judgment as well as an understanding of the complexities of the visual aspect of broadcast journalism.

4313. Media Management 3(3-0)

Prerequisites: 12 advanced hours or consent of the instructor.

The financial, legal, and technical aspects of handling media personnel. Practical application of station operation, administration, and programming.

4363. Advanced Broadcast News 3 semester hours

Prerequisites: MCOM 4263. Limited to mass communication majors.

The application of broadcast journalism in the role of news producer, news director, and other managerial roles. Responsible for on-air quality of the newscast.

JOURNALISM

The requirements for the minor in journalism are as follows:

Minor in Journalism (18 semester hours)

MCOM 1113, JOUR 1233, 1243, 3133, 3233 plus three advanced JOUR hours.

The requirements for a teaching field in journalism are as follows:

MCOM	1113	Media Writing
JOUR	1233	Introduction to Mass Communication
JOUR	1243	News Writing I
JOUR	3133	News Writing II
JOUR	3233	News Editing and Copy Reading
JOUR	3633 or 3653	Editorial Writing/Feature Writing
JOUR	4163	Mass Communication Applications
MCOM	4153	Broadcast Diction

Total 24 hours

COURSES IN JOURNALISM (JOUR)

- 1233. Introduction to Mass Communication** 3(3-0)
Survey of the media of mass communication: newspapers, radio, television, magazines, and industrial publications.
- 1243. News Writing I** 3(2-2)
Prerequisite: MCOM 1113 with C or better.
Introduction to fundamentals such as accuracy, brevity, clarity, deadlines, news story structure, and the nature of the news. Designed to prepare the student for reporting.
- 3133. News Writing II** 3(2-2)
Prerequisite: JOUR 1243 or consent of instructor.
Study and practice in reporting the significant and complex news such as science, labor, the courts, and critical reviews. Public affairs and investigative reporting.
- 3233. News Editing and Copy Reading** 3(3-0)
Prerequisite: JOUR 1243 or consent of instructor.
Instruction and practice in copy reading, determining news values, use of style-book, headline writing, photo editing, and newspaper design.
- 3623. Mass Communication History and Ethics** 3(3-0)
Prerequisites: 12 hours of journalism or consent of instructor.
Study of the development of American newspapers and other mass communication media related to the political, economic, and social progress of the American people; case history approach to ethical problems of the media.
- 3633. Editorial Writing** 3(3-0)
Prerequisite: JOUR 1243.
Study and practice of editorial writing techniques. Role of the editorial in contemporary journalism. Organization of facts for interpretation and persuasion.
- 3653. Feature Writing** 3(3-0)
Prerequisite: JOUR 1243.
Procedure in gathering material for feature stories with emphasis on newspaper articles. Analysis of reader appeal, study of feature story structure, and development of style by practice in writing feature stories.
- 4123. Mass Media Internship** 3 semester hours
Prerequisites: Junior standing and 12 hours of mass communication courses.
Instruction and practice in gathering, reporting, and editing the news at a media outlet. A minimum of 120 hours on the job required.
- 4643. Mass Communication Law** 3(3-0)
Prerequisites: 12 hours of journalism or consent of instructor.
Study of how law has developed in mass communication with emphasis on freedom of the press vs. rights of the individual; case history approach to court decisions and to Federal Communication Commission rulings.
- 4683. Public Relations** 3(3-0)
Prerequisites: 12 hours of journalism or consent of instructor.
Study of public relations in modern society, business, and communications. Influencing public opinion through acceptable performance and two-way communication.

4693. Public Relations Campaigns

3(3-0)

Prerequisite: JOUR 4683 or consent of instructor.

Application of public relations principles to cases; analysis of case histories, and evaluation of major public relations campaigns.

PUBLIC RELATIONS

The requirements for the minor in public relations are as follows:

Minor in Public Relations (21 semester hours)

MCOM 1113, JOUR 1243, 3133, 3233, 3633 or 3653, 4683, 4693.

SPEECH COMMUNICATION

The requirements for the minor in speech communication are as follows:

Minor in Speech Communication (18 semester hours)

Speech Communication 1133, 1233, 2133, 3013, 3023, 4133.

The requirements for a teaching field in speech are as follows:

SPCH 1133 Fundamentals of Speech Communication

SPCH 1233 Voice and Diction

SPCH 2133 Oral Interpretation

SPCH 3013 Argumentation and Debate

SPCH 3023 Persuasion

SPCH 4133 Organizational Communication

JOUR 1233 Introduction to Mass Communication

3 additional hours from:

MCOM 4153 Broadcast Diction

SPCH 4143 Problems in Speech Communication

THEA 4213 Dialects

THEA 4423 Creative Dramatics

Total 24 hours

COURSES IN SPEECH COMMUNICATION (SPCH)

1133. Fundamentals of Speech Communication

3(3-0)

Development of skills in speech communication. Preparation and delivery of speeches. Study of nonverbal communication, psychological motivation, and one-to-one communication.

1233. Voice and Diction

3(3-0)

Examination of the structure of the vocal apparatus. Analysis of the sound system of the English language. Work on the speaking voice and on General American pronunciation. Emphasis on the International Phonetic Alphabet and on oral practice.

2133. Oral Interpretation 3(3-0)

Analysis of oral interpretation as an art. Consideration of the aim of the interpreter as finding the meanings in the literature and stirring those meanings in the minds of the listeners. Same as Theatre 2133.

3013. Argumentation and Debate 3(3-0)

Foundations of argumentative discourse. Emphasis on the construction and delivery of logical arguments and development of skills in critical thinking.

3023. Persuasion 3(3-0)

Prerequisite: SPCH 1133 or consent of the instructor.

Advanced study and analysis of persuasive principles with a special emphasis on practical application.

4133. Organizational Communication 3(3-0)

A study of communication patterns in a range of business and professional organizational environments. Dynamics of individual and group communication-information flow, attitude change, evaluations systems, socio-emotional climate, conflict resolution, and interviewing.

4143. Problems in Speech Communication 3 semester hours

Prerequisite: Consent of the chair.

Directed research in speech. May be repeated for credit when topics vary.

MUSIC

Ruth Morrow, Chair (Fain Fine Arts Center 117)

Professors: Hough, Maxwell, Morrow

Associate Professors: Archambo, Lewis

Assistant Professors: Black, Crews, Jones, Kiehn

Professors Emeriti: I. Boland, W. Boland, Hughes

MISSION STATEMENT FOR THE MUSIC PROGRAM

The mission of the music program at Midwestern State University is to provide a comprehensive music curriculum and a wide range of performance opportunities which will equip students for a variety of music careers while enabling them also to become well-rounded persons through involvement in diverse liberal arts courses. The music program endeavors to help students develop aesthetic sensibility, cultural awareness, and social responsibility. Not only are students taught to create within their disciplines, they are challenged to evaluate the quality of what they have created. Central to the mission is to empower students to use their talents to enrich and advance society. With this in mind the program also serves as a catalyst between the university and the community in promoting artistic activities.

The following degree programs are offered for music majors:

Bachelor of Music (Performance)

Bachelor of Music (with Teacher Certification), see page 160.

GENERAL INFORMATION

Entering students may be required to take music placement tests. Preparatory study or considerable experience in the field of performance concentration is required

of all majors. Advanced standing of transfer students will be determined by placement tests and evaluation of scholastic standing.

All music majors, with the exception of keyboard performance majors, are required to maintain continuous enrollment in piano class or private piano (with approval from the chair of keyboard studies) until keyboard proficiency is passed.

All music majors must participate in at least one major ensemble for credit each semester of enrollment except during the semester of student teaching. (See list of major ensembles under Courses in Music Ensemble.)

All music majors are required to maintain continuous enrollment in their primary performance area until successfully completing the senior recital.

Additional information regarding Music Department policies and procedures is available in the Music Department Policy Manual.

RECITAL REQUIREMENTS

All candidates for the Bachelor of Music degree must prove satisfactory performance ability by performing publicly in recital. Students taking the performance degree will perform a half recital in the junior year, and a full recital in the senior year. Students with teacher certification will perform a half recital in the senior year.

All music majors, with the exception of keyboard performance majors, must pass the keyboard proficiency examination prior to the performance of their senior recital.

Before a recital is performed publicly, the student will be required to demonstrate to the faculty in his/her performance area that the program is ready for public performance. The time for this preview will be at least two weeks prior to the public performance date.

RECITAL ATTENDANCE REQUIREMENTS

Each student will be required to enroll in Recital Attendance (MUSC 1000) until eight semesters have been completed. This course is required for graduation but will carry no semester-hours credit toward a degree. The number of required semesters of Recital Attendance for transfer students will be determined by the Music Department Chair upon the student's entrance into the music program.

Grading will be by pass/fail. Attending a specific number of recitals will be required each semester for a passing grade. Failure to attend the requisite number of recitals will result in a failing grade for the semester. Part-time students will be required to attend an amount which is in ratio to the number of hours in which they are enrolled.

Music majors must pass a minimum of eight semesters. Students will not be cleared for graduation until these requirements are met.

REQUIREMENTS FOR THE MINOR IN MUSIC (23-24 semester hours):

All students selecting a minor in music must have their program approved in advance of registration by the Music Minor Adviser.

Music 1000 (4 semesters), 1601/1603, 3723, and 3733 or 3743, 2 semester hours from 1111 Beginning Piano or 1121 Piano Class (keyboard students take MUSC 3823 Piano Pedagogy I (offered fall semester only); Major Ensemble (4 semesters), 4 semester hours primary performance area (must be concurrently enrolled in major ensemble), 3-4 semester hours from the following: 1611/1613, 3733, 3743, 4813, 4823, 4843, or

4893. Nine hours of the minor must be at the advanced level (3 advanced hours may be taken in upper-level ensemble).

REQUIREMENTS FOR THE BACHELOR OF MUSIC DEGREE:

Primary Performance Areas: Brass, Percussion, Woodwinds, Guitar, Voice, Organ, or Piano

MUSIC CORE REQUIREMENTS (required of all music majors) 37-38 hours

Recital Attendance (eight semesters)

Music Theory (18 hours) - MUSC 1601/1603, 1611/1613, 2603, 2613, 3632, and 3662.

Music History (9 hours) - MUSC 3723, 3733, and 3743.

Conducting (3 hours) - MUSC 4843.

Ensemble (Performance Majors - 8 hours, Teacher Certification - 7 hours)

PERFORMANCE MAJORS ADDITIONAL REQUIREMENTS

Academic Foundations and Core Curriculum **45-48 hours**

Music Requirements:

Instrumental Performance	45 hours
MUSC 4853	3
Primary Performance Area (12 advanced, including 3 of Junior Recital and 3 of Senior Recital)	24
Secondary Performance Area with Proficiency (4 sem.)	4
Secondary Ensemble (4 sem.)	4
Advanced music electives	10
Total hours	124

Vocal Performance	52 hours
MUSC 1211, 1221, 3211, 3221, 4833, and 4862	9
Primary Performance Area (12 advanced, including 3 of Junior Recital and 3 of Senior Recital)	24
Performance Class 1101 (2 sem.), 3101 (2 sem.)	4
Opera Workshop 1931 (2 sem.), 3931 (2 sem.)	4
Advanced music electives	3
Foreign Language (2 semesters of French or German - can be met by Academic Core Requirements)	8
Total hours	129-131

Keyboard Performance	48-49 hours
MUSC 3823, 3833, 3842, 3852, and 4853 or 4862	12-13
Primary Performance Area (12 advanced, including 3 of Junior Recital and 3 of Senior Recital)	24
Secondary Performance Area (2 semesters must be keyboard)	4
Advanced music electives	8
Total hours	125-128

Bachelor of Music with Teacher Certification

Option I - Music All-Level, Vocal Emphasis

Academic Foundations and Core Curriculum 45-48

ENGL 1113, 1123	6
COUN 3143	3
SPCH 1233	3
HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1233	3
EDUC 1023 or CMPS 1023 or pass department exam	3
Fine Arts - met by course required in major	0
Humanities - met by courses required in major	0
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333	3
Kinesiology (2 activities or 1 activity and KNES 1011)	3-4

Major in Music 58

Theory 1601/1603, 1611/1613, 2603, 2613, 3632, 3662	18
Instrumental classes 3141, 3161, 3181, 3291	4
History 3723, 3733, 3743	9
Conducting 4843, 4862	5
Diction 1211, 1221	2
Choral Literature 3862, 3872	4
Applied Music	6
Senior Recital	1
Ensemble	7
Advanced electives	2
Piano Proficiency and Recital Attendance	

Professional Education for All-Level Certification 24

EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3163 Classroom Management	3
MUSC 4823 Foundations of Music I	3
MUSC 4873 Foundations of Music II	3
EDUC 4173 Student Teaching, Elementary, All-Level	3
EDUC 4473 Student Teaching, Secondary, All-Level	3
READ 4273 Content Reading	3

Total Semester Hours 127-130**Bachelor of Music with Teacher Certification**

Option I - Music All-Level, Instrumental Emphasis

Academic Foundations and Core Curriculum 45-48

ENGL 1113, 1123	6
COUN 3143	3
SPCH 1233	3

HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1233	3
EDUC 1023 or CMPS 1023 or pass department exam	3
Fine Arts - met by course required in major	0
Humanities - met by courses required in major	0
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333	3
Kinesiology (2 activities or 1 activity and KNES 1011)	3-4

Major in Music 58

Theory 1601/1603, 1611/1613, 2603, 2613, 3632, 3662	18
Instrumental classes 3141, 3161, 3181, 3281, 3291	5
History 3723, 3733, 3743	9
Conducting 4843, 4853	6
Applied Music	6
Senior Recital	1
Ensemble	7
Advanced electives	6
Piano Proficiency and Recital Attendance	

Professional Education for All-Level Certification 24

EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3163 Classroom Management	3
MUSC 4823 Foundations of Music I	3
MUSC 4873 Foundations of Music II	3
EDUC 4173 Student Teaching, Elementary, All-Level	3
EDUC 4473 Student Teaching, Secondary, All-Level	3
READ 4273 Content Reading	3

Total Semester Hours 127-130

COURSES IN MUSIC ENSEMBLE (MUSC)

The term major ensemble as used in the curricula includes University Symphonic Band or University Marching Band for students concentrating in instrumental music and University Singers for students concentrating in vocal music. Students concentrating in keyboard music may select from any of the major ensembles mentioned above. Ensembles other than University Symphonic Band, University Marching Band, and University Singers are considered secondary.

1001, 3001. University Singers 1(0-4)

A select choral ensemble open to all students of the University who qualify by audition. At least four hours of rehearsal are required each week and members must participate in all public performances. An extended tour is taken in the spring. Choral music from all historical periods in various genres is explored and performed. The repertoire includes world music from a variety of cultures.

1011, 3011. Oratorio Chorus 1(0-3)

A choral organization open to all interested students and townspeople specializing in the performance of major works with orchestral accompaniment. Historical periods

ranging from Renaissance to the 21st Century are varied each semester, as well as the birth origin of the individual composers, so as to provide a fresh multicultural musical experience with each major work.

1021, 3021. University Symphonic Band 1(0-4)

The Midwestern State University Symphonic Band is a select group representing all colleges on campus. The band tours annually and performs several concerts on campus and off campus. Membership is open to all students with band experience, who qualify by audition (spring semester).

1031, 3031. University Pep Band 1(0-2)

The Midwestern State University Pep Band meets twice weekly during the spring semester and performs for all home basketball games and selected outdoor activities. Membership is open to all students with band experience (spring semester).

1041, 3041. University Marching Band 1(0-6)

A group which represents all colleges on campus. During the fall semester, the band performs at MSU home football games. Membership is open to all students with band experience. One hour of credit is given each semester. Two hours credit may be substituted for one kinesiology activity course. May be repeated for credit (fall semester only).

1061, 3061. Wichita Falls Chamber Orchestra 1(0-2)

A large instrumental ensemble open to all interested students and townspeople. Membership is by audition. Fall and spring concerts are presented. Additional concerts for the community are scheduled as needed. Literature ranges from baroque to contemporary classics (fall and spring semesters).

1931, 3931. Opera Workshop 1 semester hour

An ensemble open to all students by audition. Trains singers and directors in the special problems of the musical stage (spring semester).

1941, 3941. University Jazz Ensemble 1(0-3)

An instrumental ensemble representing students from all colleges on campus. The band tours each year and performs for local high school assemblies and civic club programs. Membership is by audition (fall and spring semesters).

1961, 3961. Chamber Ensemble 1 semester hour

Small ensembles devoted to the learning and performing of all styles of chamber music. Membership is by audition (fall and spring semesters).

1981, 3981. Midwestern Singers 1 semester hour

A chamber ensemble selected by audition from members of the University Singers. The Midwestern Singers perform a wide variety of music from different countries, ranging from madrigals and motets to vocal jazz arrangements from America and abroad.

COURSES IN PERFORMANCE (AMUS)

Courses in performance (private lessons) are available for one or three semester hours credit. Performance course numbers have a first digit of 1 or 3 corresponding to the level of study. The final digit corresponds to the number of semester hours in which a student is enrolled. The central digits show the area of performance study (piano, voice, non-major voice, etc.) according to the table below.

Students majoring in performance as candidates for the Bachelor of Music degree may enroll for no more than three semester hours in their primary performance area each semester. Candidates for the Bachelor of Music degree with Teacher Certification, music minors, and non-majors/non-minors may enroll for no more than one semester hour each semester.

	Central Digits for Performance Area
Performance Area:	
Voice	20
Voice for non-majors/non-minors	70
Keyboard	
Piano	22
Piano Proficiency (repeat once only—two semesters total)	23
Organ	24
Harpsichord	28
Keyboard for non-majors/non-minors	72
Percussion	26
Strings	
Guitar	38
Winds	
Flute	40
Oboe	42
Clarinet	44
Saxophone	46
Bassoon	48
Brasses	
French Horn	50
Trumpet (Cornet)	52
Trombone	54
Baritone	56
Tuba	58
Instrumental for non-majors/non-minors	74
Conducting	60
Composition	69
Junior Recital, Performance	86
Senior Recital, Performance or Education	96

Voice, piano, or instrumental for non-majors may be taken only with consent of instructor and department chair.

COURSES IN MUSIC (MUSC)

1033. **The Appreciation of Music** 3(3-0)

A course designed to increase the variety and depth of the student's exposure to music and to enhance better understanding and enjoyment of music as an art. Offered as traditional music appreciation or jazz/rock music appreciation.

1101. **Performance Class** 1 semester hour

A course designed to cover all aspects of performance relating to the student's performing medium. Where applicable, areas covered will be pedagogy, history, diction, literature, instrument maintenance, interpretation, and stage presence. Meets one hour a week for one hour credit.

1103. Piano Class for Non-Music Majors 3(3-0)

A survey of piano and harpsichord literature from 1685 to the twentieth century. Concurrent class instruction in piano.

1111. Beginning Piano 1(0-2)

Class instruction in piano for students with no previous background; emphasis on the development of fundamental skills. Majors/minors only.

1121. Piano Class 1(0-2)

Prerequisite: Ability to read treble and bass clefs.

Emphasis on basic skills to pass the piano proficiency. Majors/minors only. May be repeated for credit.

1211. Diction I 1 semester hour

A beginning course for the study of singers' diction. The International Phonetic Alphabet will be learned and applied to English, Italian, and Latin pronunciation.

1221. Diction II 1 semester hour

Prerequisite: MUSC 1211.

A beginning course for the study of German and French pronunciation. A working knowledge of IPA is expected.

1601. Elementary Sight-Singing and Ear Training 1(0-2)

Singing in treble and bass clefs with introduction to alto clef, major, and minor modes. Recognition of intervals and triads and melodic dictation. Enrollment limited to students who are enrolled in or have completed MUSC 1603.

1603. Theory I 3(3-0)

Part writing of figured bass exercises and melody harmonizations using triads. Composing on a small scale will be introduced. MUSC 1601 should be taken concurrently.

1611. Elementary Sight-Singing and Ear Training 1(0-2)

Prerequisite: MUSC 1601.

A continuation of MUSC 1601. Enrollment limited to students who are enrolled in or have completed MUSC 1613.

1613. Theory II 3(3-0)

Prerequisite: MUSC 1603.

A continuation of MUSC 1603. MUSC 1611 should be taken concurrently.

2603. Theory III 3(3-1)

Prerequisite: MUSC 1613.

Sight-singing more difficult melodies. Dictation of more advanced melodies. Introduction of two-part and four-part dictation. Part-writing of figured basses and melodies using altered chords, modulations, 9th, 11th, and 13th chords. Students will also have the opportunity to freely compose several short works in various styles using some of the more advanced chords as they are studied. Composing in various styles involving advanced chords will be included.

2613. Theory IV 3(3-1)

Prerequisite: MUSC 2603.

A continuation of MUSC 2603.

3101. Performance Class 1 semester hour

A continuation of MUSC 1101.

3141. Woodwind Instruments Class 1(1-1)

Instruments comprising the woodwind section of the orchestra and band, including practical experience in playing these instruments. The principles concerning history, correct embouchures, tonguing, and phrasing are presented in class. Reed-making and reed-repairing methods are included.

3161. Brass Instruments Class 1(1-1)

Instruments which make up the brass section of the orchestra and band, including practical experience in playing these instruments. The principles concerning history, correct embouchures, tonguing, and phrasing are included. Mastery of the fundamentals of playing these instruments is included to prepare for the direction of school orchestras and bands.

3181. String Instruments Class 1(1-1)

A course designed to familiarize students with the instruments of the string orchestra; namely, violin, viola, violincello, and bass viol. A study of bowing techniques, positions, and fundamentals which are necessary for the correct teaching of these instruments in the public schools.

3211. Diction III 1 semester hour

Prerequisite: MUSC 1211.

Advanced study of Italian and Latin pronunciation. A working knowledge of IPA is expected.

3221. Diction IV 1 semester hour

Prerequisite: MUSC 1221.

Advanced study of German and French pronunciation. A working knowledge of IPA is expected.

3281. Voice Class 1 semester hour

Group instruction and practice in the fundamentals of singing such as breath control, tone production, consonant formations, etc. Individual assignments as indicated by the student's own problems, background, and ability.

3291. Percussion Instruments Class 1(1-1)

A study of the instruments comprising the percussion section of the orchestra or band. Mastery of the fundamentals in playing these instruments is included to prepare students for the direction of school orchestras or bands.

3632. Analysis of Musical Form 2 semester hours

Analysis of musical structure including simple binary and ternary forms, the rondo and sonata-allegro forms, and contrapuntal applications.

3662. Orchestration 2(2-0)

Prerequisite: MUSC 2613.

Techniques of scoring and part extraction for orchestra. Special consideration to aspects of school and church ensembles. Problems involving combinations of instrumental groups with other media. As part of the final projects, students will orchestrate an original composition 16-24 measures in length. The original will be in a keyboard style of the student's choosing with the approval of the instructor.

3723. Western and World Music Literature 3(3-0)

A survey of music through periods, composers, and genres. Study of traditional western European art music, folk music, and music of diverse cultures, including America, Africa, and Asia. Emphasis will be given to the development of study skills

necessary for further study in any branch of music history through analysis and identification of written scores and aural examples. For music majors and honor students; open to others as space permits.

3733. Music History I 3(3-0)

Prerequisite: MUSC 3723.

A study of the development of music and the related arts from early Greek music through the Baroque period. Recorded illustrations of music show stylistic development of representative composers in each period.

3743. Music History II 3(3-0)

Prerequisite: MUSC 3723.

A study of the development of music and the related arts from the classical period through the Twentieth Century. Recorded illustrations of music show stylistic development of representative composers in each period. A sampling of world music will be incorporated.

3801. Instrument Repair 1 semester hour

Designed to familiarize students with the fundamentals of instrument repair. Includes care and maintenance, inspections, standard minor repairs, and emergency repairs.

3823. Piano Pedagogy I 3 semester hours

Principles and materials for the instruction of beginning piano students of all ages. Knowledge of the leading printed teaching methods and anthologies, and application of leveling principles through pedagogical composition assignments. Discussion of studio policies. Some in-class teaching. Two lessons of practice teaching per week required.

3833. Piano Pedagogy II 3 semester hours

Prerequisite: MUSC 3823.

Principles and materials for the instruction of intermediate and advanced piano students. Knowledge of the leading printed teaching methods and anthologies, and application of leveling principles through pedagogical composition assignments. Discussion of business practices and studio policies. Some in-class teaching. Two lessons of practice teaching per week required.

3842. Keyboard Literature I 2 semester hours

A survey of keyboard literature from its beginnings through the early Romantic composers. Recorded and student performances of literature used to illustrate various aspects of form and style.

3852. Keyboard Literature II 2 semester hours

A survey of keyboard literature during the Romantic, Impressionist, and 20th Century eras, coming as close to the present day as possible. Various national styles will be discussed, as will the divergent trends in 20th Century keyboard music. Recorded and student performances of literature.

3862. Choral Literature I 2 semester hours

A study of six major choral genres, performance practice and materials from the Renaissance through the 21st Century including a unit on world choral music.

3872. Choral Literature II 2 semester hours

Continuation of Choral Literature I with an emphasis on standards, procedures, and technique for the choral rehearsal.

4612. Practicum in Vocal Accompanying 2 semester hours

Prerequisite: Consent of instructor.

Survey of the song literature from the Italian, German, and French schools. Introduction to foreign language diction and coaching techniques. Development of score reduction skills.

4622. Practicum in Marching Band 2 semester hours

Prerequisite: Pass piano proficiency.

A study of the basic fundamentals of marching band, including history, drill design, music preparation and arranging, show preparation, and importance of auxiliary groups related to the marching band.

4632. Practicum in Instrumental Accompanying 2 semester hours

Prerequisite: Consent of instructor.

Survey of Instrumental Duo repertoire, including sonatas. Work in figured bass realization, orchestral reductions, and rehearsal techniques.

4813. Foundations of Music I 3(3-0)

A study of elementary music education as it relates to musical concepts, music-reading skills, the elements of music, performance, and materials.

4823. Foundations of Music II 3(3-0)

A study and evaluation of music procedures and basic concepts for music programs.

4833. Vocal Pedagogy 3(3-0)

Prerequisite: Consent of instructor.

A study of the principles and techniques of teaching voice. The history of teaching methods and procedures including those of the Italian and German schools is covered. Observation of teaching required.

4843. Basic Conducting 3(3-0)

For music majors and minors. Others may register with the consent of the instructor. Emphasis on basic conducting techniques, style, and interpretation.

4853. Instrumental Conducting 3 semester hours

Prerequisite: MUSC 4843.

Continuation, development, and expansion of MUSC 4843 with emphasis on instrumental conducting.

4862. Choral Conducting 2 semester hours

Prerequisite: MUSC 4843.

Continuation, development, and expansion of MUSC 4843 with emphasis on choral conducting.

4873. Foundations of Music III 3(3-0)

A course designed for music majors working toward the all-level certificate in music. Emphasis is placed upon the specific activities comprising an elementary music program, the materials and skills necessary for implementing such a program, and the integration of music with the total elementary school program. Students receive an introduction to multiculturalism and world music, with focus on the Andean music of South America. Includes laboratory experience in teaching beginning vocal and instrumental techniques individually, in small groups, and in larger classes.

4893. Music Technology 3 semester hours

Prerequisite: Consent of instructor.

A survey including advances in music technology, digital synthesis, sequencing, MIDI, desk-top music publishing, basic music acoustics, music applications of the Internet, recording, microphones, and sound systems. May be repeated for credit.

4963. Problems in Music 3 semester hours

Prerequisite: Consent of Chair.

Directed study on special problems in music. May be repeated for credit.

BOLIN DISTINGUISHED CHAIR OF PIANO

The Dolores P. Bolin Distinguished Chair of Piano was established in 1981 through the generous gift of Mrs. Bolin in memory of her husband, Wichita Falls oil man, D. Houston Bolin. In 2000, a second chair was established through a generous gift from D. Phil and Aurora S. Bolin. These endowments allow Midwestern State University to enhance its high level of pianistic and musical excellence. Past Bolin Chairs were Dr. Peter Armstrong, Julie Bees, and Nancy Boston.

Dr. Ruth Morrow is the current Bolin Distinguished Chair of Piano. She holds degrees from Indiana University (D.M., Piano Performance and Pedagogy), Eastman School of Music (M.M., Piano; M.A., Musicology), and Whitman College (B.A., Music, Philosophy). With a background which spans all musical styles and includes performances throughout the United States and in Europe, Dr. Morrow brings depth, breadth, and enthusiasm to her position.

THEATRE

Laura Jefferson, Chair (Fain Fine Arts Center 106)

Professors: Fischli, Henschel, Lewandowski

Associate Professor: Jefferson

MISSION STATEMENT FOR THE THEATRE PROGRAM

The mission of the Midwestern State University theatre is to advance the study and performance of live theatre, and, in so doing, to equip students to make positive cultural contributions as theatre educators, professionals, or graduate students.

Three degree programs are offered for theatre majors:

Bachelor of Fine Arts

Bachelor of Arts

Bachelor of Arts with Teacher Certification

BACHELOR OF FINE ARTS degree requirements

Academic Foundations and Core Curriculum (see page 101)

Theatre Requirements (65 semester hours)

General Requirements (14 semester hours)

SPCH 1233, THEA 2121, 2133, 3121 (7 hours or every semester enrolled as a theatre major)

History/Theory (6 semester hours)
4433 and 4443

Acting/Directing (18 of the following 21 semester hours)
1413, 2533, 3123, 3423, 3433, 3543, 4483

Technical Theatre (21 of 24 semester hours)
Required: 1513, 1613, 1713
12 hours from 3463, 3473, 3483, 4463, 4473

Plus six advanced hours chosen from the following:
THEA 3453, 3513, 3543, 4143, 4213, 4423, or any upper level, adviser-approved courses.

Electives (12 semester hours)

BACHELOR OF ARTS degree requirements

Academic Foundations and Core Curriculum (see page 101)

Theatre requirements (42 semester hours)
SPCH 1233, THEA 1413, 1513, 1613, 2133, 2533, 3433, 3543, 4483; one hour of 2121, five hours of 3121; three semester hours from 3423, 3463, 3473, 3483, 4463, or 4473; three semester hours from 4433 or 4443; plus three advanced hours.

The requirements for the minor in theatre are as follows:

Minor in Theatre (18 semester hours)
SPCH 1233, THEA 1513, 1613, 2533, 3433, and three semester hours from 3423, 3463, 3473, 3483, or 4463.

BACHELOR OF ARTS WITH TEACHER CERTIFICATION degree requirements

Academic Foundations and Core Curriculum (see page 101.)

Requirements for a First Teaching Field in Theatre Arts (39 hours)

THEA 1413 Movement for Stage
THEA 1513 Scene Construction
THEA 1613 Performance Makeup
THEA 2121 Rehearsal and Production
THEA 3121 Rehearsal and Production (5 semesters of enrollment)
THEA 2533 Introduction to Acting
THEA 3433 Principles of Directing
THEA 3543 Advanced Acting
THEA 4433 Theatre History I
THEA 4443 Theatre History II
THEA 4483 Direction of Plays
6 hours from:

THEA 3423 Script Analysis
THEA 3463 Scene Design
THEA 3473 Performance Lighting
THEA 4463 Construction of Stage Costumes
THEA 4473 Design of Stage Costumes

Requirements for a Second Teaching Field in Theatre Arts (24 hours)

- THEA 1413 Movement for Stage
 THEA 1513 Scene Construction
 THEA 1613 Performance Makeup
 THEA 2533 Introduction to Acting
 THEA 3433 Principles of Directing
 THEA 4483 Direction of Plays
 3 hours from:
 THEA 3463 Scene Design
 THEA 3473 Performance Lighting
 THEA 4473 Design of Stage Costumes
 3 additional advanced hours
 See page 155.

COURSES IN THEATRE (THEA)

- 1413. Movement for Stage** 3(3-0)
 The use of improvisational techniques to explore the coordination of physical and vocal expression. For theatre majors and minors only.
- 1503. Appreciation of Theatre** 3(3-0)
 Analysis of the theatre experience, especially from the viewpoint of the spectators. Aesthetic principles involved in all phases of the theatrical art. The development of this art by mankind.
- 1513. Scene Construction** 3(2-2)
 Constructing, finishing, and painting scenery and properties for stage, studio, and display.
- 1613. Performance Makeup** 3(3-0)
 Principles of straight and character makeup for camera and live audience.
- 1713. Introduction to Theatrical Design** 3(3-0)
 Exploration of the principles of theatrical design and basic drawing skills as forms of artistic communication.
- 2121. Rehearsal and Production** 1 semester hour
 Laboratory in theatre productions. Participation in the performance or production of at least two plays involving the successful completion of assigned tasks.
- 2122. Dance for the Theatre** 2(1-2)
 Prerequisite: Consent of Chair.
 Basic instruction in tap, jazz, and modern. Instruction may be related to productions being prepared for public presentation.
- 2133. Oral Interpretation** 3(3-0)
 Analysis of oral interpretation as an art. Consideration of the aim of the interpreter as finding the meanings in the literature and stirring those meanings in the minds of the listeners. Same as SPCH 2133.
- 2533. Introduction to Acting** 3(2-2)
 Open to non-majors. May be repeated for credit. Study and application of the theories and techniques of the art of acting with emphasis on acting as a communicative process.

3121. **Advanced Rehearsal and Production** 1 semester hour
 Prerequisite: THEA 2121.
 Developmental experiences in performance or production beyond THEA 2121 associated with the semester's productions. May be repeated for credit.
3123. **Advanced Movement** 3(3-0)
 Exploration of advanced techniques in stage movement.
3423. **Script Analysis** 3(3-0)
 The skills and techniques of script analysis. The analyzing and practical application of the production and performance values in a playscript. May be repeated once for credit.
3433. **Principles of Directing** 3(2-2)
 Prerequisites: THEA 2533 and 3543, or consent of the instructor.
 Fundamental principles and aesthetics of directing. Criteria and procedures in selection, casting, rehearsal, and production. Practice in directing scenes.
3453. **Scene Construction** 3(2-2)
 Exploration of advanced sceneographic techniques.
3463. **Scene Design** 3(2-2)
 Prerequisites: THEA 1513, 1713 and 3483 or consent of instructor.
 Study and practice in scenic design principles.
3473. **Performance Lighting** 3(2-2)
 Study and practice in lighting theories. Principles of electricity as applied to theatre, broadcast, and concert lighting.
3483. **Theatre Graphics** 3(2-2)
 Prerequisite: THEA 1513 or consent of instructor.
 Principles of and practices in drafting and drawing for the performing arts. Application of standard graphic language in scenic design and technical production.
3513. **Selected Studies in Theatre** 3(3-0)
 Topics will vary and may include such subjects as supplementary playreading and analysis, advanced work with voice and dialects, sound design, and special performance studies. May be repeated for credit when topics vary.
3543. **Advanced Acting** 3(2-2)
 Prerequisite: THEA 2533 or consent of the instructor.
 Advanced study and application of the theories and techniques of acting with emphasis on characterization, role analysis, and ensemble playing. May be repeated for credit.
4143. **Problems in Theatre** 3 semester hours
 Prerequisite: Consent of the college dean.
 Directed research in theatre. May be repeated for credit when topics vary.
4213. **Dialects** 3(3-0)
 Prerequisite: SPCH 1233 or consent of the instructor.
 General phonetic principles and practice. The regional dialects of the United States: General American, Southern, and Eastern. Standard British speech. Other selected dialects. Same as SPCH 4213.

4423. Creative Dramatics 3(2-2)

The use of story dramatization, role playing, and improvisation for the purpose of developing critical thinking, creativity, and social communication skills in the child. It is designed for prospective teachers of all disciplines.

4433. Theatre History I 3(3-0)

History and theory of playwriting, directing, acting, and production from the beginnings through the eighteenth century.

4443. Theatre History II 3(3-0)

History and theory of playwriting, directing, acting, and production in the nineteenth and twentieth centuries. Special study of the contemporary theatre.

4463. Construction of Stage Costumes 3(2-2)

Techniques in the making of stage costumes, drafting, and adapting of patterns for period and modern clothes for the stage.

4473. Design of Stage Costumes 3(2-2)

Prerequisites: THEA 1713 and 4463 or consent of the instructor.
Design of costumes for stage.

4483. Direction of Plays (formerly 3443) 3(2-2)

Prerequisites: THEA 2533, 3433, 3543 or consent of the instructor.

Conceptualization, direction, and production of a one-act play for presentation before an audience. Includes responsibility for all performance, design, technical, and promotional aspects of the production.



COLLEGE OF HEALTH SCIENCES AND HUMAN SERVICES

Susan Sportsman, Dean (J. S. Bridwell Hall 104D)

MISSION STATEMENT FOR THE COLLEGE OF HEALTH SCIENCES AND HUMAN SERVICES

The College of Health Sciences and Human Services includes undergraduate study in criminal justice, dental hygiene, health care management, health services administration, kinesiology (including health fitness management, exercise physiology, and athletic training), nursing, radiologic sciences, respiratory care, and social work with graduate programs in kinesiology, radiologic sciences, health service administration, nursing, and public administration. There are also degree programs designed specifically for working radiographers, registered nurses, and respiratory therapists and a certification course in health service administration. Post-master's nursing students may also take courses pursuant to certification as nurse educators or family nurse practitioners. The mission of the college is to prepare students to successfully function in their chosen professions within the rapidly changing health care and human service environment. All programs are based upon a comprehensive liberal arts and sciences foundation and include both clinical/practicum and didactic learning opportunities in the courses of the major. Graduates of the dental hygiene, nursing, respiratory care, and associate degree radiologic sciences programs are eligible for licensure or certification in their disciplines.

Admission Policies

Applications are accepted from men and women regardless of age or marital status. Applicants will be considered for admission on an individual basis.

1. See the sections on Admission and Registration Information for details. Admission to Midwestern State University does not guarantee acceptance into a health science program.
2. It is recommended that the high school background include courses in chemistry, biology, and algebra (2 units) for health sciences programs.
3. Application forms for admission to nursing, dental hygiene, radiologic sciences and respiratory care programs may be obtained from the respective departments.
4. See individual program for specific admission requirements. In exceptional cases, persons who do not meet the criteria for regular admission may be granted provisional admission by the College Admissions Committee.
5. The semester-by-semester program of individual courses should be followed by entering students. Exceptions may be made by the department chair.
6. Students who use Sheppard AFB facilities will sign a Hold Harmless Agreement prior to entering classes.
7. Students who attend classes at Sheppard AFB or local clinical or practicum sites are responsible for their own transportation. To meet federal requirements all persons who operate vehicles on SAFB must carry bodily injury and property damage liability insurance that meets the minimum statutory requirements of applicable civil law and USAF regulations. Students must certify at the time of registration that they possess such insurance if planning to operate a vehicle on SAFB.

CRIMINAL JUSTICE

Mark R. Davids, Chair (Martin Hall 111)

Professor: Martin

Associate Professor: Flavin

Assistant Professors: Davids, Moran

Instructor: Paddock

Professor Emeritus: Grant

The Bachelor of Science degree in Criminal Justice (BSCJ) is designed to provide students interested in law enforcement, corrections and the legal system with the essential skills and knowledge for service in the criminal justice system. The program aims to enhance the student's intellect by analyzing generally known principles and procedures. The program is multi-disciplinary in its approach to the study of crime as the faculty strive to balance theory and practice.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN CRIMINAL JUSTICE DEGREE:

Academic Foundations and Core Curriculum (see page 101)

Additional Program Requirements

One year in one foreign language (or six additional hours of science)

Major (30 semester hours)

Criminal Justice 1113, 2213 or 2223, 2233 or 2243, 3213, 4213, and 15 additional advanced hours to total at least 21 advanced hours.

Minor to be selected in a field acceptable to the chair of the major and minor programs.

REQUIREMENTS FOR A MINOR IN CRIMINAL JUSTICE (21 semester hours)

Twenty-one semester hours including CRJU 1113, 2213 or 2223, 2233 or 2243, 4213, and nine additional advanced hours to total at least 12 advanced hours.

COURSES IN CRIMINAL JUSTICE (CRJU)

1113. Introduction to Criminal Justice 3(3-0)

History, development, and philosophy of the criminal justice system; introduction to the agencies involved in the administration of criminal justice.

2123. Police-Community Relations 3(3-0)

Prerequisite: CRJU 1113.

Analysis of intergroup relations between the police and the community with emphasis upon the importance of each understanding the problems and perspectives of the other.

2213. Legal Aspects of Law Enforcement 3(3-0)

Prerequisite: CRJU 1113.

History and philosophy of modern criminal law, including the structure, definition, and application of statutes and leading case law; the elements of crimes and penalties; general provision of the Texas Penal Code.

- 2223. Legal Aspects of Corrections** 3(3-0)
Prerequisite: CRJU 1113.
Substantive law relating to corrections with special attention on the laws of Texas. Emphasis on application of statutes and cases to basic rights of convicted.
- 2233. Police Systems and Practice** 3(3-0)
Prerequisite: CRJU 1113.
The study of the police professions; organization of law enforcement systems; the police role; police discretion and ethics; current and future issues.
- 2243. Correctional Systems and Practices** 3(3-0)
Prerequisite: CRJU 1113.
The study of corrections in the criminal justice system including institutional operations, alternatives to institutionalization, and treatment and rehabilitation.
- 2933. The Criminal Justice Judicial System** (formerly 3933) 3(3-0)
Prerequisite: CRJU 1113 or consent of instructor.
This course examines the American criminal judicial system in a practical manner. This course is designed to familiarize the student with the criminal judicial process and the basics of criminal law and procedure.
- 3213. Research Methods** 3(3-0)
Prerequisite: Junior or senior status.
Introduction to legal and social science research methods with emphasis on practical application in the criminal justice system. Includes basic procedures of survey research, quantitative analysis, and research design development.
- 3313. Law and Society** 3(3-0)
Prerequisite: Junior or senior status.
The course examines the objectives, functions and limitations of criminal law and procedures. The course also analyzes issues such as substance abuse, victimology, domestic violence and civil liability for criminal justice practitioners.
- 3443. Municipal Government and Metropolitan Problems** 3(3-0)
Prerequisites: Six hours of political science.
Study of the structure, functions, and politics of local government with special emphasis on the issues in the criminal justice system.
- 3463. Community Corrections Supervision** 3(3-0)
Prerequisites: CRJU 1113, 2223 or 2243, and junior or senior status.
This course examines the functions of probation, parole and specialized treatment of offenders within the community environment. Special attention is given to supervision issues, as well as methods and technologies utilized by community corrections practitioners.
- 3713. Ethical Issues in Criminal Justice** 3(3-0)
Prerequisites: 9 hours of criminal justice or consent of the instructor.
This course is designed to give the student both a philosophical and applied knowledge of ethical and moral theories that impact the criminal justice system. Because the nature of criminal justice is control over others, it is imperative that the professional in this discipline understand how this control affects all citizens.
- 3733. Juvenile Delinquency** 3(3-0)
Prerequisite: Junior or senior status.
A study of the nature, extent and causes of juvenile delinquency in the criminal

justice system. The course will study youthful offenders and their career patterns, institutional controls and correctional programs.

3913. Fundamentals of Criminal Investigation (formerly 2913) 3(3-0)

Prerequisite: Junior or senior status.

Introduction to criminal investigation. Consideration of conduct at the crime scene, including the recognition, collection, and preservation of the various types of evidence. Fundamentals of the interview, interrogations, the use of informants, and surveillance techniques. Particular attention to the identification of the various elements of specific offenses.

4133. Public Administration 3(3-0)

Prerequisite: Junior or senior status.

Examination of the basic principles involved in the administration and execution of public policy in the criminal justice system. Includes such topics as organizational theory, personnel management, budgetary procedures, and the politics of administration.

4213. Criminal Law 3(3-0)

Prerequisite: Junior or senior status.

Examination of the purpose and goals of criminal law and a study of the historic development of its basic concepts. Study of the substantive criminal law with emphasis on the Texas Penal Code. Analysis of recent court interpretations, as well as a comparison of federal and model codes as they relate to the penal law of the State of Texas.

4223. Criminal Procedures 3(3-0)

Prerequisites: CRJU 1113, 2213 or 2223, and junior or senior status.

A study of the procedural laws of the State of Texas with particular attention to the provisions of the Code of Criminal Procedure. Study and analysis of constitutional and other limitations, court interpretation and recent Federal statutory provisions as they relate to criminal procedure.

4233. Constitutional Law for the Criminal Justice Practitioner 3(3-0)

Prerequisite: Junior or senior status or consent of the instructor.

The development and interpretation of select Amendments of the United States Constitution specific to the criminal justice practitioner.

4253. Comparative Criminal Justice Systems 3(3-0)

Prerequisites: 9 hours of criminal justice and junior or senior status.

A comparative study of criminal justice systems, with particular attention to their development, present structures and their influences on American criminal justice. May be repeated as topics vary.

4263. Correctional Counseling 3(3-0)

Prerequisites: Twelve hours of CRJU courses (major disciplines other than criminal justice by permission of instructor).

This course examines various treatment modalities as they may be applied by correctional practitioners in the course of carrying out the sentence of the court. Course includes strategies for interviewing and dealing with difficult offenders. These theories are the foundation for the changes that are desired in the "correcting" of deviant criminal behaviors.

4333. Contemporary Correctional Issues 3(3-0)

Prerequisites: CRJU 1113, 2223 or 2243, and junior or senior status.

This course is designed to address various concerns affecting efficient delivery of

services involving convicted criminal offenders. Special emphasis is given to utilization of guest expert practitioners in the field to facilitate understanding of some of the difficult contemporary problems in the corrections profession.

4773. Internship in Criminal Justice 3 semester hours

Prerequisites: Criminal justice major and junior or senior status.

Field experience in selected criminal justice agencies. May be repeated for credit up to six hours.

4901. Problems in Criminal Justice 1(1-0)

Prerequisites: 12 hours of criminal justice or consent of the college dean.

Supervised reading in the field of criminal justice.

4902. Problems in Criminal Justice 2(2-0)

Prerequisites: 12 hours of criminal justice or consent of the college dean.

Supervised reading in the field of criminal justice.

4903. Problems in Criminal Justice 3(3-0)

Prerequisites: 12 hours of criminal justice or consent of the college dean.

Supervised reading in the field of criminal justice. May be repeated for credit when topics vary.

4913. Issues in Criminal Justice 3(3-0)

Prerequisites: 12 hours of criminal justice or consent of the instructor.

Description and analysis of crucial issues relating to selected structures and processes in the criminal justice system; review and analysis of recent studies concerning criminal justice. May be repeated for credit when topics vary.

4923. Seminar in Criminal Justice 3(3-0)

Prerequisites: 12 hours in criminal justice or consent of the instructor.

Study and research of specific issues in the criminal justice system. May be repeated for credit when topics vary.

DENTAL HYGIENE

Barbara DeBois, Chair (Gaines Clinic, J.S. Bridwell Hall)

Associate Professor: Davis

Assistant Professors: DeBois, Crump, Curran

The Bachelor of Science in Dental Hygiene (127 semester hours)

The Dental Hygiene Department offers the Bachelor of Science in Dental Hygiene degree (BSDH). The curriculum consists of: (1) the dental hygiene prerequisite courses and the University core curriculum taken during the freshman and sophomore years (65 hours) and (2) the dental hygiene courses (62 hours) taken during the junior and senior years, after acceptance into the Dental Hygiene Program. Acceptance into the University does not constitute acceptance for admission into the Dental Hygiene Program. Entrance into the Dental Hygiene Program is competitive and limited to the number of clinical positions available in the M.S.U. Gaines Dental Hygiene Clinic (18). A new class is accepted each April for entry into the program the following fall semester.

The Dental Hygiene Program is accredited by the American Dental Association and the Texas State Board of Dental Examiners. Completion of degree requirements

enables the graduate to take the National Board Dental Hygiene Examination and the State Board Clinical/Jurisprudence Examinations for licensure. The Texas State Board of Dental Examiners has set out the guidelines and criteria on the eligibility of persons with criminal convictions, mental illness, chemical dependency, and/or infectious diseases to obtain a license as a registered dental hygienist. (Detailed information available from the Texas State Board of Dental Examiners - Rule 101.8 and 109.223.) The profession of dental hygiene is classified as a Category I level (high-risk) profession for bloodborne pathogens, per OSHA standards.

ADMISSION POLICIES

To be considered for admission, the following basic requirements must be met by candidates on or before April 1 (for the following fall's entering class):

1. Be eligible for admission to M.S.U.
2. Submit an application for admission to the Dental Hygiene Department and most recent transcripts depicting completed courses, as well as courses in progress. (Dental Hygiene applications are obtained from the Dental Hygiene Department office.)
3. Present a minimum cumulative GPA of 2.50 and a minimum science GPA of 2.25 for all semester hour credits attempted pertaining to the BSDH prerequisite and core academic courses.
4. Successfully complete the following courses prior to enrollment in dental hygiene major courses:

Dental Hygiene Prerequisites (21 semester hours)

BIOL 1134, 1234, 3004*

CHEM 1203

MATH - 3 hours college level (other than developmental)

KNES 2333 (Nutrition)

*** Note:** If BIOL 3004 (Microbiology) cannot be completed prior to enrollment in dental hygiene major courses, it must be taken prior to starting the second year in the Dental Hygiene Program.

Academic Foundations and Core Curriculum - (48 semester hours)

At least 33 hours of the core must be completed prior to entering the dental hygiene program.

ECON 1333 or 2333

ENGL 1113, 1123

Three hours Fine Arts

HIST 1133, 1233

SOCL 1133

Six hours Humanities

Kinesiology - 2 Activities

POLS 1333, 1433

PSYC 1103

SPCH 1133

General Degree Requirements: Demonstrate computer literacy by taking a proficiency test or earning credit for CMPS 1023 or BUAD 2153.

NOTE: If BIOL 3004 (Microbiology) cannot be completed prior to entering the dental hygiene program, at least 36 hours of the general academic core requirements must be completed.

ADMISSION PROCEDURES

Due to the limited availability of clinical positions, the selection process for admission into the dental hygiene program will be based upon, but not limited to:

GPA of prerequisite courses (cumulative and science)

Number of prerequisite and core courses completed and in progress

Previous dental-related experience

Dental Hygiene Program Application

PROGRESSION POLICY

Dental hygiene courses must be taken in the sequences prescribed. The lack of satisfactory completion of such courses in sequence will result in suspension from the program until the courses can be repeated. Requirements are as follows:

1. A student must attain a grade of 75 (C) or above in each of the dental hygiene major courses:
MAJOR REQUIREMENTS (62 semester hours) Dental Hygiene 3002, 3003, 3005, 3013, 3022, 3023, 3102, 3113, 3114, 3123, 4003, 4013, 4018, 4022, 4023, 4032, 4038, 4103.
2. Failure to attain a minimum grade of 75 in any course will prevent the student from progressing in the program - until the course(s) can be repeated. Dental hygiene courses are offered only once per academic year; therefore, failure of a course(s) will require a student to sit out for a full year.
3. A student who fails to achieve a grade of 75 in any of the dental hygiene courses may repeat the course only once. Failure to achieve a minimum grade of 75 when repeating a dental hygiene course results in dismissal from the program and the student may not reapply to this Dental Hygiene Program.
4. The BSDH Program Admissions Committee reserves the right to make exceptions to the above due to extenuating circumstances.

ADDITIONAL REQUIREMENTS

Prior to enrollment in Clinical Practice II (DNHY 3005), the student must provide documentation of:

1. Program approved student liability insurance.
2. Completion of physical examination.
3. Health insurance.
4. Compliance with state or program mandated immunizations.

Prior to enrollment in Clinical Practice III (DNHY 4018), the student must provide documentation of at least 40 hours of observation in a general practice dental office. Prior work experience can be utilized to meet this requirement.

COURSES IN DENTAL HYGIENE (DNHY)

3002. **Oral Radiology I** (formerly 3003, 3004, 2102) 2(2-0)

An in-depth introduction to dental radiography. Subject matter includes the history of dental x-rays; theoretical aspects of x-ray production, the x-ray machine; radiation protection; applications of dental x-ray film; normal radiographic anatomy; and patient education.

3003. Dental Hygiene II (formerly 3002) 3(3-0)

Prerequisites: DNHY 3113, 3114. Concurrent enrollment in DNHY 3005 (Clinical Practice II).

This course focuses on the fundamental knowledge base necessary to instruct dental patients in prevention of oral diseases with a study of professional and patient utilized plaque removal techniques and aids as they apply to various age groups of patients, use of fluorides, oral irrigation, care of hypersensitive teeth, and cleaning of dental appliances. An examination of common physical and psychological characteristics of various age groups with emphasis on how these might affect treatment, as well as content of patient education. Includes discussion and analysis of the patient/health-care provider relationship regarding ethical and legal responsibilities of each.

3005. Clinical Practice II (formerly 3006) 5(0-10)

Prerequisites: DNHY 3113, 3114. Concurrent enrollment in DNHY 3003.

Further development of skills acquired in prerequisite Clinical Practice course through treatment of clinical patients under close supervision of program faculty. Introduction and development of selective polishing procedures and practical application of professional methods utilized to clean dental appliances.

3013. Dental Materials 3(2-2)

Properties of the materials used in restorative dentistry and the influence of manipulation upon those properties as related to private practice.

3022. Histology (formerly 2003) 2(2-0)

Microscopic anatomy of the teeth and related oral structures. Subject matter includes an introduction to General Histology; the embryologic development of the face and oral cavity; development of teeth and their eruption; tooth enamel, dentin, cementum and pulp; periodontal ligament; salivary glands; dental caries; and the temporomandibular joint.

3023. Periodontology 3(3-0)

The study of the normal and pathological structures of the periodontium with emphasis on patient education by the hygienist for the prevention of periodontal disease and gingival problems. Includes information on various treatment modalities for management of periodontal disease.

3102. Oral Radiology II (formerly 3003, 3004) 2(1-2)

Prerequisite: DNHY 3002.

Hands on oral radiology; includes practical experience in both laboratory and clinical applications. Students gain experience in mounting and interpretation of dental radiographs. Also includes discussions of quality assurance in dental radiography, intra and extraoral film placement criteria, and principles of panoramic radiography.

3113. Dental Hygiene I (formerly 2014, 2113) 3(3-0)

Prerequisites: Admission procedures completed or consent of Dental Hygiene Department Chair. Concurrent enrollment in DNHY 3114 (Clinical Practice I).

Overall orientation to program, review of the history of the dental hygiene profession, discussion of institutional accreditation and individual licensing, and an introduction to the current dental health trends, issues, research, and legislation influencing the dental hygiene profession as well as the changing role of the dental hygienist. Emphasis is placed on a study of the prevention of disease transmission, content and rationale for comprehensive assessment of health, dental, and periodontal status; content and rationale for treatment plans and summaries; and instrumentation techniques and patient education based on the needs of the individual patient. This course must be

taken in conjunction with Clinical Practice I to achieve basic cognitive, psychomotor, and affective skills in patient care procedures

3114. Clinical Practice I (formerly 2012, 2013, 2114) 4(0-8)

Prerequisites: Admission procedures completed or consent of Dental Hygiene Department Chair. Concurrent enrollment in DNHY 3113.

Application of didactic instruction from the course Dental Hygiene I (DNHY 3113) with emphasis on application of the principles of infection control, acquiring skills to detect and remove calculus and other tooth deposits, and assessment and documentation of patients' medical, dental, and periodontal status. Laboratory practice on manikins and clinical experiences on selected patients (fellow classmates).

3123. Head, Neck, and Dental Anatomy (formerly 2004, 2123) 3(2-2)

Detailed anatomy of dental structures with special emphasis on human dentition in laboratory sessions through study and identification of extracted teeth. Identification of components of the temporomandibular joint as well as nomenclature, osteology, osteous landmarks, muscles, nerves, vascular supply and drainage, and glands of the head and neck region.

4003. Pathology 3(3-0)

Introduction to general pathology relating causative factors to clinical manifestations. Study of gross and microscopic lesions of the teeth and related oral tissues. Emphasis placed on degenerative changes, dental caries and its sequelae, periodontal disease, mucous membrane pathology, and neoplasia.

4013. Dental Health Education (formerly 4012) 3(3-0)

Prerequisites: DNHY 3003, 3005, 3023.

This course builds on previously learned knowledge by integrating it with the concepts of learning theory and applications, motivation, and the physical, mental, emotional, social, and moral development of various age groups. Emphasis is placed on the interrelationship of physical (general, as well as oral), psychological, social, and economic influences in compliance and noncompliance with preventive dental health programs, techniques, and aides. It explores the dental hygienist's role in the assessment of patient needs, planning treatment and patient education strategies, and then implementation and evaluation of these activities. Preparation of terminal and behavioral objectives, curriculum development, and preparation of lesson plans to be used in community projects in Dental Public Health.

4018. Clinical Practice III (formerly 3018) 8(0-16)

Prerequisites: DNHY 3114, 3005, 3102. Concurrent enrollment in DNHY 4023.

Clinical practice continued in the Gaines Dental Hygiene Clinic as well as extramural sites in the community. Further development of instrumentation and assessment skills acquired in prerequisite Clinical Practice courses on patients of a more difficult caliber. Introduction and development of techniques for pit and fissure sealant placement, ultrasonic scaling, periodontal scaling and root planing, and subgingival irrigation. Enhances proficiency in exposing, developing, and assessing dental radiographs taken on patients by providing clinical application of didactic and laboratory instruction from prerequisite course in oral radiology, under instructor supervision.

4022. Dental Public Health 2(2-0)

Prerequisite: DNHY 4013.

Theory, methodology, and application of the principles of public health in relating the significance of oral health to total health, with special emphasis on the role of the dental team in public health programs and the use of a basic systems approach to the development of any public health program.

4023. Dental Hygiene III (formerly 3012) 3(3-0)

Prerequisites: DNHY 3003, 3005, 3102. Concurrent enrollment in DNHY 4018 (Clinical Practice III).

A study of the rationale, indications and/or contraindications, and utilization techniques for various procedures including: pit and fissure sealants, ultrasonic scaling, periodontal scaling and root planing, and gingival curettage. The concepts of decision making are examined to assist students to develop responsibility and accountability for their actions. Recognition and management of life-threatening emergency situations are reviewed, with in-depth discussion of the etiological and/or precipitating factors, and the possible effects of these factors on the oral tissues. Emphasis is placed on the integration of this information with knowledge obtained in prerequisite courses to further develop skills in obtaining comprehensive patient medical histories. This course must be taken in conjunction with Clinical Practice III to achieve cognitive, psychomotor, and affective skills in patient care procedures covered.

4032. Dental Hygiene IV 2(2-0)

Prerequisites: DNHY 4023. Concurrent enrollment in DNHY 4038 (Clinical Practice IV).

A study of the rationale, indications and/or contraindications, and utilization techniques for air-powdered polishing units. CPR recertification and a general review of dental hygiene science, as needed in preparation for the National Board Examination. Preparation for the transition from the school setting to private practice dental offices with guest lecturers and discussions on new developments in patient care, resume writing and job interviewing, patient and personal insurance, and legal and ethical decisions facing health care providers. Other major concepts included are the political aspects of dental and dental hygiene care, decision making, responsibility, and accountability. The study of this content assists the students to develop responsibility for personal professional growth.

4038. Clinical Practice IV 8(0-16)

Prerequisites: DNHY 3114, 3005, 4018.

Clinical practice continued in the Gaines Dental Hygiene Clinic as well as extra-mural sites in the community. Practice in the use of more advanced treatment modalities. Further development of instrumentation and assessment skills with limited instructor assistance. The student will assume responsibility for all aspects of dental hygiene treatment for each of their clinical patients, with limited instructor input and supervision.

4103. Pharmacology (formerly 4002) 3(3-0)

Study and exercises concerning the general principles of pharmacology and of pharmaceuticals. Emphasis on pain relieving drugs, antibiotics, and the anesthetics used in dentistry. Includes nitrous oxide - oxygen conscious sedation and management of drug related emergencies.

HEALTH CARE MANAGEMENT

Russell Porter, Chair (Martin Hall 107)

Professor: Sportsman

Associate Professors: Burke, Porter, Roberts

Assistant Professors: Lockhart, Stiles

The program in health care management offers a minor for any major to prepare for entry level jobs in health facilities or health related organizations. A minor in health care management is also a superior foundation for graduate studies in health services administration.

MINOR IN HEALTH CARE MANAGEMENT

The requirements for the minor in health care management are as follows:

Major Program (See respective major area)

Program Requirements:

Core (15 Hours)

HCMA 3013, 3023, 4003, 4013, 4023

Electives (3 Hours – Choose One)

HCMA 4033, 4043, 4053

COURSES IN HEALTH CARE MANAGEMENT (HCMA)

3013. Health Services Organizations 3(3-0)

This is a survey course on existing and proposed forms of health services organizations. The continuum of care, forms of traditional health care and alternative forms of health care are covered.

3023. Health Care Management 3(3-0)

Examines the structure and functions of the American health care management industry, the concepts and processes of health care, and the individual providers of health services. Focus of learning is on management of departments in health care institutions in relation to management theory and organizational assessments.

4003. Health Care Reimbursement 3(3-0)

A practical study of functions in health care financial management. Emphasis on fiscal policies and internal control.

4013. Health Care Values 3(3-0)

Examines the process of providing health care in a complex culture. Focuses on the current policy and future value systems in health organizations.

4023. Epidemiology 3(3-0)

Introduction to principles employed in public health evaluation. Focus will be on conceptualization design, and procedures used in health management epidemiology.

4033. Long Term Care 3(3-0)

Focuses on knowledge and skills required in long term health care. Emphasis is on the long term care manager as a person who ensures appropriate living within a long term health care environment.

4043. Health Professions 3(3-0)

Examination of different health care personnel. Emphasis is on health care provider types required for specific care needs.

4053. Health Systems Practicum 3(3-0)

A field study oriented course that exposes health care management students to a specific health issue. Structured professor-student meetings are provided in conjunction with field work. Emphasis is on working with field site organization and solving a specific issue.

HEALTH SERVICES ADMINISTRATION

COURSES IN HEALTH SERVICES ADMINISTRATION (HSAD)

1001. Introduction to Health Sciences 1(1-0)

An introduction to professional career options in the health sciences. Provides opportunities for exploration of a variety of health disciplines to aid students in making career decisions. Begins development of the professional language of the health sciences as a foundation for understanding relevant literature.

4103. End of Life Care 3(3-0)

This course provides students from multiple health care disciplines the opportunity to explore issues related to end of life care. Topics to be emphasized include legal issues, standards of care, advanced care planning, assisted suicide/euthanasia, medical futility, gaps and barriers to good care, pathophysiological changes associated with death, holistic assessment, the normal grieving process, communication and decision-making, pain management, mental health management, and symptom control.

KINESIOLOGY

Steven Snowden, Chair (D.L. Ligon Hall 215)

Professor: Henderson

Associate Professors: Kilgore, Snowden

Assistant Professor: Haff

Instructors: B. Brown, D. Brown, Burks, Diehm, Elder, Ernsting, Fancher, Fowler, Griffin, Maskill, Middleton, Peetz, Post, Wiggins

Professors Emeriti: Dudley, Gillespie, Stockton

The department of kinesiology offers degree programs which prepare students for a variety of jobs in education, sport-related, and allied health fields. B.A. and B.S. degrees are available for students pursuing teacher certification or for those desiring a general degree in kinesiology. Teaching certificates may be obtained in all-level kinesiology. A B.S. with a major in Health Fitness Management is offered to students wishing to pursue careers in corporate fitness or sports administration. An Athletic Training major is offered for the individual desiring a career in sports medicine. An Exercise Physiology major is offered for the individual desiring a career in this allied health field.

BACHELOR OF SCIENCE AND BACHELOR OF ARTS WITH A MAJOR IN KINESIOLOGY

The requirements for the Bachelor of Arts and Bachelor of Science degrees with a major in kinesiology are as follows:

Academic Foundations and Core Curriculum - 48 semester hours (See page 101)

Bachelor of Arts (See page 102)

Bachelor of Science (See page 103)

Program Requirements**Major** (32-50 semester hours)**Kinesiology Core** (23 hours)

KNES 1011, 1053, 2213, 3603, 3653, 4103 or 4643, 4703, and two “majors only” activity courses beyond the university core requirement. Students should take BIOL 1134 and 1234, plus 3 hours from MATH 1053, 1203 or 1233 instead of the other options listed under the Academic Foundations.

Professional Emphasis (9-27 semester hours)

- **Non-certification:** Kinesiology Core (23 hours) and the following: KNES 4513, 15 hours KNES electives, nine of which must be advanced. Additional electives to meet the 124 hour requirement for graduation, if necessary.
- **Teacher certification:** Kinesiology Core (23 hours) and the following: KNES 4663, 4693 and 3 hours of one of the following: KNES 3363, 4033, 4513, or 4853. (See certification requirements, page 158)

Minor (25 semester hours)

KNES 1011, 1053, 3603, 3653, 4103, any two of the following, one of which must be advanced: 2353, 2403, 2413, 3363, 4033, 4643, and four activity courses (three of which must be for “majors only”).

HEALTH FITNESS MANAGEMENT MAJOR

The requirements for the Bachelor of Science degree with a major in Health Fitness Management are as follows:

Academic Foundations and Core Curriculum - 54-55 semester hours (See page 101)**Bachelor of Science** (See page 103)**Major** (44-48 semester hours)

Kinesiology Core (23 hours) and the following: KNES 2333, 2353, 4033, 4333, 4523, 4813, 4991 or 4993, and 4671 or 4673.

Minor - Health Fitness Management students must select a minor in either biology or business administration as follows:

BIOLOGY (22 semester hours) BIOL 1134, 1234, 3234, 3144, 3333, 3 hours advanced electives. Additional requirements: CHEM 1141, 1143, 1241, and 1243.

BUSINESS ADMINISTRATION (21 semester hours)* ACCT 2143, 2243, ECON 2433, FINC 3733, BUAD 3213, MGMT 3013, and MKTG 3723.

*NOTE: Students minoring in Business Administration should take ECON 2333 instead of the other options listed under the Academic Foundations. Students who have credit for a statistics course may take BUAD 3233 instead of BUAD 3213.

EXERCISE PHYSIOLOGY MAJOR

The requirements for the Bachelor of Science degree with a major in Exercise Physiology are as follows:

Academic Foundations and Core Curriculum - 54-55 semester hours (See page 101)

Bachelor of Science (See page 103)

Major (44 semester hours)

Kinesiology Core (23 hours) and the following: KNES 2333, 4033, 4103 or 4643, 4813, 4676. ENGL 3203 is also required.

Minor - Exercise Physiology students must select a minor in either biology or business computer information systems as follows:

BIOLOGY (21 semester hours) BIOL 1144, 1544, 3004, 3203, 3333, 4443

BUSINESS COMPUTER INFORMATION SYSTEMS (18 semester hours)
BUAD 3113, BCIS 4123, one approved programming language (C, C++, COBOL, Visual Basic, or Java), and three advanced BCIS courses approved by BCIS Department Chair. Students selecting this minor will need one additional 3 hour elective from any program.

ATHLETIC TRAINING MAJOR

The requirements for the Bachelor of Science degree with a major in Athletic Training are as follows:

Academic Foundations and Core Curriculum - 54-55 semester hours (See page 101)

Bachelor of Science (See page 103)

Major (53 semester hours)

Kinesiology Core (23 hours) and the following: KNES 1203, 2333, ATRN 1063, 3303, 3903, 4003, 4803, 4813 and 6 hours of clinical internship.

These classes are required as part of the bachelor's degree by Texas Licensure or National Athletic Trainer Certification. Upon completion of all course requirements, students apply for the State Board Examination and Licensure through the Texas Department of Health and for the National examination through the NATA Board of Certification.

REQUIREMENTS FOR INCOMING STUDENTS

1. Request admission into the program and fully complete the application form. Return the completed application form to the Curriculum Director. Send all official transcripts to MSU Admissions.
2. Apply for admission to the university and meet all admissions requirements.
3. The following will be reviewed for acceptance into the athletic training education program:
 - 1) Athletic training experience under ATC or LAT at the high school or college level is recommended but not required.
 - 2) Athletic experience while in high school or college if no training experience.

- 3) Good review of transcript and essay. Have some science and health background and have the desire to pursue athletic training as a profession.
 - 4) Three letters of recommendation from athletic trainers, coaches, physicians, physical therapists, or school administrators.
 - 5) Must be willing to work a variety of college sports.
 - 6) The first year as an athletic trainer is an observational period and no scholarships will be awarded at this time until the student has proven to be professional, interested in learning, and has the ability to work with other people.
 - 7) Must stay in good standing with the university and maintain at least a 2.0 overall GPA.
 - 8) Must set up a visitation to MSU through the curriculum director and/or the head athletic trainer.
 - 9) Outside work while acting as a student athletic trainer is highly discouraged and will not interfere with athletic training duties during athletic programs.
 - 10) **Must demonstrate professionalism and responsibility to the program, the department, the university, and yourself.**
4. Once all criteria are met and all paper work is completed and turned in, you will have the opportunity of becoming a student athletic trainer for the Midwestern State University Athletic Training Staff after the first year of observation has been completed.
 5. Deadline for making application into the program is the end of the first week of the fall semester.

ATHLETIC TRAINING EDUCATIONAL PROGRAM TECHNICAL STANDARDS FOR ADMISSION

The Athletic Training Educational Program at Midwestern State University is a rigorous and intense program that places specific requirements and demands on the students enrolled in the program. An objective of this program is to prepare graduates to enter a variety of employment settings and to render care to a wide spectrum of individuals engaged in physical activity. The technical standards set forth by the Athletic Training Educational Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency (Commission on Accreditation of Allied Health Education Programs [CAAHEP]). The following abilities and expectations must be met by all students admitted to the Athletic Training Educational Program. In the event a student is unable to fulfill these technical standards, with or without reasonable accommodation, the student will not be admitted into the program.

Compliance with the program's technical standards does not guarantee a student's eligibility for the NATABOC certification exam.

Candidates for selection to the Athletic Training Educational Program must demonstrate:

1. the mental capacity to assimilate, analyze, synthesize, integrate concepts and problem solve to formulate assessment and therapeutic judgments and to be able to distinguish deviations from the norm;
2. sufficient postural and neuromuscular control, sensory function, and coordination to perform appropriate physical examinations using accepted tech-

- niques; and accurately, safely and efficiently use equipment and materials during the assessment and treatment of patients;
3. the ability to communicate effectively and sensitively with patients and colleagues, including individuals from different cultural and social backgrounds; this includes, but is not limited to, the ability to establish rapport with patients and communicate judgments and treatment information effectively. Students must be able to understand and speak the English language at a level consistent with competent professional practice;
 4. the ability to record the physical examination results and a treatment plan clearly and accurately;
 5. the capacity to maintain composure and continue to function well during periods of high stress;
 6. the perseverance, diligence and commitment to complete the athletic training education program as outlined and sequenced;
 7. flexibility and the ability to adjust to changing situations and uncertainty in clinical situations; and
 8. affective skills and appropriate demeanor and rapport that relate to professional education and quality patient care.

Candidates for selection to the athletic training educational program will be required to verify they understand and meet these technical standards or that they believe that, with certain accommodations, they can meet the standards.

The Office of Disability Services will evaluate a student who states he/she could meet the program's technical standards with accommodation and confirm that the stated condition qualifies as a disability under applicable laws.

If a student states he/she can meet the technical standards with accommodation, then the University will determine whether it agrees that the student can meet the technical standards with reasonable accommodation; this includes a review as to whether the accommodations requested are reasonable, taking into account whether accommodation would jeopardize clinician/patient safety, or the educational process of the student or the institution, including all coursework, clinical experiences and internships deemed essential to graduation.

All students interested in the Athletic Training Educational Program must sign the agreement form in the Kinesiology Department Office in Ligon Hall.

ATHLETIC TRAINING APPLICATIONS

The intent of this application is to determine if the student applicant meets the standards set forth by the MSU Athletic Training Department for acceptance into the MSU Athletic Training Program.

All of the following must be achieved before the student is eligible for acceptance into the program:

1. Students must be enrolled at Midwestern State University for a minimum of one (1) year.
2. Be enrolled in and pass KNES 1063 with a B or better.
3. Be enrolled in and pass KNES 2213 and KNES 1203 with a B or better.
4. Student must have passed BIOL 1134 and 1234.
5. Student must complete 50 clock hours of observation during each semester of the student's freshman year.
6. Have on file a completed application into the MSU Athletic Training Program, along with three (3) letters of recommendation.

The staff of the Midwestern State University Athletic Training Department will use a point system in filling positions in the student athletic training area. The score sheet below will be used, as the top six scores will have first priority. If these spots are not filled, the department will look at the next highest score, until all six positions have been filled.

Each applicant for admission into the Athletic Training Education Program requires a minimum of 30 points.

Athletic Training Candidate Evaluation

1. Acceptance to MSU. (1 point)
2. Completed application and three letters of recommendation. (4 points)
3. Essay on becoming an athletic trainer. (1 point)
4. High school athletic training experience. (1 point per year - 4 max)
5. ACT/SAT (score):
 - a. 20 or 800-899 = 1 point
 - b. 22 or 900-1099 = 2 points
 - c. 26 or 1100-1199 = 3 points
 - d. 29 or 1200 and higher = 4 points
6. Related extracurricular activity. (1 point each for camp/workshop, SWATA, etc. - 4 max)
7. MSU Academics (Cum GPA):
 - a. 4.00 - 3.20 = 4 points
 - b. 3.19 - 2.75 = 3 points
 - c. 2.74 - 2.50 = 2 points
 - d. 2.49 - 2.00 = 1 point
8. MSU Athletic Training Prerequisites KNES 1063, 2213, 1203 and BIOL 1134, 1234. (A = 2 points, B = 1 point - 10 max)
9. Staff Trainer Interviews. (3 points each ATC - 12 max)
10. Observations. (1 point each - 2 max)
11. Current CPR & First Aid Certification. (1 point each - 2 max)
12. Membership to NATA & SWATA. (1 point each - 2 max)
13. All shot records up to date (1 point)

Possible point total - 51 max

Texas Licensure or National Athletic Trainer Certification requires the following courses be taken as part of the bachelor's degree: Kinesiology core (23 hours); KNES 1203, 2333, ATRN 1063, 3303, 3903, 4003, 4803, 4813, and 6 hours of clinical internship. Upon completion of all course requirements, students apply for the State Board Examination and Licensure through the Texas Department of Health and for the National examination through the NATA Board of Certification.

PROFESSIONAL DEVELOPMENT REQUIREMENTS

It is the philosophy of the faculty in kinesiology that opportunities for growth occur both in and out of the classroom. We strongly encourage the personal and professional growth of each student through involvement in diverse activities. Our mission is to provide a well-rounded education using a variety of methods and sources. To this end, each kinesiology major is expected to earn 10 professional development points during their tenure at Midwestern State University. Points may be earned through a variety of professionally oriented activities. These points must be earned prior to internship/student teaching. Points are available in areas such as; professional memberships or leadership, obtaining professional endorsements or certifications, community volunteer work, extracurricular educational activities, and sport and physical activity involvement.

ACTIVITY COURSES (KNES)**COEDUCATIONAL ACTIVITIES**

- 1002 **Archery**
- 1011 **Fundamentals of Physical Activity and Health** (internet course)
- 1022 **Bowling**
- 1032 **Varsity Sports**
- 1052 **Golf**
- 1062 **Conditioning Activities**
- 1082 ***Adapted Physical Education** (by permission only)
- 1092 **Dance Activities**
- 1102 **Sailing**
- 1112 **Jogging & Physical Fitness Appraisal**
- 1122 **Angling & Casting**
- 1132 **Tumbling**
- 1142 **Badminton**
- 1152 **Soccer**
- 1162 **Weight Training**
- 1172 **Softball**
- 1182 **Volleyball**
- 1192 **Flag Football**
- 1202 **Basketball**
- 1212 **Step Aerobics**
- 1242 **Sport Shooting**
- 1272 **Backpacking**
- 1292 **Walking and Aerobic Fitness**
- 1312 **Spinning**
- 1322 **Canoeing**
- 1342 **Beach Volleyball**
- 1402 **Racquetball**
- 1412 **Beginning Cycling**
- 1422 **Advanced Cycling**
- 1432 **Recreational Cycling**
- 1822 **Tennis**
- 1832 **Kickboxing Aerobics**
- 1852 **Fencing**

COURSES IN KINESIOLOGY (KNES)

- 1053. **Foundations of Kinesiology** 3(3-0)
 Philosophical, psychological, and sociological basis for sport and exercise including historical origins and the role of sport in modern society.
- 1203. **Contemporary Health Topics** 3(3-0)
 Prerequisites: Admission to Athletic Training Program and permission of instructor.
 Study of the physiological basis for health and disease with emphasis on current health topics including mental health, alcoholism, drug abuse, and social diseases.
- 2213. **First Aid and Safety** 3(3-0)
 Safety in the home, school, on the playground, and in traffic. Study of the physiology of injury and practice in first aid, bandaging, and care of common injuries. Students must pass a national CPR certification exam.

2333. Nutrition 3(3-0)

Prerequisites: One year of biology.

A directed study of the effects of diet on health and physical activity. Topics addressed include nutrient metabolism, weight control, health-related fitness, supplementation, pharmacology, and drug interactions. Same as BIOL 2333.

2353. Officiating 3(3-0)

Rules of selected sports, their interpretation, and the mechanics of sports officiating. The course is designed to develop the skills and knowledge required for admission to the Southwest Officials Association in football, basketball, and other sports.

2403. Fundamentals of Team Sports 3(3-0)

Study of a variety of team sports, focusing on coaching theories, practice organization, offensive and defensive strategies, skill progressions, and team management.

2413. Fundamentals of Individual Sports 3(3-0)

Study of a variety of individual and dual sports, focusing on coaching theories, practice organization, individual strategies, skill progressions, and team management.

3363. Motor Development (formerly 2363) 3(3-0)

Prerequisite: One semester of anatomy and physiology.

Motor and physical development from birth to adulthood, with an emphasis upon childhood. The course includes a study of the neurological, physiological, intellectual, social, and emotional factors that influence gross and fine movement abilities.

3603. Tests and Measurement 3(3-0)

Prerequisite: Three hours of math beyond 1003.

Study of wide variety of testing instruments for evaluating human health and performance. Study of descriptive statistical methods used in constructing tests, interpreting, and evaluating test results.

3653. Physiology of Exercise 3(2-2)

Prerequisites: BIOL 1134, 1234.

An investigation of the physiological principles basic to health and human performance, emphasizing skeletal muscle energy metabolism, muscular contraction, cardiovascular function, and oxygen transport. Includes active learning experiences demonstrating important physiological processes. Laboratory required.

4033. Sport Psychology 3(3-0)

An introduction into theory, research, and applications of the cognitive, emotional, and behavioral dynamics of sport, physical activity, and health.

4103. Mechanical Kinesiology 3(3-0)

Prerequisite: KNES 4643 or permission of instructor.

Study of forces which act on the human body and the effects which these forces produce. Practice in recognition and correction of incorrect movement patterns through cinematographic analysis.

4333. Outdoor Education 3(3-0)

Prerequisite: Permission of instructor.

Instruction and practice in sports not generally offered in traditional school programs such as sailing, canoeing, backpacking, camping, angling, and shooting.

4433. Cardiopulmonary Dynamics 3(3-0)

Prerequisite: Instructor consent.

The focus of this lecture course is to provide the student with a thorough understanding of cardiac electrophysiology and clinical hemodynamics. Emphasis is placed on rhythm recognition, and causes and treatments of common dysrhythmias. Other topics include advanced cardiac life support. (Same as RESP 4433.)

4513. Physical Activity for Exceptional Individuals 3(3-0)

A comprehensive study in planning and providing sport and exercise opportunities for individuals with physical, mental, and emotional disabilities. Sports and dance events, such as wheelchair sports and Special Olympics, will be included as well as a study of the kinesthetic and physiological differences of movement for handicapped individuals.

4523. Organizational Management in Health and Fitness Practice 3(3-0)

Prerequisite: Kinesiology majors of at least junior standing or by permission of instructor.

Study of selected concepts of administrative processes, systems, and styles with application to various fitness and allied health environments. Includes program, facility, fiscal, and personnel management.

4603. Research 3(0-6)

Prerequisites: Junior or senior standing in kinesiology and permission of instructor.

Research activities in faculty research efforts in biomechanics pedagogy or physiology.

4643. Anatomical Kinesiology 3(3-0)

Prerequisite: BIOL 1134 or concurrent enrollment.

The application of gross anatomy to the study of human movement. An emphasis will be placed on understanding the interrelated kinetics of normal and abnormal motions of the musculoskeletal system as they influence mobility and function.

4663. Fundamentals of Elementary Physical Education 3(2-2)

Prerequisites: Junior or senior standing and KNES 1011.

Study of the theoretical and practical knowledge and skills necessary to competently plan and implement developmentally appropriate physical education activities for elementary school students. The student will learn necessary planning and teaching methodologies, as well as skill progressions for fundamental motor skills. Lab required. Course required prior to all-level or elementary student teaching in kinesiology.

4671. Internship in Kinesiology 1 semester hour

Prerequisites: Major in kinesiology and permission of instructor.

Students must complete 48 hours of observation or work in an approved setting which offers professional experience in kinesiology.

4673. Internship in Kinesiology 3 semester hours

Prerequisites: Completion of 15 hours of major and permission of instructor.

Students must complete 144 hours work in an approved setting which offers professional experience in kinesiology.

4676. Internship in Kinesiology 6 semester hours

Prerequisites: Completion of 15 hours of major and permission of instructor.

Students must complete 288 hours in an approved setting which offers professional experience in kinesiology.

4693. Fundamentals of Secondary Physical Education 3(2-2)

Prerequisites: Junior or senior standing and KNES 1011.

Study of the theoretical and practical knowledge and skills necessary to competently plan and implement appropriate physical education activities for secondary school students. The student will implement appropriate physical education activities for secondary school students. The student will learn necessary planning and teaching methodologies, as well as rationale for providing non-traditional content at the secondary level. Lab required. Course required prior to secondary student teaching in kinesiology.

4703. Exercise Testing, Prescription, and Programming 3(2-2)
Prerequisites: KNES 2213, 3653.

A study of the benefits and risks of exercise testing in healthy populations, athletic populations, children, at risk individuals, and patients with cardiovascular and metabolic disease. A complementary focus of the course is the biological, mechanical, and behavioral aspects of prescribing and administering exercise programs to a variety of populations. Includes guided experiences with field-based and clinical test technologies.

4813. Therapeutic Exercise 3(3-0)
Prerequisites: KNES 4643 and permission of the instructor.

Theory and practice of methods of rehabilitating injured athletes and patients in order to return them to participation in exercise and sports in a safe and healthy manner. (Same as ATRN 4813.)

4853. Curriculum Development and Administration of Physical Education Programs 3(3-0)
Prerequisite: KNES 4663 or 4693.

Introduction of curriculum models based on philosophical statements, yearly programs, unit plans, and lesson plans. Selection of activities based on current trends, legislation, and community resources. Administrative aspects include budgeting, public relations, legal liability, and scheduling.

4991, 4992, 4993. Topics in Kinesiology 1-3 semester hours
Prerequisites: Junior or senior standing in kinesiology and consent of instructor.
Specialized studies in the scientific and applied areas of the exercise sciences.

COURSES IN ATHLETIC TRAINING (ATRN)

1063. Introduction to Athletic Training 3(3-0)
Introduction to the field of athletic training with emphasis on the history of the National Athletic Training Association, certification guidelines, policies and procedures, risk management, roles and responsibilities of athletic trainers, and common illnesses and injuries.

2801. Clinical Practicum 1 semester hour
Prerequisite: Permission of instructor.
A study of the training room, its practices, and procedures.

2901. Clinical Practicum 1 semester hour
Prerequisite: Permission of instructor.
A study of the training room, its practices and procedures.

3303. Care and Prevention of Athletic Injuries 3(3-0)
Prerequisite: KNES 2213.
Physical conditioning of athletes, diets, pre-seasonal medical examinations, treatment of athletic injuries, and common problems associated with the training of athletes.

3801. **Clinical Practicum** 1 semester hour
Prerequisite: Permission of instructor.
A study of the training room, its practices, and procedures.
3901. **Clinical Practicum** 1 semester hour
Prerequisite: Permission of instructor.
A study of the training room, its practices, and procedures.
3903. **Administration of Athletic Training** 3(3-0)
Prerequisite: Permission of instructor.
A professional preparation course where the student will learn the proper documentation involved with all aspects of operating an athletic training room. These will include S.O.A.P. notes, daily treatment logs, rehabilitation progress, insurance, and other related and necessary documentation.
4003. **Evaluation of Athletic Injuries** 3(3-0)
An allied health course in which the student will learn common evaluation techniques of athletic injuries as they relate to sports competition. The major course focus is evaluation of the head, spine, back, abdomen, and major joints of the body.
4801. **Clinical Practicum** 1 semester hour
Prerequisite: Permission of instructor.
A study of the training room, its practices, and procedures.
4803. **Therapeutic Modalities** 3(3-0)
Prerequisite: Permission of instructor.
An investigation into the physics, application, and purposes for the use of therapeutic modalities both in the athletic setting and in the clinical setting. Modalities will include ultrasound, electrical muscle stimulation, microcurrent, therapeutic heat, and cryokinetics.
4813. **Therapeutic Exercise** 3(3-0)
Prerequisites: KNES 4643 and permission of the instructor.
Theory and practice of methods of rehabilitating injured athletes and patients in order to return them to participation in exercise and sports in a safe and healthy manner. (Same as KNES 4813.)
4901. **Clinical Practicum** 1 semester hour
Prerequisite: Permission of instructor.
A study of the training room, its practices, and procedures.

NURSING

Deborah R. Garrison, Chair (J. S. Bridwell Hall 312)

Professor: Sportsman

Associate Professors: Garrison, Smith

Assistant Professors: Collins, Davis, Distel, Flanders, Greene,
Hawley, Jansen, Johnson, Lockhart, Mezzo, Morgan, Stewart

Professors Emeriti: Church, Inman, Tickle

MISSION STATEMENT FOR THE NURSING PROGRAM

It is the mission of the Nursing Department at Midwestern State University to prepare nurses who will provide competent and compassionate health care to individuals,

families, groups, and communities (IFGC). The nursing faculty values teaching/learning in an individualized, collegial environment inclusive of a variety of teaching methodologies. This approach to both undergraduate and graduate nursing education develops students as leaders through collaborative identification of issues, and the implementation of innovative, creative solutions to the provision of health services.

The department offers curricula leading to a Bachelor of Science in Nursing (BSN). These curricula include (1) a generic program for students who do not have a license to practice as a Registered Nurse, (2) an Allied Health/LVN to BSN program for those individuals who hold licensure as a licensed vocational/practical nurse, certification as a medical technician in the military, or certification as an EMT-Paramedic, and (3) the RN to BSN program for RNs who have graduated from hospital-based programs or who hold an associate degree in nursing.

These programs include general education courses that provide a foundation for understanding physiological, psychosocial, political and economic factors influencing a person's health status. The nursing courses prepare the BSN graduate to provide holistic nursing care in a variety of complex environments that will enhance the optimal health of individuals, families, groups, and communities.

The RN to BSN track is a flexible option designed to meet the needs of the working RN. Nursing classes are offered via distance learning methodologies with periodic visits to campus. Clinical experiences may be conducted in the geographical area in which the RN student resides.

The BSN program is fully accredited by the National League for Nursing Accrediting Commission and the Board of Nurse Examiners for the State of Texas. The program includes a total of 134 hours (66 hours nursing and 68 non-nursing hours) for the generic student, 129 hours for the Allied/Health to BSN student (61 hours nursing and 68 non-nursing hours), and a total of 124 hours in the RN/BSN track (58 nursing hours, including 30 hours awarded through the Articulation Agreement, and 66 non-nursing hours).

Upon completion of the program, the graduates (generic and Allied Health/LVN to BSN) are eligible to take the National Council Licensure Examinations for registered nurses (NCLEX-RN).

RECOMMENDATION FOR LICENSURE

University recommendation for application for RN licensure will be made upon satisfactory completion of the nursing curriculum.

BNE INFORMATION REGARDING ELIGIBILITY TO WRITE NCLEX

The Board of Nurse Examiners (BNE) for the State of Texas has established guidelines and criteria regarding the eligibility of persons with criminal convictions to obtain a license as a registered nurse. The BNE may refuse to admit persons to its licensure examinations, may refuse to issue a license or certificate of registration, or may refuse to issue a temporary permit to any individual who has been convicted of a felony, a misdemeanor involving moral turpitude, or engaged in conduct resulting in the revocation of probation imposed pursuant to such conviction.

The Board of Nurse Examiners for the State of Texas has established guidelines and criteria regarding the eligibility of persons with mental illness and/or chemical dependency to obtain a license as a registered nurse. The board may refuse to admit persons to its licensure examinations, may refuse to issue a license or certificate of registration, or may refuse to issue a temporary permit to any individual with lack of fitness

to practice by reason of mental illness or intemperate use of alcohol or drugs that could result in injury to patients or the public.

A student who has concerns in either of these areas is encouraged to file a declaratory order with the Board of Nurse Examiners (BNE) for the State of Texas early in their academic career. BNE investigations may take up to a year. Detailed information is available from the Board of Nurse Examiners for the State of Texas or the Chair for the Nursing Department.

ADMISSION INTO THE NURSING MAJOR (BSN, Generic)

The student must:

1. complete an application to the BSN Program;
2. have a cumulative GPA of 2.75 or better on a 4.0 scale prior to enrollment in NURS 3303 based on all semester hours applicable to the BSN degree;
3. complete the following courses before enrollment in NURS 3303: BIOL 1134 and 1234;
4. complete NURS 3103/NURS 3203 (pre/co-requisite for NURS 3303);
5. complete the following general education courses before enrollment in NURS 3307:

ENGL 1113 and 1123	PSYC 1103, 3233
MATH 1053 OR 1233	SOCL 1133
6. provide documentation of the following prior to enrollment in NURS 3307:
 - a. program approved student liability insurance;
 - b. completion of a physical examination;
 - c. health insurance;
 - d. compliance with state-mandated and program immunizations; and
 - e. CPR certification (adult, infant, child, and health-care provider).

NOTE: ADMISSION TO NURS 3303 CONSTITUTES FORMAL ADMISSION TO THE BSN PROGRAM (Generic). PROGRESSION TO NURS 3307 REQUIRES COMPLETION OF COURSES LISTED IN #5 ABOVE.

Major (66 semester hours)

NURS 3103, 3203, 3303, 3307, 3313, 3406, 3407, 3503, 4007, 4017, 4107, 4307, 4603

ADMISSION INTO THE NURSING MAJOR (Allied Health/LVN to BSN)

The student must:

1. complete an application to the BSN Program;
2. provide documentation of LVN/LPN licensure or certification as an EMT-Paramedic/Military Medical Technician;
3. have a cumulative GPA of 2.75 or better on a 4.0 scale prior to enrollment in NURS 3303 based on all semester hours applicable to the BSN degree;
4. complete the following courses before enrollment in NURS 3303: BIOL 1134 and 1234;
5. complete (or take concurrently) NURS 3203 prior to enrollment in NURS 3303;
6. complete the following general education courses before enrollment in NURS 3205:

ENGL 1113 and 1123	PSYC 1103, 3233
MATH 1053 OR 1233	SOCL 1133

7. provide documentation of the following prior to enrollment in NURS 3406:
 - a. program approved student liability insurance;
 - b. completion of a physical examination;
 - c. health insurance;
 - d. compliance with state-mandated and program immunizations; and
 - e. CPR certification (adult, infant, child, and health-care provider).

NOTE: ADMISSION TO NURS 3303 CONSTITUTES FORMAL ADMISSION TO THE BSN PROGRAM. PROGRESSION TO NURS 3205 REQUIRES COMPLETION OF COURSES LISTED IN #6 ABOVE.

Major (61 semester hours)

NURS 3203, 3205, 3303, 3313, 3406, 3407, 3503, 4007, 4017, 4107, 4307, 4603

ADMISSION INTO THE RN/BSN TRACK

The student must:

1. complete an application for admission to the BSN Program;
2. be licensed as a Registered Nurse (Texas or designated State);
3. have official transcripts from all colleges/universities and/or diploma school of nursing sent to MSU Admissions;
4. meet criteria established by the Student Affairs Standing Committee and meet TNA Articulation Agreement requirements (Detailed information may be obtained from the Chair for the Nursing Department.);
5. complete the following courses prior to NURS 3303:

BIOL 1134, 1234 and 3004	MATH 1053 OR 1233
Chemistry 3 hours	SOCL 1133
ENGL 1113 and 1123	PSYC 1103, 3233
6. complete (or take concurrently) NURS 3203 prior to enrollment in NURS 3303;
7. provide documentation of the following prior to enrollment in NURS 3303:
 - a. professional liability insurance;
 - b. completion of physical examination;
 - c. health insurance;
 - d. compliance with State or program mandated immunizations;
 - e. current licensure (GNs may be admitted to the RN/BSN track provisionally with the stipulation that they must pass NCLEX prior to completion of the NURS 3303 Assessment course. If they do not pass NCLEX, no further progression in the RN to BSN program will be permitted until successful completion of NCLEX is accomplished.); and
 - f. CPR certification (adult, infant, child, and health-care provider).

NOTE: ADMISSION TO NURS 3303 CONSTITUTES FORMAL ADMISSION TO THE BSN PROGRAM.

Major (28 semester hours excluding 30 hours awarded through the Articulation Agreement)

NURS 3203, 3303, 3503, 3705, 4107, 4307

ADDITIONAL REQUIREMENTS FOR THE BSN DEGREE (Generic)

CMPS 1023, EDUC 1023, or BUAD 2153 or competency exam
 ECON 1333 or 2333
 Fine Arts 3 hours

HIST 1133 and 1233

Humanities 6 hours

Any 2 different Kinesiology activity courses

POLS 1333 and 1433

PSYC 3313 or equivalent

Speech Communication 3 hours

Satisfactory completion of the English Usage Exam

**ADDITIONAL REQUIREMENTS FOR RN/BSN TRACK (See page 109
Special Academic Programs)**

TIME LIMITATIONS

BSN generic and Allied Health/LVN to BSN students must complete all clinical nursing courses within a 4.5 year period of time (9 long semesters) beginning with initial enrollment in NURS 3303.

RN/BSN track students must complete all nursing courses within a four-year period of time beginning with initial enrollment in NURS 3303.

TRANSFER POLICY

1. Transfer students must meet the admission requirements of the University and the BSN Program.
2. Progression requirements for these students are identical to those of the MSU BSN Program nursing students.
3. In addition, transfer students must meet the following requirements:
 - a. Nursing courses to be transferred were completed at a nationally accredited nursing program.
 - b. A grade of C or better was earned in all nursing courses and all science courses required by the MSU BSN Program.
 - c. A written statement from the Dean or Chair of the previous department to accompany the application form. The student must be in good academic standing and eligible for readmission to the program from which they are transferring.
 - d. Nursing courses the student would like to transfer into the MSU Nursing program must be submitted in a well-organized notebook to the Chair for the Nursing Department. The faculty will review the packet for equivalency to MSU nursing courses.
4. All potential transfer students are reviewed by the Student Affairs Standing Committee which will make recommendations regarding admission and placement
5. Transfer credit will be evaluated according to University policy.
6. Students planning to take general education courses at another college before transferring to the MSU BSN Program should seek guidance from the MSU Health Sciences and Human Services Counselor before enrolling in the courses to assure equivalency with MSU requirements.
7. MSU students who are progressing satisfactorily will be given priority for all classes. Transfer students will be considered on an "as available" basis.

READMISSION/REENTRY POLICY

1. A student seeking readmission will be evaluated on the basis of current criteria for admission and progression on a first qualified, first admitted basis.
2. A student who withdraws or has an interruption in his/her enrollment in nurs-

ing for any reason must petition the BSN Program's Student Affairs Committee in writing prior to re-enrollment. Individual interview with the committee may be required.

3. A student who receives a D or F in a nursing course (other than NURS 3203) must seek re-entry to the nursing program by petitioning the BSN Program's Student Affairs Committee in writing for consideration.
4. If the student receives a second D or F in a nursing course (other than NURS 3203), the student will be ineligible for re-enrollment or re-entry in this nursing program.
5. A transfer student with a prior nursing course failure from another nursing program who fails a course with similar content in MSU's BSN Program is ineligible for readmission.
6. A student who has not been enrolled in MSU's BSN Program for 3 or more years will be required to attain a satisfactory score on a comprehensive exam for each nursing course previously completed and demonstrate clinical competency in selected nursing procedures before readmission will be granted.

PROGRESSION POLICY FOR BSN GENERIC, ALLIED HEALTH/LVN TO BSN, AND RN/BSN TRACK

Students must maintain satisfactory standards in classroom and clinical activities to be retained and to progress in the program. Requirements are as follows:

1. A minimum grade of C is required in the following science courses: BIOL 1134 (A & P I); BIOL 1234 (A & P II); NURS 3203 (Pathophysiology); and BIOL 3004 (Micro) and chemistry. Failure to attain a minimum grade of C in these courses will prevent the student from progressing in the program. Additionally, the student must attain a minimum of C when repeating the course.
2. A minimum grade of C is required in all nursing courses. Failure to attain a minimum grade of C in these courses will prevent the student from progressing in the program. A student who fails to achieve a grade of C in any of the required nursing courses may repeat the course only once.
3. A student who is in the process of appealing a course grade through the Academic Appeals Committee may not enroll in any subsequent nursing courses for which the course under appeal is a prerequisite. If the student has early registered, then he/she will be administratively withdrawn from those courses.
4. A student who is formally admitted to the nursing program will not be permitted to progress beyond NURS 3303 if they do not successfully complete NURS 3203.
5. If any student withdraws from nursing courses and/or the University, he/she must petition the BSN Program's Student Affairs Committee in writing as to their intent prior to re-enrollment.
6. If a student is on University scholastic probation, they may not enter NURS 3303 or progress in the program.
7. Failure to achieve a minimum grade of C when repeating a nursing course results in dismissal from the program and thereby renders the student ineligible to apply to this nursing program.
8. Failure in any two (2) nursing courses renders the student ineligible for enrollment or re-enrollment in this nursing program.
9. The BSN Program's Student Affairs Committee reserves the right to make exceptions to the above due to compelling circumstances.

COURSES IN NURSING (NURS)**3103. Theories and Concepts: Introduction to Nursing** 3(3-0)

Prerequisite: Sophomore standing in nursing program.

This course is an introduction to major concepts of concern in the discipline of nursing: person, environment, nursing, and health. Nursing theories and ethical-legal principles related to professional nursing practice are studied. Also addressed are the concepts of critical thinking, communication, and cultural awareness in the context of nursing process.

3203. Pathophysiologic Process 3(3-0)

Prerequisites: BIOL 1134, 1234, 3004, and CHEM 1203.

The study of physiologic and psychosocial disorders with emphasis on dynamics of the altered state. Focus is on interpreting diagnostic tests and predicting pathophysiological adaptations which may occur as a result of these disorders.

3205. Theories and Concepts: Nursing Professional Foundations and Skills 5(4-3)

Prerequisites: Military technician, LVN/LPN, or EMT/Paramedic licensure/certification, BIOL 1134 and 1234, NURS 3203, 3303.

This course is an introduction to major concepts of concern in the discipline of nursing: person, environment, nursing, and health, coupled with the application of beginning theories and concepts fundamental to patient care throughout the life cycle. The role of the professional nurse as a provider of care, a coordinator of care, and a member of the profession is explored with emphasis on nursing theories and ethical-legal principles related to professional nursing practice. The nursing process is used to apply knowledge, critical thinking, and cultural awareness through demonstration of theory-based nursing care. Students in this course have a technical background in nursing/allied health and must demonstrate clinical skills competence in the campus laboratory setting.

3303. Theories and Concepts: Family Health Assessment 3(2-3)

Prerequisites: BIOL 1134 and 1234, Pre- or co-requisites: NURS 3103 (generic BSN); NURS 3203.

The focus of this course is on the assessment of the holistic person as an individual member of families, groups, and communities (IFGC). The role of the nurse in health promotion throughout the life cycle is explored by identifying normal findings. Emphasis will be placed on acquiring skills to record client histories, to perform physical assessments, and to communicate specific findings.

3307. Theories and Concepts: Basic Nursing 7(4-9)

Prerequisites: NURS 3203, 3303, ENGL 1113, 1123, MATH 1053 or 1233, PSYC 1103, and SOCL 1133.

The course emphasizes the application of beginning theories and concepts fundamental to patient care through the life cycle. In both campus laboratory and clinical experiences the student acquires basic cognitive and psychomotor skills. Students are introduced to the impact cultural diversity has on the outcome of patient care. The nursing process is used to apply knowledge and critical thinking through demonstration of theory-based patient care.

3313. Theories and Concepts: Pharmacology in Nursing Practice 3(3-0)

Prerequisites: NURS 3103, 3303, concurrent enrollment in or completion of NURS 3307 (NURS 3205 for Allied Health /LVN students).

Explores the nurse's role in relationship to the principles of pharmacology and

drug prototypes used to treat alterations or promote health in individuals, families, groups, and communities (IFGC) across the lifespan.

3406. Theories and Concepts: Mental Health Nursing 6(3-9)

Prerequisites: NURS 3313 and 3307 (generic) or 3205 (Allied Health/LVN).

Concepts and principles emphasized in this course pertain to communication, interpersonal relationship, and utilization of the nursing process in providing nursing care for clients manifesting psychosocial and/or psychiatric needs. Clinical and classroom discussions provide students with opportunities to develop a greater understanding of self, and to increase their ability in relating to individuals, families, groups, and communities (IFGC) in structured and non-structured settings.

3407. Theories and Concepts: Family Health Nursing I 7(4-9)

Prerequisites: NURS 3313 and 3307 (generic) or 3205 (Allied Health/LVN).

Application of theories and concepts across the span of adult life to include specific medical-surgical conditions. Emphasis will be placed on integrating previously learned cognitive, psychomotor, and affective knowledge in the holistic care of the individual client, his/her family, as well as groups and communities (IFGC), through application of the nursing process.

3503. Theories and Concepts: Nursing Research 3(3-0)

Prerequisites: Undergraduate statistics course; NURS 3307 (generic) or 3205 (Allied Health/LVN).

Basic concepts of research and related terminology are studied. Steps involved in conducting useful and sound research studies are explored. Focus is on analysis and evaluation of research reports/studies as they apply to nursing practice.

3705. Theories and Concepts: Advanced Nursing Seminar 5(4-3)

Prerequisite: NURS 3303.

Provides a foundational understanding of theories and concepts related to nursing practice coupled with topics and issues in medical-surgical, maternal-child health, and mental health nursing offered at an advanced level for the registered nurse student. Current health trends, issues, research, and legislation influencing professional nursing are investigated. The role of the professional nurse as a provider of care, a coordinator of care, and a member of the profession is explored with emphasis on the differences accompanying baccalaureate nursing education. Discussion includes topics relevant to clinical practice, research, and education; and will include ethical, legal, political, and cultural aspects of health care, decision making, responsibility, and accountability.

4007. Theories and Concepts: Family Health Nursing II 7(4-9)

Prerequisites: NURS 3406 and 3407.

Provides a continuation of the application of theories and concepts across the span of adult life to include specific medical-surgical conditions. Emphasis is placed on integrating previously learned knowledge in more complex situations with the individual, his/her family, as well as groups and communities (IFGC), through application of the nursing process.

4017. Theories and Concepts: Family Health Nursing III 7(4-9)

Prerequisites: NURS 3406 and 3407.

The focus is on the application of theories and concepts used by the nurse to assist families to achieve their maximum potential. There is an emphasis on inter-relationships and intra-relationships as well as consideration of lifestyle and cultural diversity within individuals, families, groups, and communities (IFGC) during childbearing and child-rearing years. Reproductive processes, women's health issues, and pediatric con-

tent are explored. The spectrum of nursing roles within the context of a variety of health care settings along with the process of decision-making in health care is also explored.

4107. Theories and Concepts: Community Health Nursing 7(4-9)

Prerequisites: NURS 3705 (RN/BSN); NURS 4007 and 4017 (BSN Generic).

Students are exposed to a variety of settings where the nurse functions in the community. Concepts relevant to community health nursing of epidemiology, health promotion, health planning/teaching, cultural awareness, consumerism, legislation, and world health concerns are explored. Emphasis on planning and providing nursing care for individuals, families, groups, and communities (IFGC) is related to community assessment, health promotion/patient education, and primary-secondary-tertiary prevention.

4123. Statistics for the Health Sciences 3(3-0)

The focus of this course is to provide a statistics course specifically for health science majors using techniques and data structures relevant to clinical investigations. General topics include choosing correct procedures and using statistics to understand clinical data. Specific topics include but are not limited to study design, central tendency and variability, probability, repeated measures analysis of variance, data association and prediction, and evaluating diagnostic procedures.

4307. Theories and Concepts: Nursing Management 7(4-9)

Prerequisites: NURS 3705 (RN/BSN); NURS 4007 and 4017 (BSN Generic).

Emphasis is on the management of nursing care and the management of personnel in health care settings. Theories of management, leadership, economics, and change are explored including the varying patterns of health care delivery and strategies for implementation. Case management as a nursing role in a managed care environment and strategies for implementation of the role are explored including the assessment and evaluation of quality within an organization.

4403. Special Topics 3(1-3)

Prerequisite: Senior standing or consent of Chair of undergraduate nursing department.

Theoretical and/or clinical application of selected nurses issues.

4503. Selected Nursing Issues 3(3-0)

Prerequisite: Consent of instructor or Chair of undergraduate nursing department.

Selected nursing issues. To be conducted on an independent basis with the student and selected nursing faculty member. Issues may vary.

4603. Theories and Concepts: Clinical Decision Making 3(3-0)

Prerequisites: Senior standing, NURS 4007 and 4017; concurrent enrollment or completion of NURS 4107 and 4307.

This course is an application of clinical judgment skills. Emphasis is placed on integrating previously learned concepts and theories with the student in the role of coordinator of care. Critical thinking is applied in resolving actual clinical problems.

RADIOLOGIC SCIENCES

Nadia Bugg, Chair (J. S. Bridwell Hall 201F)

Professor: Bugg

Associate Professors: Morrison, Pearson, Phifer, Vealé, Wright

Assistant Professors: Comello, Killion

Professors Emeriti: Domi, Zembrod

Midwestern State University offers three separate programs in the Radiologic Sciences: An entry-level Associate of Applied Science in Radiologic Sciences; a post-certification Bachelor of Science in Radiologic Sciences; and, the only discipline specific Master of Science in Radiologic Sciences with majors in Radiologic Education and Radiologic Administration.

ASSOCIATE OF APPLIED SCIENCE IN RADIOLOGIC SCIENCES (72 semester hours)

The Radiologic Sciences entry-level AAS Program is designed to prepare students in 2 years for a career as a radiographer. At the successful completion of all program requirements, students may be eligible to take the national certification examination administered by the American Registry of Radiologic Technologists (ARRT). Additionally, graduates may be eligible for certification by the state of Texas as a Medical Radiologic Technologist.

The Joint Review Committee on Education in Radiologic Technology (JRCERT) currently accredits the AAS Program.

ADMISSION CRITERIA FOR THE AAS PROGRAM

1. Be eligible for admission to Midwestern State University.
2. Submit a program application to the Radiologic Sciences Department office.
3. Have a cumulative GPA of 2.0 or greater on all college-level work and be in good academic standing.
4. Complete BIOL1134 and BIOL1234 with a grade of C or better.
5. Complete all remediation requirements.

ADMISSION PROCEDURES FOR THE AAS PROGRAM

The professional phase of the AAS program begins in the fall semester. Applications will be accepted any time after March 1 for entrance into the program the following fall semester. Due to the limited availability of clinical sites, qualified applicants will be accepted only until the class is full.

For additional information on application procedures and admission requirements, visit the department website at: <http://hs2.mwsu.edu/radsci>

PROGRESSION POLICY FOR THE AAS PROGRAM

1. All professional (RADS) courses must be taken in the sequence prescribed.
2. A student must earn a C (2.0) or above in all professional courses.
3. Failure to attain a minimum grade of C in any professional course will prevent the student from progressing in the program until the course(s) can be repeated.

4. Prior to enrollment in RADS 2114 Clinical Education I, the student must provide documentation of:
 - a. Program approved student liability insurance
 - b. Compliance with state mandated immunizations
 - c. Completion of physical examination
 - d. Health insurance
 - e. CPR certification

CURRICULUM REQUIREMENTS FOR AAS PROGRAM

General Academic Courses (26 semester hours): BIOL 1134, 1234, ENGL 1113, 1123, College level math, Fine Arts/Humanities elective, PSYC 1103 or SOCL 1133, and CMPS 1023 or EDUC 1023 or BUAD 2153.

Major (46 semester hours): RADS 1012, 1223, 1312, 1413, 1423, 1513, 2112, 2114, 2123, 2215, 2224, 2232, 2315, 2332, 2711, and 2912.

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCES (130 semester hours)

The Bachelor of Science in Radiologic Sciences degree is a post-certification program designed to meet the unique needs of registered radiologic technologists currently working in the field. The program offers a variety of tracks designed to prepare students for advanced level examinations in specific modalities.

All BSRS courses are offered online as downloadable files or full Internet courses.

ADMISSION CRITERIA FOR THE BSRS PROGRAM

1. Meet all MSU admission requirements.
2. Have a cumulative GPA of 2.0 or higher.
3. Be certified by the ARRT, NMTCB, or be a second year student in an accredited Radiologic Sciences Program.
4. Document compliance with state mandated immunizations.
5. Have reliable Internet access and a working email address.
6. Submit a signed copy of the TASP Requirements Form for Distance Education Students.

ADMISSION PROCEDURES FOR THE BSRS PROGRAM

1. Submit all required admission materials to MSU Admissions.
2. Contact the Radiologic Sciences office for the name of your adviser.
3. Submit a working email address to your Radiologic Sciences adviser.
4. Request your PIN number from your adviser.
5. Complete the online BSRS Program Orientation, during the first semester.

ADVANCED PLACEMENT PROCEDURES

Technologists registered by the ARRT may receive 46 semester hours of credit for RADS 1012, 1223, 1312, 1413, 1423, 1513, 2112, 2114, 2123, 2215, 2224, 2232, 2315, 2332, 2711, and 2912 upon satisfactory completion of an advanced placement examination or graduation from an accredited Radiologic Sciences Program in Texas that has an articulation agreement with MSU.

Additional advanced standing credit is awarded to technologists certified in advanced registries. This credit is awarded as follows:

ARRT (T) – RADS 3313
ARRT (N) or NMTCB – RADS 3803
ARRT (M) – RADS 4753
ARRT (QM) – RADS 4623
ARRT (CV) – RADS 3413
ARRT (CT) – RADS 4783
ARRT (MR) – RADS 4743
ARRT (S) or ARDMS – RADS 4713

For additional information on application procedures, admission requirements or advanced placement procedures, visit the department website at: <http://hs2.mwsu.edu/radsci>

CURRICULUM REQUIREMENTS FOR THE BSRS PROGRAM

Academic Foundations and Core Curriculum for the BSRS degree (27 semester hours)

POLS 1333, 1433
ENGL 1113, 1123
HIST 1133, 1233
SPCH 1133 or 1233
College Level Math
CMPS 1023 or EDUC 1023 or BUAD 2153

Additional Basic Core for BSRS (6 semester hours)

Statistics
Elective – 3 hours

Additional 18 hours

Select from at least four of the following areas: social sciences, natural sciences, fine arts, speech communication, humanities, economics, and kinesiology. Three hours must be from the fine arts or humanities areas.

Major (79 semester hours)

RADS 1012, 1223, 1312, 1413, 1423, 1513, 2112, 2114, 2123, 2215, 2224, 2232, 2315, 2332, 2711, 2912, 3203, 3213, 3503, 3773, 4633, 4643, 4913, plus at least 12 semester hours from the following: 3023, 3313, 3413, 3803, 4433, 4513, 4523, 4623, 4713, 4723, 4733, 4743, 4753, 4763, 4773, 4783, 4813, 4823, 4833, 4903, and 4923.

Core Courses - Students take ALL of these BSRS Core Courses:

RADS 3203, 3213, 3503, 3773, 4633, 4643, 4913

PLUS courses in ONE of these tracts:

Radiologic Sciences Administration

RADS 4433, 4513, 4523, 4623

Quality Management

RADS 4433, 4513, 4623, 4763

Radiologic Sciences Education

RADS 4513, 4813, 4823, 4833

Mammography

RADS 4433, 4753, 4763, and one RADS elective course

Cardiovascular

RADS 4433, 4723, 4733, 4783

Computed Tomography

RADS 4433, 4723, 4733, 4783

Magnetic Resonance Imaging

RADS 4433, 4733, 4743, 4773

Or students may take the seven (7) Core Courses plus any combination of four (4) RADS Courses.

COURSES IN RADIOLOGIC SCIENCES (RADS)**1012. Introduction to Radiography** 2(2-0)

Prerequisite: Admission to the program.

This course includes the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the program and the health care system. Learning Outcomes: The student will define basic medical terms; exhibit ethical and legal standards; demonstrate basic radiation protection practices; and relate the role of radiography to health care. (WECM = RADR 1201)

1223. Patient Care 3(2-2)

Prerequisite: RADS 2224.

A course in patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology. Learning Outcomes: The student will correctly assess patient conditions; demonstrate accepted infection control and general safety practices; respond appropriately to emergency situations; practice effective communication skills; and identify pertinent pharmaceuticals and their applications. (WECM = RADR 1303)

1312. Principles of Radiographic Imaging I 2(1-2)

Prerequisite: Admission to the program.

This course will analyze radiographic image qualities and the effects of exposure variables upon these qualities. Learning Outcomes: The student will define, recognize, and evaluate qualities of the radiographic image, and analyze the effects of exposure variables upon each image quality. (WECM = RADR 1213)

1413. Basic Radiographic Procedures 3(2-4)

Prerequisites: BIOL 1134 and 1234.

This course includes an introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of basic anatomy and related pathology. Learning Outcomes: The student will define radiographic positioning terms; manipulate equipment properly; position and align anatomical structure and equipment; and evaluate images for proper demonstration of anatomy and pathology. (WECM = RADR 1311)

1423. Intermediate Radiographic Procedures 3(2-4)

Prerequisite: RADS 1413.

A continuation of the study of the proper manipulation of radiographic equipment,

positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of intermediate anatomy and related pathology. Learning Outcomes: The student will manipulate equipment properly; position and align anatomical structure and equipment; and evaluate images for proper demonstration of anatomy and pathology. (WECM = RADR 2301)

1513. Radiographic Imaging Equipment 3(2-2)

Prerequisite: Admission to the program.

A study of the equipment and physics of x-ray production, basic x-ray circuits, and the relationship of equipment components to the imaging process. Learning Outcomes: The student will describe the equipment and physics of x-ray production; describe basic x-ray circuits; and relate equipment components to the imaging process. (WECM = RADR 2309)

2112. Radiation Biology and Protection 2(2-0)

Prerequisite: RADS 2232.

A study of the effects of radiation exposure on biological systems, typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure. Learning Outcomes: The student will describe the biophysical mechanisms of radiation damage and the somatic and genetic effects of radiation exposure on humans; state typical dose ranges for routine radiographic procedures; explain basic methods and instruments for radiation monitoring, detection and measurement; and apply appropriate radiation protection practices. (WECM = RADR 2213)

2114. Clinical I 4 semester hours

Prerequisites: RADS 1423 and 2224.

A method of instruction providing detailed education, training and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. Learning Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry. (WECM = RADR 1460)

2123. Principles of Radiographic Imaging II 3(2-2)

Prerequisite: RADS 1312.

A continuation of the study of radiographic imaging technique formulation, image quality assurance, and the synthesis of all variables in image production. Learning Outcomes: The student will formulate techniques to optimize image quality, minimize patient exposure, and preserve equipment; apply methods of image quality assurance, and adapt technical variables to changing conditions. (WECM = RADR 2305)

2215. Clinical II 5 semester hours

Prerequisite: RADS 2114.

A method of instruction providing detailed education, training and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be

repeated if topics and learning outcomes vary. Learning Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry. (WECM = RADR 2560)

2224. Advanced Radiographic Procedures 4(3-2)
Prerequisite: RADS 1413.

An advanced course including the proper manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of advanced anatomy and related pathology. Learning Outcomes: The student will master the manipulation of equipment; and evaluate images for proper demonstration of anatomy and pathology. (WECM = RADR 2431)

2232. Advanced Medical Imaging 2(2-0)
Prerequisite: RADS 2123.

An introduction to the use of computers in medical imaging and a survey of specialized imaging modalities. Learning Outcomes: The student will formulate techniques to optimize image quality, minimize patient exposure, and preserve equipment; apply methods of image quality assurance; and adapt technical variables to changing condition. (WECM = RADR 2233)

2315. Clinical III 5 semester hours
Prerequisite: RADS 2215.

A method of instruction providing detailed education, training and work-based experience and direct patient/client care, generally at a clinical site. Specific detailed learning objectives are developed for each course by the faculty. On-site clinical instruction, supervision, evaluation and placement is the responsibility of the college faculty. Clinical experiences are unpaid external learning experiences. Course may be repeated if topics and learning outcomes vary. Learning Outcomes: As outlined in the learning plan, the student will apply the theory, concepts, and skills involving specialized materials, equipment, procedures, regulation, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the particular occupation and the business/industry; demonstrate legal ethical behavior, safety practices, interpersonal and teamwork skills, communicating in the applicable language of the occupation and the business or industry. (WECM = RADR 2561)

2332. Radiologic Technology Seminar 2(2-0)
Prerequisites: RADS 2711 and 2912.

This is a capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning. Learning Outcomes: The student will synthesize professional knowledge, skills, and attitudes; demonstrate entry level competencies for professional employment; and demonstrate skills for lifelong learning. (WECM = RADR 2235)

2711. Radiographic Pathology 1(1-0)
Prerequisite: RADS 2224.

An overview of the disease process and common diseases and their appearance on medical images. Learning Outcomes: The student will classify types of diseases; explain the pathogenesis of common diseases; and identify the appearance of common diseases on medical images. (WECM = RADR 2117)

2912. Special Topics 2(2-0)

Prerequisite: RADS 2224.

Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. Learning Outcomes: The student will discuss the organization and structure of the modern day radiology department; explore the impact of emerging trends on the structure of the imaging department; and participate in problem solving and critical thinking activities. (WECM = RADR 1291)

2923. Special Problems (formerly 2423) 3(3-0)

Prerequisite: Consent of department chair.

This course includes directed studies in selected topics with emphasis on interests and needs of students. May be repeated once for credit.

3023. Advanced Medical Imaging Science 3(3-0)

Prerequisite: College level math.

This course includes a study of advanced physical principles of diagnostic radiology. Topics include x-ray generation, x-ray circuits, rectification, interactions, attenuation, filtration, beam restriction, and basic concepts related to digital imaging.

3203. Pathophysiology 3(3-0)

This course investigates general pathology and organ system pathology. It includes a brief review of normal structure and function, followed by more in-depth descriptions of specific pathologic processes. Students will use textbooks and Internet resources to learn the basic characteristics, etiology, pathogenesis, clinical features, diagnostic tools including medical imaging procedures, prognoses, and therapies for each of the specific pathologies. Virtual case study presentations are incorporated into this course.

3213. Advanced Clinical Practice Skills 3(3-0)

This course focuses on the current healthcare delivery environment including patient assessment and medical informatics. Advanced patient assessment and care skills such as pharmacology, monitoring, medical charting, and cross-cultural communication are incorporated in the curriculum. Advanced Cardiac Life Support (ACLS) certification will be required for course completion. Additional topics include an overview of considerations when working in an increasingly digital imaging environment.

3313. Radiation Therapy 3(3-0)

This course provides an overview of the clinical practice of radiation therapy. Discussions of radiobiology, treatment modalities, basic radiotherapy physics, and malignant disease processes are provided.

3413. Cardiovascular and Interventional Procedures 3(3-0)

This course includes a survey of cardiovascular and interventional radiologic procedures with an emphasis on the anatomy demonstrated, equipment used as well as the role and responsibilities of the radiographer. Included is a general discussion of the applications of a variety of imaging modalities.

3503. Research 3(3-0)

This course is an introduction to methods and techniques of research in the radiologic sciences. Topics include basic terminology of research, qualitative and quantitative methods, basic research designs, and data analysis techniques.

3773. Radiobiology 3(3-0)

Theories and principles of the interactions of ionizing radiation with living systems are the focus of this course. Radiation effects on biologic organisms and factors

affecting biological responses are explored and applied to daily practice. Topics include acute and long term effects of ionizing radiation exposure. The student will explore applications in diagnostic and therapeutic settings.

3803. Introduction to Nuclear Medicine Physics 3(3-0)

This course provides overview of nuclear medicine, with an emphasis on diagnostic radionuclide techniques within the context of medical imaging. The course will focus mainly on nuclear medicine procedures and how those procedures relate to the total context of diagnostic imaging.

4123. Statistics for the Health Sciences 3(3-0)

The focus of this course is to provide a statistics course specifically for health science majors using techniques and data structures relevant to clinical investigations. General topics include choosing correct procedures and using statistics to understand clinical data. Specific topics include but are not limited to study design, central tendency and variability, probability, repeated measures analysis of variance, data association and prediction, and evaluating diagnostic procedures.

4433. Practicum 3 semester hours

Prerequisite: Consent of program adviser.

This course includes intensive clinical assignments for students within a special interest area related to radiologic sciences.

4513. Administration and Supervision of Diagnostic Imaging 3(3-0)

A study of general principles of supervision and administration of radiology departments that includes such topics as management techniques, in-service training, human relations, as well as identification of administrative and supervisory problems and solutions.

4523. Pacs in Radiology 3(3-0)

This course investigates the use of picture archival and communications systems and its impact on healthcare. Topics include comparison of computer-based records to traditional film records, PACS impact on teleradiology, as well as the acquisition of a system, medical-legal, productivity, image compression, and image storage and retrieval issues.

4623. Radiographic Quality Control 3(3-0)

This course presents basic theories and principles related to the safe utilization of diagnostic radiographic equipment in a clinical setting. Theories and principles responsible for the production of quality radiographs with minimal patient exposure and production costs is a focus of the course. The student applies the theories and principles of safe radiation exposure by utilizing various strategies including projects and introductory laboratory experiments.

4633. Continuous Quality Improvement in Diagnostic Imaging 3(3-0)

This course is a study of the principles and methodologies of quality improvement. Comparison with traditional quality assurance are included as well as implementation standards to satisfy JCAHO. Students perform mind-set, departmental, and system evaluation, and use problem-solving techniques and tools to generate solutions to quality issues.

4643. Health Law in Medical Imaging 3(3-0)

This course is an introductory study of laws affecting medical imaging. Topics include administrative law, professional malpractice, patient rights, risk management, labor law, contract law, and ethical considerations.

4713. Medical Ultrasound 3(3-0)

A study of the physical and technical principles of medical ultrasound, that includes properties of ultrasound, transducers, modes of application, cross sectional anatomy, and techniques of medical diagnostic ultrasound applications.

4723. Principles of Computed Tomography 3(3-0)

This course explores the basic physical and technical principles of CT scanning. Computer technology, system components, image characteristics and quality control methods are introduced. Access to a CT scanner or instructor consent required.

4733. Sectional Anatomy 3(3-0)

This course is a study of human anatomy as viewed in sectional planes. Students will compare planar anatomy to sectional anatomy and recognize anatomical structures as seen in computed tomography and magnetic resonance imaging. Studies will include the cranium, brain, chest, abdomen, spine and pelvis.

4743. Magnetic Resonance Imaging 3(3-0)

This course explores the basic physical and technical principles of MRI scanning. Related clinical applications, system components, image characteristics, quality control methods, limitations, and future developments are introduced.

4753. Mammography 3(3-0)

The purpose of this course is to provide the technologist with guidelines for performing quality mammography examinations. Content includes the historical background of breast cancer and technical evolution of mammography, essentials of the "Imaging Chain", patient education, and introduction to quality assurance, troubleshooting, instrumentation and positioning.

4763. Mammographic Quality Practice 3(3-0)

This course introduces the student to the regulations established under the Mammography Quality Standards Acts of 1992 (MQSA), fully implemented in 1999. The focus of the course is based on MQSA principles and quality control procedures.

4773. Magnetic Resonance Imaging Applications 3(3-0)

This course provides a functional understanding of the basic MRI parameters and how they are used to image specific parts of the body in the axial, coronal, and sagittal planes. The focus of the course will be on MR sequences and presentation of anatomy and pathology.

4783. Computed Tomography Applications 3(3-0)

Prerequisites: RADS 4723, 4733.

This course focuses on the use of computed tomography as an imaging tool from the technologist's perspective. Topics include a review of patient, contrast media and adverse reactions, and imaging protocols for the head, neck, chest abdomen, pelvis, and spine. CT-guided interventional techniques will also be discussed. Access to a CT scanner or instructor consent required.

4813. Teaching Strategies in Radiologic Sciences 3(3-0)

This course enhances skills in teaching radiologic sciences by providing instruction in curriculum development, methods of instruction, and psychology of learning. Students learn how to develop performance objectives, organize a lesson plan, and effectively present a lesson.

4823. Student Teaching 3 semester hours

This course includes teaching activities under the supervision of an experienced educator in an accredited program of radiologic sciences.

4833. Evaluation Methods in Radiologic Sciences 3(3-0)

Prerequisite: RADS 4813.

This course provides instruction in test and measurement, analysis of tests results, and program evaluation based on accreditation standards.

4903. Selected Topics 3(3-0)

This course includes directed projects and intensive study of selected topics in radiologic sciences. May be repeated once for credit.

4913. Applied Research 3(3-0)

Prerequisite: RADS 3503.

This is a capstone course involving directed research culminating in a substantive paper based on the interest and needs of the student.

4923. Internship 3 semester hours

Prerequisites: 12 hours of advanced level radiologic science courses or consent of instructor.

This course enables students to gain experience in promotion of the radiologic sciences profession to staff technologists as well as the general public. Projects may include recruitment, public speaking and presentation techniques.

RESPIRATORY CARE

Annette O. Medford, Interim Chair (J.S. Bridwell Hall 301B)

Tammy Kurszewski, Interim Clinical Chair (J.S. Bridwell Hall 301D)

Associate Professor: Burke

Assistant Professor: Medford

Instructor: Kurszewski

The respiratory care department offers a curricula leading to a Bachelor of Science in Respiratory Care degree. Following completion of the BSRC program, the graduates are eligible to sit for the credentialing examination for the Registered Respiratory Therapist (RRT). Registered Respiratory Therapists (RRT) may be admitted to the program through advanced standing as defined in the policy set up by the department. The Committee on Accreditation for Respiratory Care accredits the BSRC program. The program consists of 129 total semester hours (68 semester hours in respiratory care and 61 non-respiratory care semester hours).

ADMISSION INTO THE RESPIRATORY CARE MAJOR (BSRC)

Admission in this policy refers to a formal evaluation of program prerequisites and other course work so that those students who gain formal admission can advance to the junior and senior level respiratory care courses. This policy should not be confused with freshman and sophomore students who are respiratory care majors. Being a respiratory care major does not imply or guarantee program admission. There are three status types: full, conditional, and denied. Full admission is granted to program admission applicants who have completed all program prerequisites and required academic foundation courses, are in good academic standing, and are ranked in the top 20 of candidates applying for admission. Conditional admission is granted to program applicants who have not completed but are presently enrolled in coursework that will complete the program prerequisites and required academic foundation courses, and are ranked in the top 20 of candidates applying for admission. Once a conditionally admitted student successfully completes the required coursework the admission status is automatically

upgraded to full admission. If the student who was conditionally admitted does not successfully complete the prerequisites, their conditional status is automatically changed to denied. Ranking is determined by GPA on the program prerequisites that a student has completed at the time of program application. The following rules apply to admission to the Respiratory Care Program.

1. Be admitted to the university.
2. Applications are obtained from the Respiratory Care Office, room 301 of Bridwell Hall.
3. Applications are available the beginning of the spring semester and are due in the Respiratory Care Office no later than March 1.
4. Admission only applies to the current academic year. Students who are granted admission and choose not to enroll must re-apply the next academic year.
5. All program prerequisites must be completed before taking any respiratory care classes. The program prerequisites are: Anatomy and Physiology I and II, Chemistry, College Algebra, Microbiology, Rhetoric and Composition I and II, computer applications, speech communication, general psychology or sociology. Any student who is admitted conditionally will automatically have his/her admission status changed to denied if they do not complete the program prerequisites.
6. All students with the full admission status will begin the respiratory care course work in the Summer II term. There are no exceptions to this rule; the curriculum is sequential and must be taken in a specific order.
7. The required academic foundation courses are humanities (6 hours), economics, American Government (6 hours), U.S. History to 1865, U.S. History Since 1865, fine arts and two kinesiology activity courses (see specific descriptions). Twenty-two of these 28 credits must be completed before taking any respiratory care classes. Any student who is admitted conditionally will automatically have his/her admission status changed to denied if the student does not complete at least 22 of the academic foundation credits before beginning the respiratory care courses.
8. All program prerequisites must be completed with a grade of C or better. A passing grade is required in all of the academic foundation credits before beginning the respiratory care courses.
9. The students' GPA on the program prerequisites they have completed at the time of application is used to rank all students being considered for admission. The top 20 candidates are admitted so long as they are in good academic standing and have completed the program prerequisites and required academic foundation classes.
10. Notification of admission is made in writing and requires an acceptance form returned to the Respiratory Care Department. By accepting the position the student agrees to the technical standards required to become a respiratory therapist that are stated in the letter awarding either full or conditional admission.
11. These rules are in place, in part, so that the student can complete all BSRC degree requirements 22 months from starting the respiratory care course work. With the degree requirements completed in May the students are in the best position to be successful when they sit for the registry examination following graduation.

TIME LIMITATIONS

BSRC degree students must complete all respiratory courses within a three (3) year period of time beginning with the initial enrollment into Foundations of Patient Care.

The Respiratory Care Department does offer a Registry-to-Baccalaureate-Degree program to sites distant to the Midwestern State University campus. The time limitations and specific policies for the distance course offerings are site specific and subject to change. Please consult the Department Chair for current information.

PROGRESSION POLICY FOR BSRC DEGREE

Students must maintain satisfactory standards in classroom and clinical activities to be retained and to progress in the program. Requirements are as follows:

1. A minimum grade of C is required for all the following courses:

BIOL 1134, 1234, 3004	CHEM 1103
PSYC 1103 or SOCL 1133	MATH 1233
ENGL 1113, 1123	CMPS 1023
SPCH 1133 or 1233	

Failure to attain a minimum grade of C in each of these courses will prevent the student from being formally admitted to Respiratory Care. All of the above courses must be completed before starting the respiratory care curriculum.

2. A minimum grade of C is required in all respiratory courses. Failure to attain a minimum grade of C in these courses will prevent the student from progressing in the program. A student who fails to achieve a grade of C in any respiratory care courses may repeat the course only once.
3. If the student withdraws from respiratory care courses and/or the University, he/she must go through the respiratory care admission process again.
4. A student on university scholastic probation may not enter or progress in the program.
5. Failure to achieve a minimum grade of C when repeating a respiratory care course will result in dismissal from the program and the student may not reapply to this respiratory care program.
6. As part of Clinical Practicum III, all students must pass a mock national certification examination. Students not passing the mock certification examination are required to pass a certification review course in summer II before the start of the senior year. Passing either the mock certification or the review course is required to enroll in the fall and spring senior respiratory courses.
7. The BSRC Program's Admission Committee reserves the right to make exceptions to the above due to extenuating circumstances.
8. Respiratory care courses must be taken in the sequence prescribed.

ACADEMIC FOUNDATIONS AND CORE CURRICULUM FOR THE BSRC DEGREE:

BIOL 1134, 1234, 3004	HUMANITIES - 6 semester hours
CHEM 1103	SPCH 1133 or 1233
PSYC 1103 or SOCL 1133	ECON 1333
KNES - 2 physical activities	HIST 1133, 1233
MATH 1233	POLS 1333, 1433
ENGL 1113, 1123	FINE ARTS - 3 semester hours

GENERAL DEGREE REQUIREMENTS: Demonstrate computer literacy by taking a proficiency test or earning credit for CMPS 1023, 1043, BUAD 2153, or EDUC 1023.

MAJOR (68 semester hours)

RESP 3403, 3413, 3423, 3433, 3443, 3512, 3523, 3543, 3552, 3553, 3561, 3712, 3722, 4102, 4123, 4223, 4403, 4422, 4423, 4432, 4433, 4443, 4453, 4463, 4711, 4722, 4732.

Registered Respiratory Therapist-to-BSRC Program

This program refers to transfer of previously obtained training in Respiratory Care into the MSU Respiratory Care program. This policy specifically applies to individuals who possess the RRT credential and wish to pursue the BSRC degree at MSU. To document the RRT credential, the student must submit a notarized copy of their NBRC registry certificate to the Respiratory Care Department Chair. In addition, the student will submit an official transcript to the university that documents the completion of the Registry level program. Prior to taking any MSU Respiratory Care courses, the student must have completed the following courses: College Algebra, Anatomy and Physiology I and II, Introductory Chemistry, Microbiology, Rhetoric and Composition I and II, Speech, Computer Applications, and General Psychology or Sociology. The department will grant the holder of the RRT credential 43 semester hours toward the 68 required Respiratory Care semester hours. This block transfer of credit will be granted once the student has successfully completed 9 semester hours of MSU Respiratory Care course work. The student may choose any combination of the following courses listed below that are marked with an asterisk (*).

- A minimum of 30 hours must be advanced level.
- A minimum of 32 hours must be taken from MSU to satisfy the residency requirement.

COURSES IN RESPIRATORY CARE (RESP)

3403. Foundations of Patient Care 3(3-0)

The focus of this lecture course is to introduce basic principles of patient care to the respiratory care student. Many of these principles apply to other health care disciplines. Topics include health care systems, patient and health provider safety, medical records, charting, ethical and legal implications, and components of a patient history and physical examination.

3413. Introduction to Respiratory Care 3(2-2)

Combined lecture and laboratory course focusing on basic procedures and techniques used by respiratory care practitioners. Emphasis is placed on correct set-up and application of the procedure and equipment. Topics include infection control, patient positioning, vital signs, breath sounds, chest assessment, oxygen therapy, aerosol drug delivery, and an introduction to pharmacology.

3423.* Physics and Respiratory Care 3(3-0)

The focus of this lecture course is on application of basic principles of physics to the respiratory and cardiovascular systems. Emphasis is placed on the physics of fluids and gases. Topics include force, work, pressure, Bernoulli's theorem, Venturi tubes, flow patterns, viscosity, gas laws, diffusion, surface tension, gas solubility, and the equation of motion applied to the respiratory system.

3433.* Cardiopulmonary Anatomy and Physiology 3(3-0)

The focus of this lecture course is on applied physiology of the respiratory and cardiovascular systems. Emphasis is placed on normal structure and function. Topics include mechanics of spontaneous breathing, pulmonary circulation, gas conduction and exchange, gas transport, cardiac output and its control, renin-angiotensin-aldosterone system, basic ECG analysis, the cardiac cycle, and acid-base balance.

3443. Basic Respiratory Therapeutics 3(3-0)

Prerequisites: RESP 3403, 3413.

The focus of this lecture course is on the theoretical application of the basic ther-

apeutic techniques used by respiratory care professionals. Topics include airway care, gas therapy, humidity and aerosol therapy, lung expansion therapy, chest physical therapy, and patterns of cardiopulmonary dysfunction.

3512. Therapeutic Procedures and Equipment 2(1-2)

Prerequisites: RESP 3403, 3413.

Combined lecture and laboratory class focusing on secretion removal, hyperinflation and an introduction to ventilatory support. Emphasis is placed on correct set-up and application of equipment and procedures. Topics include humidity and aerosol therapy, cough techniques, incentive spirometry, bedside pulmonary function testing, percussion and postural drainage, IPPB, manual resuscitation, arterial punctures, and venous access.

3523. Respiratory Pharmacology 3(3-0)

Prerequisites: RESP 3423, 3433.

The focus of this lecture course is a comprehensive review of the major medications used to: promote bronchodilation and pulmonary hygiene, control airway inflammation, affect skeletal muscle tone and central nervous system activity, and support the failing cardiovascular system.

3543. Adult Critical Care 3(3-0)

Prerequisites: RESP 3423, 3433, 3443, 3512.

The focus of this lecture course is a thorough review of ventilatory support techniques. Emphasis is placed on adult applications; however, some neonatal and pediatric support techniques are covered. Topics include etiology of respiratory failure, physical implications of positive pressure ventilation, methods of providing support, prescribing machine settings and managing the patient-ventilator system, hemodynamic and gas exchange monitoring, weaning techniques, and non-invasive applications.

3552. Adult Critical Care Procedures and Equipment 2(1-2)

Prerequisites: RESP 3423, 3433, 3443, 3512.

Combined lecture and laboratory course focusing on techniques and procedures used to support the adult patient in respiratory failure. Emphasis is placed on correct set-up and application of procedures and equipment. Topics include intubation and airway care, full and partial ventilatory support modes, patient-ventilator system checks, triggering, flow patterns, expired gas monitoring, and diagnostic and monitoring uses of the ECG.

3553.* Neonatal and Pediatric Respiratory Care 3(3-0)

Prerequisites: RESP 3423, 3433, 3443, 3512.

The focus of this lecture course is on the theoretical application of respiratory care to the pediatric and newborn patient. Topics include development of the pulmonary and cardiovascular systems, patient assessment, intrinsic lung diseases, congenital heart diseases, SIDS and apnea, applied pharmacotherapy, surfactant replacement therapy, and ventilatory support techniques.

3561. Neonatal Procedures and Equipment 1(0-2)

Prerequisites: RESP 3423, 3433, 3443, 3512.

Laboratory course focusing on techniques and procedures used to support the neonatal patient in respiratory failure. Emphasis is placed on correct set-up and application of the procedure and equipment. Topics include nasal CPAP, continuous flow IMV, neonatal intubation and airway care, ventilatory support, PEEP, inspiratory time and mean airway pressure therapy, vital signs, chest assessment, apgar scoring, and resuscitation of the newborn.

3712. Clinical Practicum I 2 semester hours

Prerequisites: RESP 3403, 3413.

All clinical courses require the student to integrate theory and laboratory training in the patient care setting. The focus of this clinical course is application of basic therapeutic techniques and procedures. Topics include medical records, charting, patient history and physical examination, infection control, patient positioning, vital signs, breath sounds, chest assessment, oxygen therapy, humidity and aerosol therapy, cough techniques, incentive spirometry, and percussion and postural drainage. Sixteen hours of clinical required each week.

3722. Clinical Practicum II 2 semester hours

Prerequisites: RESP 3443, 3512, 3712.

All clinical courses require the student to integrate theory and laboratory training in the patient care setting. The focus of this clinical course is IPPB, manual resuscitation, arterial punctures and venous access, basic pulmonary function testing, pediatric respiratory care, and an introduction to adult critical care. Sixteen hours of clinical required each week.

4102.* Clinical Patient Management 2(2-0)

Prerequisite: RESP 4463.

The focus of this lecture course is to train the student in the benefits and use of therapist-driven protocols. Topics include assessment skills and processing, SOAP charting, need for follow-up or reassessment, commonly used treatment protocols and diseases frequently treated with protocols. A case management format is used to simulate the clinical environment.

4123.* Statistics for the Health Science 3(3-0)

Prerequisite: Senior respiratory care student.

The focus of this course is to provide a statistics course specifically for health science majors using techniques and data structures relevant to clinical investigations. General topics include choosing correct procedures and using statistics to understand clinical data. Specific topics include but are not limited to; study design, central tendency and variability, probability, repeated measures analysis of variance, data association and prediction, and evaluating diagnostic procedures.

4223.* Education Theory and Practice 3(3-0)

Prerequisite: Senior respiratory care student.

The focus of this lecture course is to train the student in the basic processes of education. Emphasis is placed on classroom as well as a clinical instruction. Topics include learning styles, developing objectives, teaching methods, questioning and problem solving strategies, characteristics and roles of the clinical instructor, and use of appropriate evaluation instruments.

4403.* Pulmonary Diagnostics 3(3-0)

Prerequisites: RESP 3423, 3433.

The focus of this lecture course is the study of standard methodologies used to diagnose and monitor patients with pulmonary disease. Emphasis is placed on technical aspects as well as disease presentation. Topics include measurement and analysis of lung volumes, ventilation, pulmonary mechanics, gas distribution, diffusion testing, exercise testing, quality assurance, and blood gas analysis.

4422.* Rehabilitation and Health Promotion 2(2-0)

Prerequisite: Senior respiratory care student.

The focus of this lecture course is to educate the respiratory care student in the principles and practices used in pulmonary rehabilitation programs. Topics include

organization and management, candidate assessment and selection, patient and family education, smoking intervention techniques, role of home and alternate care sites, and reimbursement for services.

4423.* Research and Respiratory Care 3(3-0)

Prerequisite: Senior respiratory care student.

The focus of this lecture course is to instruct the respiratory care student in the role research plays in the practice of respiratory care. Quality improvement is used to emphasize the basic components of research. Topics include problem development, literature review, data analysis techniques and interpretation, institutional review boards, and communicating the results.

4432.* Theoretical Applications 2(2-0)

Prerequisite: Senior respiratory care student.

The focus of this lecture class is to provide the student with an assessment of his/her educational strengths and weaknesses with respect to the practice of respiratory care. Topics include an assessment of the following examinations; written registry, clinical simulations, and if time permits pulmonary function technology. Passing the Certified Respiratory Therapist (CRT) examination and mock written registry and clinical simulation examinations are required in this class.

4433.* Cardiopulmonary Dynamics 3(3-0)

Prerequisites: RESP 3543, 3552.

The focus of this lecture course is to provide the student with a thorough understanding of cardiac electrophysiology and clinical hemodynamics. Emphasis is placed on rhythm recognition, and causes and treatments of common dysrhythmias. Other topics include advanced cardiac life support.

4443.* Management of Health Care Services 3(3-0)

Prerequisite: Senior respiratory care student.

The focus of this lecture course is to introduce the student to managing health care services. Emphasis is placed on development of skills in leadership, communication, time management, problem solving, motivation, and other critical competencies. Topics include methods to achieve greater productivity, policy improvement, recruitment, selection, and training of new employees, as well as current issues facing the health care system.

4453.* Advanced Health Assessment 3(3-0)

Prerequisite: Senior respiratory care student.

The focus of this lecture course is to provide the student with advanced physical assessment skills. The assessment of the major organ systems commonly affected by or associated with pulmonary diseases are explored. Topics include detailed assessment of the chest and lungs, heart and great vessels, skin, head and neck, nose and throat, and emergency and life threatening situations.

4463.* Respiratory Pathophysiology 3(3-0)

Prerequisites: RESP 3523, 3543.

The focus of this lecture course is to review the etiology, pathology, pathophysiology, clinical features, and treatments for common pulmonary diseases. Disease topics include asthma, bronchitis, emphysema, cystic fibrosis, shock, pulmonary embolism, heart failure, smoke inhalation and burns, ARDS, chest trauma, atelectasis, neuromuscular disease, and pneumonia.

4473.* Clinical Hemodynamics 3(3-0)

Prerequisite: Senior respiratory care student or Registered Respiratory Therapist.

The focus of this lecture course is the technical and therapeutic use of hemodynamic monitoring in the critically ill patient. Topics include but are not limited to, arterial pressure, central venous pressure, pulmonary artery pressure, cardiac output, intracranial pressure, and hemodynamic profiles. Case studies are used to emphasize critical thinking and clinical significance.

4483.* Electrocardiography 3(3-0)

Prerequisite: Senior respiratory care student or Registered Respiratory Therapist.

The focus of this lecture course is the interpretation of the electrocardiogram. Topics include, but are not limited to, basic principles, waves and leads, axis and axis deviations, atrial and ventricular enlargement, rhythm disturbances, and myocardial ischemia and infarction.

4652.* Independent Study 2 semester hours

Prerequisite: Consent of chair.

The purpose of this course is to allow the student to pursue specific interest(s) within the field of respiratory care. Under faculty direction the student can participate in research, clinical experience, or other areas of directed study.

4653.* Independent Study 3 semester hours

Prerequisite: Consent of chair.

The purpose of this course is to allow the student to pursue specific interest(s) within the field of respiratory care. Under faculty direction the student can participate in research, clinical experience, or other areas of directed study.

4663.* Advanced Practice Problems 3 semester hours

Designed for advanced students to work in appropriate areas not otherwise available. May be taken twice for credit when topics vary.

4711. Clinical Practicum III 1 semester hour

Prerequisites: RESP 3553, 3561, 3722.

All clinical courses require the student to integrate theory and laboratory training in the patient care setting. The focus of this clinical course is the application of therapies, techniques and procedures to the newborn patient. Topics include aerosol drug delivery, pulmonary hygiene, nasal CPAP, continuous flow IMV, neonatal intubation and airway care, ventilatory support, PEEP, inspiratory time and mean airway pressure therapy, vital signs, chest assessment, apgar scoring, and resuscitation of the newborn. Eight hours of clinical required each week. Passing a mock CRT examination is required in this class.

4722. Clinical Practicum IV 2 semester hours

Prerequisite: RESP 4711.

All clinical courses require the student to integrate theory and laboratory training in the patient care setting. The focus of this clinical course is the application of therapies, techniques and procedures used to support the adult patient in respiratory failure. Topics include aerosol drug delivery, pulmonary hygiene, airway mucosa care, patient-ventilator system checks, prescribing machine settings, and managing the patient-ventilator system. Sixteen hours of clinical required each week.

4732. Clinical Practicum V 2 semester hours

Prerequisite: RESP 4722.

All clinical courses require the student to integrate theory and laboratory training in the patient care setting. The focus of this clinical course is the application of therapies, techniques and procedures used to support the adult patient in respiratory failure. Topics include hemodynamic and gas exchange monitoring, weaning techniques and

non-invasive applications, intubation and airway care, full and partial ventilatory support modes, cardiopulmonary resuscitation, and diagnostic and monitoring uses of the ECG. Sixteen hours of clinical required each week.

4803.* Internship in Respiratory Care

3 semester hours

Prerequisites: Clinical I, II, and III, B average in lecture and laboratory major classes and permission of the chair.

To allow respiratory care students to participate in and experience the practice of respiratory care in geographic areas other than Wichita Falls. Field sites are chosen on the basis of the continuum of care supplied, willingness to accept students, and completion of a clinical affiliation agreement. Students are responsible for making initial contact with field site, transportation, room and board, and any other costs of the field site experience.

SOCIAL WORK

Jan Walker, Chair (Martin Hall 104)

Professor: Fashimpar

Assistant Professors: Bisbee, Walker

A Bachelor of Social Work degree (BSW) prepares a student for entry level practice as a generalist practitioner. The Social Work Program at MSU offers (1) a broad liberal arts foundation; (2) grounding in knowledge from the behavioral and social sciences concerning the characteristics and behavior of individuals, families, groups, organizations, and communities; (3) the opportunity to integrate and apply the components of social work education in a rigorous field practicum; and (4) content and experiences relative to values and ethics as applied to special populations and self. The educational focus for generalist practice utilizes an ecological approach to integrate both treatment and growth through conceptualizing transactions between people and their physical and psychosocial systems in the environment. The program supports individual and social change predicated on a humanitarian and social justice philosophy.

The Social Work Program is accredited by the Council on Social Work Education at the baccalaureate level. There is no minor offered with the BSW degree and no social work credit is awarded for life experience. Graduates from the program are prepared for graduate study in social work or other disciplines where the baccalaureate degree would be appropriate preparation. BSW graduates are eligible to take the Texas State Board of Social Work Examiners test for Licensed Social Worker (LSW). Upon completing a 4000 hour counselor internship, BSW graduates are eligible to take the Licensed Chemical Dependency Counselor (LCDC) exam. The 400 hours of internship which all social work majors must complete can be applied toward the 4000 hour internship if the social work internship was in a chemical dependency treatment setting. Nine hours of specialized chemical dependency courses chosen from among SOWK 4413, 4323, 4333, 4343, or 4363 are the equivalent of the 135 classroom hours required for licensure by Texas Commission on Alcohol and Drug Abuse (TCADA).

Admission to the Social Work Program:

Students must have completed twenty-four (24) semester hours before applying for admission to the Social Work Program. This total includes the following courses: ENGL 1113 and 1123; PSYC 1103; SOCL 1133; HIST 1133 and 1233; and POLS 1333 and 1433.

Students desiring to major in social work should complete the Social Work Application for Admission form during the semester they take Introduction to Social Work. Other students (transfers, etc.) should complete this form immediately upon admission to the University. The Social Work Admissions Committee reviews the application and notifies the student by letter as to his/her acceptance or non-acceptance to the program. A personal interview with a social work faculty member to discuss educational needs and expectations of the Social Work Program should be scheduled as soon as possible after completion of the form. In addition to general undergraduate requirements, students must maintain at least a 2.0 GPA and demonstrate suitability for professional social work practice with knowledge and adherence to the NASW Code of Ethics.

Academic Foundations and Core Curriculum (56 hours) (see page 101)

Major (44 hours)

SOWK 2423, 2544, 2554, 3313, 3533, 3643, 3833, 3943, 3953, 4213, 4236, and 4246.

For all social work majors, additional program requirements, as listed below, must be completed.

A. Specific requirements in Academic Foundations Core.

SOCL 1133. Can be used to satisfy part of social environment requirement in Academic Foundations Core.

ECON 2333. Satisfies the Academic Foundations Core requirement in economics.

BIOL 2034. Satisfies part of the natural science requirement in the Academic Foundations Core.

Two semesters in one foreign language (Spanish preferred) satisfies the humanities part of Academic Foundations Core.

B. Additional required support courses. (21 hours)

PSYC 1103, 3603, or SOWK 4313 and ENGL 3203 or ENGL 3523

Four (4) courses chosen from the following of which at least three (3) should be from Social Work:

SOWK 3453, 4223, 4233, 4323, 4333, 4343, 4363, 4413, 4423

SOWK 4313 if not taken in place of PSYC 3603

CRJU 1113, 2243, 2913

C. Three (3) hours of additional electives

COURSES IN SOCIAL WORK (SOWK)

*** Only social work students may take courses marked with an asterisk.**

2423. Introduction to Social Work

3(3-0)

Prerequisite: SOCL 1133 or PSYC 1103.

This course is an introduction to the social work profession and is designed to assist students in clarifying and selecting social work as a major. It is required for all (but not limited to) social work majors and provides an overview of the profession's history, philosophy, values, ethics, knowledge base, skills, and areas of service. Generalist and social systems perspectives are emphasized as conceptual frameworks for practice. In addition, the course considers the institution of social welfare in contemporary American society, emphasizing human diversity and discusses policy and practice relevant to special populations. A 20-hour volunteer placement in a social service agency is required.

***2544. Human Behavior and the Social Environment I** 4 semester hours

Prerequisite: SOWK 2423 or concurrently with adviser's consent.

This course is a study of child development, beginning before conception and ending with early adolescence. Theories are presented on physical development, cognitive and social development, and emotional development. The many influences on child development within the context of family and their environment include the effects of diversity, oppression, discrimination, and social and economic injustice, and spirituality. A 40-hour practicum is required, 10-hours in each of four different agencies.

***2554. Human Behavior and the Social Environment II** 4 semester hours

Prerequisite: SOWK 2544.

This course focuses on the lifespan from adolescence through death. It builds on the knowledge of the life cycle from conception through adolescence, the basic understanding of terminology and processes regarding the social and psychological nature of humans, and on the understanding of social work values learned in Human Behavior and the Social Environment I. It provides a framework for understanding the individual, group, organizational, institutional, and cultural contexts which influence human behavior. A 40-hour practicum is required, 10-hours in each of four different agencies.

3313. Social Work Statistics 3(3-0)

Prerequisites: PSYC 1103, MATH 1003.

Introduction to descriptive and inferential statistics. Topics include data distributions, descriptive statistics, sampling distributions, interval estimation, one- and two-sample significant difference tests, one-way analysis of variance, correlation, and regression.

3453. Child Welfare Policy and Practice (formerly 2853) 3(3-0)

This course addresses the needs and problems (including abuse and neglect) of children and their families and considers possible solutions to these problems. Policies and practice issues are explored as they pertain to child welfare in diverse populations. The course is intended for students from a variety of disciplines.

***3533. Practice I** 3(3-0)

Prerequisite: SOWK 2423.

This course examines the theoretical base for generalist social work practice, the structure of the social work process, and the skills of assessment and intervention with emphasis on social work with individuals and families. Content includes women and minorities as well as ethnocultural factors.

***3643. Social Work Research** 3(3-0)

Prerequisites: 6 hours of social work and SOWK 3313 or consent of instructor.

This course is designed to familiarize the student with basic terminology of research, basic research design, methods for evaluating practice and social programs through qualitative and quantitative methods. It is also designed for the student to be able to read and analyze research reports, to relate research to issues in professional practice, to gain experience in performing both cognitive and practical tasks in research, and to increase awareness of potential biases in research, particularly in issues involving women and minorities.

***3833. Practice II** 3(3-0)

Prerequisite: SOWK 3533.

This course is designed to give students an understanding of group processes and to improve their skills as group members and leaders. The course provides an integration of group theory, research, and applied methods into the generalist practice model.

***3943. Social Welfare Policy** 3(3-0)

This course introduces substantive issues of social welfare policy in the United States. It presents an historical overview of major policies as responses to social problems, and it explores the role of social work in policy development, implementation, and analysis. Emphasis is placed upon the ways in which policy informs practice at micro, mezzo, and macro systemic levels and upon the importance of policy in work with special populations.

3953. Human Diversity 3(3-0)

This course provides content about differences and similarities in the experiences, needs, and beliefs of people. It provides theoretical content regarding differential assessment and intervention skills which will enable practitioners to serve diverse populations including minorities, multicultural, race, and ethnic groups, as well as socially and economically oppressed groups and populations-at-risk.

***4201, 4202, 4203. Special Projects** 1-3 semester hours

Prerequisites: 9 hours of social work.

Intensive study for the advanced student within a special area in the field of social work.

***4213. Practice III** 3(3-0)

Prerequisites: SOWK 3833, 3943.

This course is designed to give social work majors the opportunity to learn basic theory and techniques related to social work practice in macrosystems. Specifically, the focus will be on theory and techniques related to administration, planning, evaluation, and community organization.

4223. Family Systems 3(3-0)

This course focuses on the family life cycle and family development. Different theories regarding improvement of family functioning are covered such as structural problem solving and communication. Solution focused Bowens intergenerational systems theory.

4233. Parenting 3(3-0)

Students will learn to assess parenting skills using standardized tests, interviews and observations. The major theories regarding how to rear a mentally healthy and socially skilled child will be taught. These will include behavioral, adlerian and psychoanalytic. Attention will be given to the skilled social workers needs in order to manage certain family/parenting problems such as anger, family violence, chemical abuse, Attention Deficit Hyperactivity disorder, divorced and blended family parenting.

***4236. Field Practicum and Seminar I** 6 semester hours

Prerequisites: SOWK 3533 and 3833, senior standing, and consent of instructor.

Integration of theory into generalist practice through placement in community social service agencies for at least 200 hours. Micro practice experience will be emphasized in this placement. Course includes a weekly seminar. Students must secure liability insurance for all field work practicums.

***4246. Field Practicum and Seminar II** 6 semester hours

Prerequisites: Successful completion of Field Practicum and Seminar I and SOWK 4213.

Continuation of Field Practicum I. 200 hours per semester plus weekly seminar. Macro experiences will be included in Field II placement to enlarge the generalist practice experiences acquired in SOWK 4236.

4313. Community Mental Health

3(3-0)

This course utilizes the social work generalist practice approach to mental health services in communities. There is a strong emphasis on client empowerment and reducing the stigma of mental illness in our society. This is accomplished by examining society's response to mental illness, and examining the impact of this response on people that are affected by mental illness including special populations and families. (May be taken in place of PSYC 3603).

4323. Introduction to Substance Abuse

3(3-0)

This course will present an overall perspective on alcohol and drugs to include use, historical background, and current knowledge. The course will cover licit and illicit drugs, over-the-counter drugs, treatment, and legal issues associated with these drugs.

4333. Clinical Effects of Substance Abuse

3(3-0)

This course will present the physiological, psychological, and sociological aspects of substance abuse. Content includes aspects of family systems to include ethnocultural factors and relationships.

4343. Treatment Modalities in Substance Abuse

3(3-0)

This course will address self-help as well as other treatment modalities including inpatient and outpatient treatment. It will also give instruction on the use of community resources as adjuncts to treatment.

4363. Family Systems and Substance Abuse

3(3-0)

This course will present the different perspectives on the families and significant others of substance abusers. It will also include ethnocultural factors as well as women's issues.

4413. Employee Assistance Programs

3(3-0)

This course addresses the role of social work, employee assistance and human counselors in the work place. The ways in which organizations assist troubled employees will be the major focus of the course. Organizational efforts to help troubled employees with family, mental health, alcohol, drug, financial, or other personal problems will be examined as to their effects on employee functioning and productivity. Laws affecting the civil rights of workers, including the Americans with Disabilities Act, the Rehabilitation Act, and Equal Employment Opportunity are covered.

4423. Selected Topics in Social Work

3(3-0)

Intensive study and coverage of selected topics in social work. May be repeated for credit when topics vary.



COLLEGE OF LIBERAL ARTS

Michael L. Collins, Dean (O'Donohoe Hall 121)

MISSION STATEMENT FOR THE COLLEGE OF LIBERAL ARTS

The purpose of the College of Liberal Arts is threefold. First, the college provides for students throughout the university a broadly based liberal arts curriculum designed to empower them with the fundamental language and communication skills as well as the critical thinking skills necessary for a lifetime of learning and achievement. Secondly, the college offers general education courses in the modern languages, literature, history, philosophy, humanities, political science, sociology, and psychology, which provide a foundation of knowledge necessary in the development of those cultural and aesthetic values that enrich the individual and are essential for a meaningful and productive life. Lastly, the college affords preparation for careers in teaching and a wide range of further graduate and professional studies in fields such as English, history, political science, psychology, the law, the ministry, library science, and museum management.

The College of Liberal Arts offers majors, minors, programs, and courses in Applied Arts and Sciences, Biblical History and Literature, English, Foreign Languages, History, Humanities, International Studies, Philosophy, Political Science, Psychology, and Sociology.

BACHELOR OF APPLIED ARTS AND SCIENCES

J. David Martin, Director (Bea Wood Hall 122)

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<http://libarts.mwsu.edu/baas>

MISSION STATEMENT

The Bachelor of Applied Arts and Sciences (B.A.A.S.) degree is designed to offer students with workforce education, vocational-technical training and/or professional experience in occupational fields the opportunity to obtain a baccalaureate degree. Such experienced professional/vocational students may obtain credit toward this degree via accredited college-level course work and/or certain types of professional and educational training. Students who pursue the degree are required to complete the academic core requirements, thirty hours of advanced credit that is complementary to the vocational-technical or professional area, and any additional hours necessary to meet the 124-hour university requirement as stated in the catalog.

ADMISSION TO PROGRAM

The student must arrange a personal interview with the director before the student can be admitted to the B.A.A.S. degree program.

B.A.A.S. students are limited to not more than twenty-five percent of their total credit hours in courses transferable to a program in a school of business and not more than fifteen credit hours in business school courses completed at Midwestern State University. However, students may select a minor in Business Administration with the approval of the Dean of the College of Business Administration.

Students currently enrolled at Midwestern State University in a designated degree program who satisfy the intent of the mission statement and have at least a 2.75 g.p.a. will be allowed to transfer to the B.A.A.S. degree program. Exceptions to this policy will be considered on an individual basis by the B.A.A.S. Advisory Committee. In such cases, the student must submit to the committee an application accompanied by a letter of recommendation from an adviser in the student's previous major.

DEGREE REQUIREMENTS

The students must complete a baccalaureate degree plan from residence and transfer credit by meeting the requirements as follows:

The B.A.A.S. Program

Academic Foundations and Core Curriculum (see page 101)

Occupational Specialty (23-36 semester hours)

Credits toward an area of coherent specialization may be earned from junior or community colleges, this university and other senior institutions, workforce education, vocational or technical schools, armed forces schools, work experiences, and non-traditional learning experiences that can be equated to college credit. Credit for work experience is limited to a maximum of 6 semester hours based on a maximum of 2 hours for each year of successful qualifying experience related to the student's occupational specialty. Credit for non-traditional experiences is granted on the basis of evaluation by the Director and the B.A.A.S. Advisory Committee utilizing the National Guide of the American Council on Education and other appropriate publications. Documentation will be placed in the student's permanent file in the Office of the Registrar. A minimum of 24 semester hours in the area of occupational specialty must be completed before the student can be accepted into the program. Cognate vocational-technical courses may be accepted within the area of occupational specialty or professional development.

Professional Development (36 semester hours, 30 of which must be advanced and may include 6 hours of B.A.A.S. Internship)

The courses taken in this area will be chosen on the basis that they will give academic depth or breadth to the area of specialization or will provide substantive developmental knowledge for the student's career or personal goals.

B.A.A.S. Internships:

BAAS 3113. Internship

3(0-3)

Prerequisite: Junior standing.

Students will be assigned jobs that can be demonstrated to be an integral learning portion of their career development in approved employment situations. Students will be supervised by their employer and the Director of the B.A.A.S. program.

Applications for internship require the approval of the B.A.A.S. Director. Application for permission to enroll in the internship must be received by the Director no later than three weeks prior to registration. Each internship may be repeated once for additional credit up to a maximum of six semester hours of internship for the degree. B.A.A.S. students enrolled in the internship should keep a diary relating to the internship, noting the tasks undertaken and relating how they relate to employment and future career goals. From that diary, students should write an internship report of no less than five double spaced pages relating learning experience to career objectives. The report is due no later than one week before the end of the applicable term.

BIBLICAL HISTORY AND LITERATURE

Instructor: Lee

A maximum of 12 semester hours in religious studies may be counted as elective credit toward the bachelor's degree. Courses in religious studies are taught without regard to sect or creed. These courses are taught off-campus in campus ministry centers adjacent to the University.

COURSES IN BIBLICAL HISTORY AND LITERATURE (BIBL)

- | | |
|--|--------|
| 1133. Introduction to the Old Testament | 3(3-0) |
| A study of the history, literature, and teachings of the Old Testament. | |
| 1233. Introduction to the New Testament | 3(3-0) |
| A study of the history, literature, and teachings of the New Testament. | |
| 1333. Life and Teachings of Jesus | 3(3-0) |
| A study of the life, teachings, and significance of Jesus of Nazareth as can be determined from the four Gospels and related historical and archaeological data. | |

ENGLISH

Thomas W. Galbraith, Chair (Bea Wood Hall 216)

Professors: J. Hoggard, L. Hoggard, Johnson, Smith

Associate Professors: Galbraith, Hoffman, Rogers, Stewart, Taylor

Assistant Professors: Barnett, Fields, Henson, Olson

Instructors: Giddings, Green, Henschel, McNeely, Reynolds

Professors Emeriti: Brown, Campbell, Carpenter, Whitlock

English Usage Test. Passing the English usage test or passing English 2113 is required of all students seeking bachelor's degrees after the completion of 60 semester hours. The test consists of a 300-500 word essay written on one of several topics, and passage requires competence in each of three areas: (1) organization and development, (2) clarity, (3) mechanics. (See description of English 2113, page 254, and General Requirements for All Bachelor's Degrees, page 100.)

REQUIREMENTS FOR A MAJOR IN ENGLISH

The requirements for the degree of Bachelor of Arts with a major in English are as follows:

Academic Foundations and Core Curriculum (see page 101)**Program****Additional General**

At least a C average in lower-level English work

Major (30 semester hours exclusive of 1113 and 1123)

Six hours sophomore literature; three hours chosen from language courses 3513, 4513, 4523, 4753, 4763; three hours chosen from 3000 level courses; nine hours chosen from 4000 level courses; and nine hours English electives (excluding 2113)

Minor is to be selected from an area of interest approved by the chair of the department involved.

TEACHER CERTIFICATION IN ENGLISH

The requirements for a Bachelor of Arts degree **with Grades 8-12 Certification in English Language Arts and Reading** are found on page 150. The requirements for a Bachelor of Science in Interdisciplinary Studies **with Middle School English/Language Arts and Reading (4-8) Certification** are found on page 144.

REQUIREMENTS FOR A MINOR IN ENGLISH

Eighteen semester hours, exclusive of English 1113 and 1123, including six hours of sophomore literature; three hours chosen from language courses 3513, 4513, 4523, 4753, 4763; three hours from 3000 level courses; three hours chosen from 4000 level courses; and three hours English elective (excluding 2113).

REQUIREMENTS FOR A MINOR IN ENGLISH: WRITING EMPHASIS

Eighteen semester hours, exclusive of 1113 and 1123, including six hours of sophomore literature; three hours of either 4513 or 4523; and nine hours chosen from 3103, 3203, 3523 (3103 and 3523 may be repeated for credit).

The following list of undergraduate courses outlines the varying emphases offered by the English Department.

FRESHMAN ENGLISH

1113, 1123

SOPHOMORE LITERATURE

2413, 2423, 2613, 2623, 2813, 2823

Any of these courses can serve as a literature course in the core curriculum. See page 102.

WRITING COURSES

2113, 3103, 3203, 3523

GENERAL LITERATURE COURSES

3003, 3253, 3273, 3293, 3303, 3313, 3333, 3343, 3503, 3703, 3713, 3723

Any of these courses can substitute as a literature course in the core curriculum.

LANGUAGE AND LINGUISTICS COURSES

3513, 4513, 4523, 4753, 4763

THEORETICAL COURSES

3533, 4533

AMERICAN LITERATURE COURSES

4623, 4633, 4643, 4653

ENGLISH LITERATURE COURSES

4753, 4763, 4773, 4783, 4853, 4863, 4873, 4883, 4893

WORLD LITERATURE COURSES

4903, 4913, 4923, 4943, 4953

DIRECTED READING OR RESEARCH

4993

COURSES IN ENGLISH (ENGL)**1003. Introduction to College Composition** 3(3-0)

The process and practice of essay writing. Emphasis on correct word usage, spelling, punctuation, sentence structure, paragraph writing, and the whole essay.

Required of those who have failed the writing section of the TASP test, MSU Placement Test, or other approved state alternative test.*

1013. Introduction to College Reading 3(3-0)

The study and practice of reading comprehension through structure, meaning, and evaluation. Analysis of sentences, paragraphs, and whole pieces of writing. Attention given to making inferences, drawing conclusions, building vocabulary.

Required of those who have failed the reading section of the TASP test, MSU Placement Test, or other approved state alternative test.*

1023. Advanced Oral Skills for International Students 3(3-0)

This course is designed to assist international students in the development of fluency and accuracy in spoken English. The course provides instruction and practice in listening comprehension, pronunciation, stress, intonation, and conversation at the academic level in North American English.

1033. Advanced Grammar for International Students 3(3-0)

This course is designed to assist international students in the development of the English writing skills and fluency needed to be successful in academic subjects at the university level. The course includes a comprehensive look at sentence-level grammatical units.

1113. Rhetoric and Composition 3(3-0)

Prerequisites: Except as noted below,* a student must have met, or be exempt from on the basis of other examination scores, the reading and writing standards of the Texas Academic Skills Program (TASP), or the student must have passed the reading and writing sections of the MSU Placement Test.

Training in skills involved in the writing process through the composition of short essays and the reading of prose selections. At least one essay—including all steps in the composition process—will involve instruction and practice in computer-assisted writing and editing.

1123. Rhetoric and Composition

3(3-0)

Prerequisite: English 1113. Except as noted below,* no student who has on file a current failing score for the writing section of TASP may enroll in this course.

Continued training in skills involved in the writing process through composition and reading with the addition of particular skills needed for thoughtful research, including selection, analysis, integration, and documentation of both print and electronic sources. Preparation of a research paper of moderate length demonstrating these skills.

* State law allows a student who has taken and passed a developmental course and nonetheless fails the related section of the TASP test for a second time to enroll in a collegiate level course in the relevant skill area. If the student earns a *B* or better, he or she is not required to retake the failed section of TASP or to complete additional developmental work. Thus a student who has completed English 1003, with at least a *C*, but fails the writing section of the TASP test for a second time may enroll in English 1113. If, however, that student does not earn a *B* or better in 1113, he or she must re-enroll in English 1003 and may not take English 1123 until he or she has passed the writing section of TASP.

The English Department strongly urges students who fail TASP a second time to re-enroll immediately in the related developmental course rather than to risk failure in a collegiate level course for which they are most likely not yet prepared.

2113. Composition Skills

3(3-0)

Prerequisites: English 1123 and completion of 60 semester hours.

Skill in clear and forceful composition and in standard usage is the primary objective of the course. The course is required of those who have failed the English usage examination. May not be counted toward an English major or minor or toward English as a first or second teaching field or teaching emphasis.

2413. World Literature

3(3-0)

Prerequisite: English 1123.

A study of the masterpieces of Western world literature from Homer through the Renaissance.

2423. World Literature

3(3-0)

Prerequisite: English 1123.

A study of the masterpieces of Western world literature from the Enlightenment to the present.

2613. Survey of American Literature

3(3-0)

Prerequisite: English 1123.

Survey of American literature with emphasis upon historical background as well as upon important writers from the beginnings through the rise of realism.

2623. Survey of American Literature

3(3-0)

Prerequisite: English 1123.

Survey of American literature with emphasis upon historical background as well as important writers from realism to the present.

2813. Survey of English Literature

3(3-0)

Prerequisite: English 1123.

A survey of English literature from its seventh century beginnings through the neoclassical era. Emphasis is on the works of principal authors as they reflect literary and historical backgrounds.

2823. **Survey of English Literature** 3(3-0)
Prerequisite: English 1123.
A survey of English literature of the Romantic, Victorian, and Modern periods. Emphasis is on the works of principal authors as they reflect literary and historical backgrounds.
3003. **Folklore** 3(3-0)
Prerequisite: English 1123.
An examination of the development of folklore as an academic discipline and of the uses made of folklore in a variety of cultures.
3103. **Creative Writing** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Emphasis on the writing of fiction and poetry, the techniques and concerns of each. Ordinarily only one genre is dealt with in any given semester. May be repeated for credit with consent of instructor and chair.
3203. **Technical Writing** 3(3-0)
Prerequisite: English 1123.
The purposes and practice of expository writing in the professions, with particular emphasis on writing related to each student's major. Topics include audience analysis, technical editing, and elements of various types of technical reports. Each student will complete one major report as well as numerous shorter letters and reports.
3253. **Dramatic Literature** 3(3-0)
Prerequisite: English 1123.
A survey of major dramatic works in world literature.
3273. **Poetry** 3(3-0)
Prerequisite: English 1123.
Reading and analysis of selected poetry.
3293. **Short Story** 3(3-0)
Prerequisite: English 1123.
Reading and analysis of selected short stories.
3303. **Tragedy** 3(3-0)
Prerequisite: English 1123.
A study of the tragic view of man in literature from the classical Greeks to the present, including philosophical background.
3313. **Comedy** 3(3-0)
Prerequisite: English 1123.
A study of the comic vision of man in literature from the classical Greeks to the present, including philosophical background.
3333. **Satire** 3(3-0)
Prerequisite: English 1123.
Theory of satire and study of its application in representative literary works.
3343. **The Novel** 3(3-0)
Prerequisite: English 1123.
Reading and analysis of selected novels.

- 3503. Advanced Survey of Literature** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Instruction and practice in the written analysis of representative works from Western civilization with an emphasis on the major genres, especially poetry.
- 3513. Advanced Grammar** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Discussion and practice of techniques for the grammatical analysis of English sentence structures.
- 3523. Advanced Composition** 3(3-0)
Prerequisite: English 1123.
For those who want to improve their writing skills beyond the basic composition courses. Various forms of exposition will include articles, essays, reviews, abstracts, summaries, and investigative writing. Attention given to structure, diction, and sentence style. For students preparing for teaching, professional work, graduate study, or general communication. May be repeated for credit with consent of instructor and chair.
- 3533. The Theory of Composition** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The theory and practice of composition, including process, rhetorical, and thematic models and their relation to individual and group writing.
- 3703. Themes in American Literature and Life** 3(3-0)
Prerequisite: English 1123.
Thematic studies of the American literary, social, and cultural scene from the Puritans to the present.
- 3713. Contemporary American Literature and Life** 3(3-0)
Prerequisite: English 1123.
Contemporary American culture as reflected in American literature, social backgrounds, and the arts.
- 3723. Selected Studies in Literature** 3(3-0)
Prerequisite: English 1123.
Concentrated study of selected authors, genres, or themes. May be repeated for credit with changed content.
- 4513. History of the English Language** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The development of the sounds, forms, and structure of English and the implications of modern language problems.
- 4523. Introduction to Linguistics** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Methods and nature of language; the interlocking systems that make up language; methods of language analysis.
- 4533. Literary Criticism** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
A survey of historical and contemporary methods of literary criticism and their application to selected texts. Recommended especially for those intending to teach literature or pursue graduate study in English.

COURSES IN AMERICAN LITERATURE

4623. **American Romantic Movement** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Emphasis on the poetry and prose of Emerson, Thoreau, Poe, Hawthorne, Melville, and Whitman.
4633. **American Realism and Naturalism** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The realistic and naturalistic approaches in prose fiction with emphasis on Twain, Howells, James, Dreiser, Crane, and Norris.
4643. **Literature of the South and Southwest** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The patterns of Southern and Southwestern themes and culture as exhibited in the works of representative writers.
4653. **Modern American Literature** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
A survey of the major American prose writers and dramatists of the first part of the 20th century.

COURSES IN ENGLISH LITERATURE

4753. **Old English Language and Literature** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Language, literature, and world view of Anglo-Saxon England. Emphasis on Beowulf and the epic tradition.
4763. **Middle English Language and Literature** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Language, literature, and world view of medieval England. Emphasis on Chaucer.
4773. **Shakespeare** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Shakespeare's art and thought as seen in drama and poetry.
4783. **English Renaissance Period** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
Renaissance thought and culture as revealed by the poetry, prose, and drama of the age.
4853. **Eighteenth Century English Literature** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The literature and intellectual currents of the period with emphasis on Pope, Swift, and Johnson.
4863. **The English Romantic Period** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The literature and intellectual currents of the period with emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats.
4873. **The Victorian Period** 3(3-0)
Prerequisites: Six hours of English beyond 1123 or consent of chair.
The literature and major developments during the age of Tennyson, Browning, and Arnold.

4883. Twentieth Century English Literature 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

Authors and trends in English literature of the 20th century.

4893. The English Novel 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

Representative English novels with focus on the development of the genre, major themes, and techniques.

COURSES IN WORLD LITERATURE

4903. Selected Studies in Comparative Literature 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

Comparative study of selected authors or themes of different cultures or times as reflected in literature. May be repeated for credit with changed content.

4913. National Literatures in Translation 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

Selected topics and works in translation from one or more major national literatures. May be repeated for credit with changed content.

4923. Modern Poetry 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

Major voices in 20th century poetry with emphasis on Pound, Eliot, Williams, Frost, and Stevens.

4943. Modern World Literature 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

A survey of the major authors and trends in world literature of the first part of the 20th century.

4953. Contemporary Literature 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

A selective study of recent literature.

DIRECTED READING OR RESEARCH

4993. Directed Reading or Research 3 semester hours

Prerequisites: Six hours of advanced English, senior standing, and consent of chair.

Intensive study for the advanced student of a selected topic or area in language or literature. May be repeated once for credit.

PERKINS-PROTHRO DISTINGUISHED PROFESSOR OF ENGLISH

The Perkins-Prothro Distinguished Professorship of English was established in 2001 by the Perkins-Prothro Foundation to recognize truly outstanding scholarship in the College of Liberal Arts.

James M. Hoggard, the professor holding this position, is recognized in the literary arts for his regional and national achievements. Professor Hoggard came to Midwestern in 1966. The author of fifteen books and numerous stories, poems, essays, and translations published nationally and internationally, he has won awards for his teaching and writing. Among his honors are a National Endowment for the Arts

Creative Writing Fellowship grant, Hardin Professor of the Year award, The McMurtry Distinguished Professorship of English, the Texas Institute of Letters Short Story Award, the Soeurette Diehl Fraser Award for literary translation, finalist for the National Poetry Series competition, Texas Poet Laureate, the Stanley Walker Award for newspaper journalism, and citations of distinction in *The Best American Short Stories* and *The Yearbook of American Poetry* among others. He has also served two terms as president of The Texas Institute of Letters and is a former president of the Texas Association of Creative Writing Teachers. He has had seven of his plays produced, including two in New York. Among his books are *Medea in Taos & Other Poems*, *Riding The Wind & Other Tales*, *Elevator Man*, *Trotter Ross*, *Breaking An Indelicate Statue*, *The Shaper Poems*, *Two Gulls One Hawk*, *Eyesigns*, and six collections of translations, including *The Art of Dying*, *Love Breaks*, *Chronicle of My Worst Years*, *Stolen Verses & Other Poems*, *Alone Against the Sea: Poems from Cuba*, and *Splintered Silences*.

INTENSIVE ENGLISH LANGUAGE INSTITUTE

William L. White, Director (Mercantile Building 102)

Instructors: Barczyk, Blanchard, McNeely, Penrose, Reynolds, Tirpak, White

The Intensive English Language Institute (IELI) offers an intensive course of English language instruction to non-native speakers of English who want to increase their English language proficiency for personal, academic, or professional reasons. The IELI's academic program is divided into Advanced Beginner, Intermediate, and Advanced levels. Each level's curriculum includes classes in grammar, oral skills, composition, and reading. The IELI's courses are available to full-time, non-native speakers of English (F-1, J-1 visa) students and to members of the Wichita Falls community who wish to enhance their English language skills. Graduate and undergraduate Midwestern State University students who wish to improve their English language skills may enroll in English language courses through the English Department. (IELI courses available through University enrollment include ENGL 1003, ENGL 1013 (N1, N2 sections), ENGL 1023, and ENGL 1033.)

The purpose of the IELI curriculum is to provide quality instruction in English, academic skills, and American culture to individuals from a wide range of backgrounds and language experience. Courses are primarily content-based and help prepare students for university studies, life in the United States, and/or work in the American business community.

Admission to the IELI does not constitute admission to the University for purposes of enrolling in courses for academic credit.

FOREIGN LANGUAGE

Adalberto Garcia, Chair (Bea Wood Hall 116)

Professor: Hoggard

Associate Professors: Hollabaugh, A. Garcia, Fuertes-Manjon

Assistant Professors: McClintock, Montoya, Smith

Instructor: Donovan

Professors Emeriti: G. Garcia, Klein, Volk

Basic courses are offered in French, German, and Spanish. Spanish offers a major and a minor program. French offers a minor program. Students majoring or minoring in a foreign language may use foreign language literature survey courses to satisfy the

humanities and B.A. requirements in literature. Students seeking Teacher Certification in Spanish or French must pass a qualifying exam prior to being admitted to student teaching.

Proficiency Exams: Students may earn credit by passing an examination (with a grade of C or better) prior to registration which would allow them to enroll in advanced courses. See page 69 concerning Proficiency Exams and contact the chair for more information.

COURSES IN FRENCH (FREN)

The requirements for a minor in French are 12 semester hours beyond 2233.

The requirements for the degree of Bachelor of Arts with a teaching certificate may be found on page 150.

1134. Elementary French 4(4-0)

For students who have had no previous instruction in the language or have had one year of high school French. Emphasis is placed on patterns of French pronunciation and grammar as well as the acquisition of basic reading, writing, and conversational skills. One hour of laboratory practice per week is required.

1234. Elementary French 4(4-0)

Prerequisite: French 1134.

Continuation of French 1134. One hour of laboratory practice per week is required.

2133. Intermediate French 3(3-0)

Prerequisite: French 1234.

Detailed study of French grammatical structures and practice in speaking, understanding, reading, and writing in French.

2233. Intermediate French 3(3-0)

Prerequisite: French 2133.

Continuation of French 2133.

3133. Survey of French Literature 3(3-0)

Prerequisite: French 2233.

An historical survey of French literature of the Middle Ages, the Renaissance, and the Classical period.

3233. Survey of French Literature 3(3-0)

Prerequisite: French 2233.

An historical survey of French literature of the period of the Encyclopedists and Philosophes, of Romanticism and Realism, and of modern trends in French literature.

3333. French Conversation and Composition 3(3-0)

Prerequisite: French 2233.

Intensive practice in conversation aimed at attaining fluency. Class discussion of compositions to improve grammar and style.

4013. Topics in French Literature 3(3-0)

Prerequisite: French 2233.

Topics will vary and may include such subjects as French Literature and Film, French-English Translation Studies, French Short Story, and French Civilization. This course may be repeated for credit when topics vary.

4533. Selected Problems in French Literature

3 semester hours

Prerequisite: French 3133 or 3233.

For advanced students with consent of instructor. Special topics assigned for research and investigation.

COURSES IN GERMAN (GERM)**1134. Elementary German**

4(4-0)

For students who have had no previous instruction in the language or have had one year of high school German. Emphasis is placed on patterns of German pronunciation and grammar as well as the acquisition of basic reading, writing, and conversational skills. One hour per week of laboratory practice is required.

1234. Elementary German

4(4-0)

Prerequisite: German 1134.

Continuation of German 1134. One hour per week of laboratory practice is required.

2133. Intermediate German

3(3-0)

Prerequisite: German 1234.

A detailed study of German grammatical structures, synonyms, antonyms, and principles of composition. Study and use of the most common German idioms through conversation.

2233. Intermediate German

3(3-0)

Prerequisite: German 2133.

Continuation of German 2133.

SPANISH

The requirements for the Bachelor of Arts degree with a major in Spanish are as follows:

Academic Foundations and Core Curriculum (see page 101)**Program****Major** (24 semester hours at the advanced level)

Spanish 3013 or 3023; 3003; 3333; 6 hours from 3133, 3233, 3533, 3633; 4133 or 4233; and 6 hours of electives

Minor (18 semester hours at the advanced level)

Spanish 3013 or 3023; 3003, 3333; and 9 hours of electives

The requirements for the degree of Bachelor of Arts with a teaching certificate may be found on page 150.

COURSES IN SPANISH (SPAN)**1134. Elementary Spanish I**

4(4-0)

A beginning course in the development of fundamental speaking, listening, reading, and writing skills in the Spanish language and an introduction to Hispanic cultures. One hour of laboratory practice per week is required.

1234. **Elementary Spanish II** 4(4-0)
Prerequisite: Spanish 1134.
Continuation of Spanish 1134. One hour of laboratory practice per week is required.
2133. **Intermediate Spanish I** 3(3-0)
Prerequisite: Spanish 1234.
Continued development of language skills. Grammar review and study of Hispanic cultures. Weekly lab practice required.
2233. **Intermediate Spanish II** 3(3-0)
Prerequisite: Spanish 2133.
Continuation of Spanish 2133. Weekly lab practice required.
3003. **Introduction to Hispanic Literature** 3(3-0)
Prerequisite: Spanish 2233.
Readings in prose and poetry in Spanish with emphasis on methods of analysis and understanding of literary movements. Application of techniques through written and oral communication in Spanish. Required of Spanish majors and minors.
3013. **Spanish Civilization** 3(3-0)
Prerequisite: Spanish 2233.
Study of the history, geography, and culture of Spain. Use of media in the target culture. Continued development of oral and written communication in Spanish.
3023. **Spanish American Civilization** 3(3-0)
Prerequisite: Spanish 2233.
Study of the history, geography, and culture of Spanish America. Continued development of oral and written communication in Spanish.
3133. **Survey of Spanish Literature I** 3(3-0)
Prerequisite: Spanish 3003.
A history and general survey of the literature of Spain from the Middle Ages through the 17th century. Practice in critical analysis and language skills through class discussion, papers, and examinations.
3233. **Survey of Spanish Literature II** 3(3-0)
Prerequisite: Spanish 3003.
A history and general survey of the literature of Spain from the 18th century to the present. Practice in critical analysis and language skills through class discussion, papers, and examinations.
3333. **Conversation and Composition** 3(3-0)
Prerequisite: Spanish 2233.
Extended development of oral and written communication in Spanish. Intensive grammar review and vocabulary expansion for a variety of situations and topics. Required of Spanish majors and minors.
3343. **Spanish for Professionals** 3(3-0)
Prerequisite: Spanish 2233.
Concentrated study of Spanish in such professional disciplines as business, health, criminal justice, or law. Includes intensive vocabulary building and development of communicative skills designed to meet professional demands. May be repeated for credit when topics vary.

3533. Survey of Spanish American Literature I 3(3-0)

Prerequisite: Spanish 3003.

A history and general survey of the literature of Spanish America from Pre-Columbian times up to the 20th century. Practice in critical analysis and language skills through class discussion, papers, and examinations.

3633. Survey of Spanish American Literature II 3(3-0)

Prerequisite: Spanish 3003.

A history and general survey of the literature of Spanish America of the 20th century. Practice in critical analysis and language skills through class discussion, papers, and examinations.

4013. Topics in Hispanic Literature 3(3-0)

Prerequisite: Spanish 3003.

Concentrated study in a particular genre, sub-genre, or theme in Hispanic literature. Topics will vary and may include such subjects as Women's Studies, Golden Age Literature, Spanish or Spanish American Drama, Poetry, Novel, or Short Story. May be repeated for credit when topics vary.

4133. Advanced Oral Expression 3(3-0)

Prerequisite: Spanish 3333.

Further development of oral proficiency in formal and informal settings and study of phonetics. No student who has graduated from a secondary school in a Spanish-speaking country may enroll in this course.

4233. Advanced Grammar and Composition 3(3-0)

Prerequisite: Spanish 3333.

Further development of writing skills through intensive practice writing and re-writing. Includes grammar review and the study of writing and stylistics.

4433. Advanced Comprehensive Skills 3(3-0)

Prerequisites: 15 advanced hours of Spanish.

Consolidation of vocabulary and grammar through practice of language functions. Further development of listening and reading skills. Review of language structures, Hispanic culture, geography, history, and literature. Required of all students seeking teacher certification in Spanish.

4633. Selected Problems in Spanish Language, Literature, or Culture 3(3-0)

Prerequisites: 6 advanced hours of Spanish, senior standing, and consent of the instructor and chair.

Individual study in a topic selected by the student and the student's adviser. May be repeated once.

HISTORY

Kenneth E. Hendrickson, Jr., Chair (O'Donohoe Hall 222)

Professors: Collins, Hendrickson, Hewitt

Associate Professors: Kindig, King, Lindemann

Assistant Professor: Arnoult

The requirements for the degree of Bachelor of Arts with a major in history are as follows:

Academic Foundations and Core Curriculum (see page 101)**Program****Major** (30 semester hours)

History 1133, 1233, 1333, 1433, and 18 additional semester hours

Minor to be selected in a field acceptable to the chairs of the major and minor programs**REQUIREMENTS FOR A MINOR IN HISTORY** (21 semester hours)

History 1133, 1233, 1333, 1433, and nine additional semester hours, selected with approval of the chair.

SURVEY COURSES IN HISTORY (HIST)**FOR UNDERGRADUATES****1133. Survey of American History to 1865** 3(3-0)

General survey of American History from its European origins to 1865. Required of all students.

1233. Survey of American History since 1865 3(3-0)

General survey of American History from 1865 to the present. Required of all students.

1333. Survey of Western Civilization 3(3-0)

An examination of the traditions which contributed to the intellectual background of modern western society. The course spans the period beginning with the early civilization of Egypt and Mesopotamia through classical Greece and Rome to the western Middle Ages concluding with the Renaissance and Reformation and the dawn of the modern era.

1433. Survey of Western Civilization 3(3-0)

An examination of the traditions which have directly contributed to the formation of the intellectual and cultural structure of modern western society. The course begins with the Scientific Revolution and the emergence of modern nation states and examines the development of democratic movements and the Industrial Revolution continuing through the wars and disorders of the twentieth century.

HISTORY COURSES FOR ADVANCED UNDERGRADUATES**3003. Survey of Texas History** (formerly 3013 and 3023) 3(3-0)

Prerequisites: Six hours of American History.

This course examines Texas history from the time of discovery to the late twentieth century. Topics examined include the Spanish colonial period, Anglo colonization, the Texas Revolution, early statehood, the Civil War and Reconstruction, the cattleman's frontier, the oil industry, and modern Texas politics.

3033. American Beginnings: From Discovery to the Revolution 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

After the migration of man across the Bering Straits, the great Indian civilizations appeared followed by the first European colonies in the sixteenth and seventeenth centuries. Settlement spread, and an American society flowered represented by such fig-

ures as William Byrd, Benjamin Franklin and Thomas Jefferson — until estrangement from England provoked a crisis that finally touched off the American Revolution.

3103. History of England (formerly 3133) 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A survey of the forces and events which dominated English development from the times of the Romans to the Glorious Revolution of 1688. The course focuses on the constitutional development of England and discusses the contributions of the Anglo-Saxons and Normans as well as those of the Reformation and Elizabethan eras.

3123. History of England (formerly 3143) 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A survey of modern England and the emergence of the United Kingdom and the development of the British empire. The course focuses on the developments of British democracy as well as the issues and events of the American Revolution, the Industrial Revolution, the Irish Question, and the impact of the wars of the twentieth century on Britain.

3133. Comparative World Religions and Cultures 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of the major world religions and cultural traditions with an emphasis on Hinduism, Buddhism, Judaism, Christianity, and Islam.

3233. Ancient Greece and Rome 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of the development of Greece and the Bronze Age through the Classical Age of Socrates, Plato, and Aristotle with the emergence of Rome as an imperial power and its expansion through the Mediterranean world. The course concludes with an examination of early Christianity and the collapse of the Roman political system.

3503. Early Russia and Tsardom 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A survey of Russian history from earliest times to the peak of Romanov power and prestige.

3513. The Modern Russian State and Empire 3(3-0)

Prerequisites: Six hours of history or the consent of chair.

Russian history from 1801 to the present. The crisis and collapse of autocracy, the revolutions, reaction, superpower status, and the decline and fall of empire are some of the major topics covered in this course.

3803. Survey of Eastern Asia 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course examines the panorama of social, economic, and political developments in East Asia to the nineteenth century with emphasis upon China, Japan, and Korea.

3813. Survey of Eastern Asia 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Comparisons, contrasts, stability, chaos, continuity, change, and cultural developments in the nineteenth and twentieth centuries Far East; the clash of the ancient and the modern worlds is the story of China, Japan, and Korea during the last two centuries.

3833. Latin American History, Colonial Period 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course investigates the Indian, White, and Black cultures which made up the ethnic and cultural diversity in Ibero-America. The discovery, conquest, and settlement of Ibero-America are covered in detail as are such institutions as the church, *encomienda*, and the military. The course concludes with a discussion of the impact of the reforms of Charles III as they affected Latin America and initiated the independence movement.

3843. Latin American History, Republican Period-Nineteenth Century 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course traces the independence of Ibero-American Nations and explains the factionalization caused by the collapse of Spain's empire and the power struggles which resulted. Institutions such as *caudillismo*, the church, the military, and their impact are discussed as they developed during the 19th century.

4043. The Old South 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course traces the growth of Southern culture; economics and politics from the establishment of the first Southern Colonies to the Civil War. Emphasis is placed upon such topics as social organization, slavery, states rights, and the creation of the Confederacy—always relating developments in the South to events in the nation at large.

4053. Civil War and Reconstruction 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

The bitter sectional conflicts touched off by slavery and westward expansion provoked a mounting crisis in the 1850's—ending in the election of 1860. The course then turns to the battlefield and the question of why the South lost. It concludes with an examination of the attempt to reintegrate the South into the Union and the angry social and political clash which was precipitated.

4073. The Era of Reform: Populism and Progressivism in America 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of the background and development of the agrarian reform movements of the late nineteenth century culminating in the rise and fall of the Populist party, the urban-industrial movements in America during the early twentieth century including municipal, general political, labor, child labor, social welfare, and other movements.

4083. The Age of Washington and Jefferson (formerly 4023) 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Federalists and Jeffersonians struggled over the destiny of the young Republic—would it be a unitary, entrepreneurial nation, or an agrarian confederation? Complicating the battle were economic change, and the acquisition of the Louisiana territory, even as Europe began to threaten American commerce and ultimately the independence of the republic.

4093. The Jacksonian Era (formerly 4033) 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Using Andrew Jackson as a symbol of his age, the course traces the acrimonious partisan conflict which gave birth to mass democracy and a new two-party system. This is related to such crucial issues as the bank war, nullification, minority rights and the Mexican War, questions fostered by rapid industrialization, and the migration of pioneers to the Pacific.

4133. America: From the Jazz Age to the Nuclear Age 3(3-0)

Prerequisites: Six hours of American history or consent of the chair.

A study of American life from the end of World War I to the end of World War II

with special emphasis upon the prosperity of the twenties, the Great Depression, the New Deal, and the domestic and foreign policy problems of the World War II period.

4143. The New South 3(3-0)

Prerequisites: Six hours of American history or consent of the chair.

The development of the New South from the legacy of the Civil War and Reconstruction. Southern politics, economics, cultural, and industrial development.

4163. Contemporary America: From the End of World War II to the Present 3(3-0)

Prerequisites: Six hours of American history or consent of the chair.

A study of American life and foreign policy trends since 1945 with special emphasis upon the major political, economic, and social changes which have affected the lives of all Americans.

4173. History of Mexico 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A survey of Mexican history from Pre-Hispanic times to the present with emphasis on the National Period 1820-1967, which includes the age of Santa Anna, La Reforma, the Diaz Dictatorship, and the Revolution of 1910.

4183. Latin America: Nationalism in the Twentieth Century 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Course will emphasize Vargas in Brazil, Peron in Argentina, Castro in Cuba, Allenda in Chile, and such currently popular problems as those found in Central America.

4213. Europe in the Middle Ages 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of the social, political, and intellectual traditions of western society as they developed after the Germanic invasions. Emphasis will be placed on the evolution of feudal society and its interaction with the community of the Christian church.

4253. Renaissance and Reformation 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of the development of European society in the era of the Black Death, of overseas discoveries, of the Renaissance and Reformation. The emphasis of the course will be a topical study of Renaissance humanism and a detailed analysis of the impact of the Reformation on the doctrines and structure of western Christianity.

4273. The Age of Enlightenment 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of European culture during the age of Louis XIV and the Ancien Regime. The course will focus on the Scientific Revolution and its influence on European thought culminating with the Enlightenment.

4423. Nineteenth Century Europe, 1789-1914 (formerly 4333) 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Europe from the French Revolution to World War I. Emphasis upon the results of the French Revolution and the influence of Napoleon, the struggle for democratic principles, industrialization, the unification of Italy and Germany, the expansion of colonial empires, and the underlying causes of World War I.

4433. Twentieth Century Europe 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Development of Europe from the beginning of the twentieth century to the present with emphasis on developments since World War I.

4523. Eastern Europe 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

An examination of the various Eastern European countries, including the Balkans, from earliest times to the present. Particular emphasis on nineteenth and twentieth century social, political, economic, and religious trends and institutions. The course will also include a discussion of the collapse of communism and accompanying regional conflicts.

4533. American Ideas 3(3-0)

Prerequisites: Six hours of history or the consent of the chair.

A survey of the major intellectual currents which have shaped American thought, including Puritanism, the Enlightenment, Romanticism, Transcendentalism, Utopian Idealism, Social Darwinism, and Pragmatism. This course traces the changing intellectual patterns which have characterized the development of American civilization.

4543. History of the Middle East 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

Includes a survey of pre-Islamic society, the rise and spread of Islam, the rise of the Ottoman and Safavid Empires, European Imperialism, and the contemporary Middle East.

4603. The American Frontier, 1607-1838 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course surveys the advancing Anglo-American frontier from the founding of Jamestown through the Indian Removal period and the Cherokee Trail of Tears. The course surveys westward expansion from the Atlantic to the Mississippi River with particular emphasis upon the ongoing clash between Anglo and Native American cultures.

4613. The American West, 1803-1890 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course surveys westward expansion from the Mississippi River to the Pacific. From Lewis and Clark to Wounded Knee, from the fur traders' frontier to the farmers' frontier, this course surveys the sweeping movement of the American people across the trans-Mississippi West.

4643. United States-Latin American Relations 3(3-0)

Prerequisites: Six hours each of history and political science, and consent of the chair.

Survey of the relations of the U.S. with Latin America from independence to the present. The course keys on the Monroe Doctrine and U.S. policy from the Latin American perception of that policy. The course also covers in some detail U.S. relations with Argentina, Chile, Cuba, and Mexico.

4653. United States Military History 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

An analysis of the actions of the armed forces in five major conflicts. Emphasis will be placed on tactical and strategic decision making, personalities, force structures, and the application of technological innovations to warfare. Conflicts to be studied are: The Revolution, The Civil War, World Wars I and II, and Vietnam.

4663. Every Day Life in Europe, 1500-1950 3(3-0)

Prerequisites: HIST 1133, 1233; 1333, 1433 or consent of instructor.

This course covers the social history of Europe from the Reformation era through World War II. It exams how historical developments affected the lives of ordinary European men and women, including such areas as the life-cycle, material conditions, social issues and popular culture.

4673. History of Women in the United States and Great Britain 3(3-0)

Prerequisites: HIST 1133, 1233; 1333, 1433 or consent of chair.

This course examines the lives of women in the United States and Great Britain from around 1600 to the present. Its central focus is how the factor of gender, along with other factors such as class and race, affected the historical experience of women.

4953. Problems in History 3 semester hours

Prerequisites: Six hours of history or consent of the chair.

This is an undergraduate readings course available on a limited basis to advanced students. Topics will be selected by the student and his/her adviser.

COURSES IN GEOGRAPHY (GEOG)

3003. Geography of the World 3(3-0)

Regional, social, and economic characteristics of the geography of the world.

3013. Geography of North America 3(3-0)

Physiographic and natural resource characteristics of North America with emphasis on the United States.

HARDIN FOUNDATION DISTINGUISHED PROFESSOR OF AMERICAN HISTORY

For many years, the Hardin Foundation for Wichita County has supported Midwestern State University through grants and awards. These programs include the Hardin Scholar and the Hardin Professor Awards given each year respectively to the outstanding rising junior student and an outstanding member of the faculty. Additionally, the Foundation has supported the development of a truly outstanding American History Collection in Moffett Library. In 1987, the Foundation created the Hardin American History Professorship.

Dr. Kenneth E. Hendrickson, Jr., a regionally and nationally known historian, has been designated as the Hardin Foundation Distinguished Professor of American History. Dr. Hendrickson's primary research areas are in the New Deal, American radicalism, natural resources and conservation history, and Texas.

Among his seven books are *The Waters of the Brazos: A History of the Brazos River Authority, 1929-1979*, *Hard Times in Oklahoma: The Depression Years*, and *The Chief Executives of Texas: From Stephen F. Austin to John B. Connally, Jr.* He has also contributed to five additional books, written more than two dozen articles and essays, and more than fifty reviews. His latest work is *Franklin Delano Roosevelt: A Bibliography of his Times and Presidency*. Currently he is working on a history of the Spanish American War.

HUMANITIES

Adviser: Lynn Hoggard (Bea Wood Hall 217)

Associate Professor: King

Professor Emeritus: Campbell

REQUIREMENTS FOR A MAJOR IN HUMANITIES

The requirements for the degree of Bachelor of Arts with a major in humanities include the following three components:

I. Academic Foundations and Core Curriculum (see page 101) (48 semester hours)

II. Humanities Interdisciplinary Major (36 semester hours)

Humanities: 6 hours chosen from 2013, 2023, 2033, 2043
 6 hours chosen from 4013, 4023, 4033, 4043
 (Courses of the same title cannot be taken at both the 2000 and 4000 levels.)

English: 2413, 2423
 History: 1333, 1433
 Philosophy: 2233 or 3233
 Art: 1413
 Theatre: 1503
 Music: 1033

(An advanced course in the history of the art form may be substituted for all but the Academic Foundations requirements; e.g., Art History for Art 1413; Music Survey for Music 1033; or History and Aesthetics of the Theatre for Theatre 1053.)

III. Field of Concentration (18-24 hours, to make a total of 24 hours in one of the following fields, beyond Academic Foundations requirements)

The completion of any of the following fields of concentration satisfies the general requirement for a minor.

Art (21 semester hours)

ART 1113, 1313, 3413, 3423, plus 9 advanced studio hours chosen to survey studio options rather than achieve specialization.

English (18 semester hours)

18 hours from advanced English courses, but may include only one writing course and one English language course.

History (18 semester hours)

18 hours of advanced History courses; may include 4603 or 4613, but not both.

Music (21 semester hours)

21 hours including at least 12 advanced hours from Music History and Literature and Music Theory. May include 6 advanced hours in a performance area.

Philosophy (21 semester hours)

21 hours including 12 advanced hours from Philosophy listing.

Political Science (24 semester hours)

24 hours from advanced Political Science courses, but may include only one course from Law or Public Administration offerings.

Spanish (18 semester hours)

18 hours of courses beyond 2233; 3333 may not be repeated.

Theatre (21 semester hours)

21 hours from Theatre 4143, 4433, 4443; English 3253, 3303, 3313, and 4773; may include 6 hours of advanced acting or directing classes.

REQUIREMENTS FOR A MINOR IN HUMANITIES (18 semester hours)

Humanities: 6 hours chosen from 2013, 2023, 2033, 2043; 6 hours chosen from 4013, 4023, 4033, 4043; (courses of the same title cannot be taken at both the 2000 and 4000 levels); History 1333, 1433.

COURSES IN HUMANITIES (HUMN)**2013. Humanities: The Ancient World** 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on Mesopotamia, Egypt, Greece and Rome, Judaism, and early Christianity.

2023. Humanities: Medieval Cultures 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on Byzantine, Islamic, European, and African medieval cultures.

2033. Humanities: Renaissance through Romanticism 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on the Renaissance, the Baroque style, the Enlightenment, and Romanticism (fifteenth through mid-nineteenth centuries).

2043. Humanities: Mid-Nineteenth through Twentieth Centuries 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on the Industrial Revolution, Modernism, Cultural Plurality, and Postmodernism.

2053. Humanities 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context.

4013. Humanities: The Ancient World 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on Mesopotamia, Egypt, Greece and Rome, Judaism, and early Christianity. Individual research and evidence of the ability to synthesize the expressions of the different art forms within a cultural period will be required. May not be taken if student has had Humanities 2013.

4023. Humanities: Medieval Cultures 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on Byzantine, Islamic, European, and African medieval

cultures. Individual research and evidence of the ability to synthesize the expressions of the different art forms within a cultural period will be required. May not be taken if student has had Humanities 2023.

4033. Humanities: Renaissance through Romanticism 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on the Industrial Revolution, Modernism, Cultural Plurality, and Postmodernism. Individual research and evidence of the ability to synthesize the expressions of the different art forms within a cultural period will be required. May not be taken if student has had Humanities 2033.

4043. Humanities: Mid-Nineteenth through Twentieth Centuries 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of the inter-relationships of literature, music, art, and philosophy in an historical context with emphasis on the Industrial Revolution, Modernism, Cultural Plurality, and Postmodernism. Individual research and evidence of the ability to synthesize the expressions of the different art forms within a cultural period will be required. May not be taken if student has had Humanities 2043.

4063. Problems in Humanities 3 semester hours

Intensive study by a student who has completed the Humanities sequence in a selected topic which deals with the inter-relationships of different cultural forms of expression.

INTERNATIONAL STUDIES

Adviser: Dr. Michael A. Preda (O'Donohoe Hall 204)

Professors: Fukasawa, Hendrickson, Hewitt, LaBeff, Martin,
Martinez, Preda, Watson

Associate Professors: Dover, King, Lindemann, Taylor

The interdisciplinary major in International Studies shall provide the student with a broadly based liberal arts foundation while at the same time developing the student's global perspective and understanding of cross cultural concerns. Specialization in advanced studies of Economics, History, and Political Science shall enhance the student's awareness of the wide range of global issues which transcend national and regional boundaries, thus insuring that the student is empowered with the expanse of knowledge which crosses disciplinary, cultural, economic, and geographic borders.

Academic Foundations and Core Curriculum (see page 101)

Bachelor of Arts (see page 102)

REQUIREMENTS FOR A MAJOR IN INTERNATIONAL STUDIES:

Required Courses: 15 hour core for interdisciplinary major

HIST	1333	Western Civilization	3 hours
HIST	1433	Western Civilization	3 hours
GEOG	3003	Geography of the World	3 hours
HIST	3133	Comparative World Religions and Cultures	3 hours
SOCL	3783	Population and World Cultures	3 hours

Political Science, 6 hours chosen from the following: 6 hours

- POLS 3533 Government and Politics of Western Europe
- POLS 3543 Government and Politics of Eastern Europe
- POLS 3553 Government and Politics of Central Eurasia
- POLS 3563 Government and Politics of the Middle East
- POLS 3573 African Politics
- POLS 3653 International Relations
- POLS 4333 International Law
- POLS 4653 International Political Economy
- POLS 4853 Contemporary American Foreign Policy
- POLS 4933 Issues in World Politics

Economics, 6 hours chosen from the following: 6 hours

- ECON 3713 History of Economic Thought
- ECON 4633 Contemporary Economic Issues
- ECON 4643 International Economics and Finance (also FINC 4643)
- ECON 4723 Comparative Economics System

History, 6 hours chosen from the following: 6 hours

- HIST 3123 History of England
- HIST 3513 Modern Russian State and Empire
- HIST 3813 Survey of Eastern Asia
- HIST 4173 History of Mexico
- HIST 4183 Latin America, Nationalism in the Twentieth Century
- HIST 4433 Twentieth Century Europe
- HIST 4523 Eastern Europe
- HIST 4543 History of the Middle East
- HIST 4643 United States - Latin American Relations

TOTAL 33 hours

In order to enhance the student's global awareness and perspective, a minor should be chosen from the following fields: Economics, History, Political Science, French, or Spanish.

REQUIREMENTS FOR A MINOR IN INTERNATIONAL STUDIES:

OPTION I: (18 semester hours)

GEOG 3003, six hours chosen from Category 1, six hours chosen from Category 2, plus three hours chosen from the student's area of specialization as approved by the international studies adviser.

1. Six hours from the following:
ACCT 4023, BUAD 4763, ECON 4643/FINC 4643, MKTG 4643
2. Six hours from the following:
POLS 3533, 3653, 4333, 4653, 4853, 4933
HIST 3813, 4183, 4433, 4523, 4543, 4643
ENGL 2413, 2423, 3003, 4903, 4913, 4943

For a minor with degrees other than the Bachelor of Arts the student must, in addition, complete two semesters of one foreign language.

OPTION II: (18 semester hours)

GEOG 3003, six hours chosen from Category 1, six hours chosen from Category 2, plus three hours chosen from the student's area of specialization as approved by the international studies adviser.

1. ECON 4633, 4643, 4653, 4723, BUAD 4763
FINC 4643, MKTG 4643, POLS 3533, 3553, 3653, 4253, 4333, 4663, 4853, 4933, AND MCOM 4663
2. HIST 3813, 4183, 4433, 4523, 4543, 4643
ENGL 2413, 2423, 3003, 4903, 4913, 4943
FREN 3333, GERM 3423, SPAN 3333

For a minor with degrees other than the Bachelor of Arts the student must, in addition, complete two semesters of one foreign language.

PHILOSOPHY

Adviser: Dr. Alfred D. Stewart (Bea Wood Hall 221)
Associate Professor: Stewart

REQUIREMENTS FOR A MINOR IN PHILOSOPHY (18 semester hours)

Philosophy 1033, 2033, 2233, and nine additional semester hours of which six must be advanced.

COURSES IN PHILOSOPHY (PHIL)

- | | |
|---|--------|
| 1033. The Primary Concerns of Philosophy | 3(3-0) |
| Prerequisites: English 1113 and 1123. | |
| Methods and problems related to man's search for meaning in the Cosmos. | |
| 1533. Logic | 3(3-0) |
| Prerequisites: English 1113 and 1123. | |
| The study of principal methods of organizing thought in ordinary language. | |
| 2033. Ethics | 3(3-0) |
| Prerequisites: English 1113 and 1123. | |
| What is the "good" for man: an inquiry into the philosophy of morality. | |
| 2233. Classical Philosophy | 3(3-0) |
| Prerequisites: English 1113 and 1123. | |
| A study of the pre-Socratics, Plato, and Aristotle. Discussion of the contemporary uses of classical philosophy. | |
| 2633. Contemporary Philosophy (formerly 3433) | 3(3-0) |
| Prerequisites: English 1113 and 1123. | |
| Twentieth century philosophers, including the methods and history of the various movements. May be repeated when topics vary. | |
| 3233. Modern Philosophy (formerly 2433) | 3(3-0) |
| Prerequisites: English 1113 and 1123. | |
| A survey of philosophical problems from Descartes through Kant. | |

3533. Topics in Philosophy 3(3-0)

Prerequisites: English 1113 and 1123.

Specialized studies in philosophy. May be repeated when topics vary.

4993. Problems in Philosophy 3(3-0)

Prerequisites: English 1113 and 1123.

Individual directed readings, with approval of philosophy chair and college dean.

May not be repeated.

POLITICAL SCIENCE

Samuel E. Watson, III, Chair (O'Donohoe Hall 210)

Professors: Martin, Preda, Watson

Associate Professors: Dover, Flavin

Assistant Professor: Garrison

Professors Emeriti: Backhaus, Covert, Mertens, Sabota

The requirements for the degree of Bachelor of Arts with a major in political science are as follows:

Academic Foundations and Core Curriculum (see page 101)

Program Requirements

Major (30 semester hours)

Political Science 1333, 1433, 2523, 3213; 3 hours from: 3313, 4153, 4553; 3 hours from: 3533, 3543, 3553, 3563, 3573, 3653, 4333, 4653, 4853, 4933; 3 hours from: 3933, 4133, 4173, 4233, 4243, 4953; 3 hours from: 3233, 3443, 3843, 4013, 4163, 4443; and 6 additional advanced hours. POLS 4903, 4923, and 4973 can be used to fulfill cluster requirements based on their subject matter in a given semester.

The minor field selected must be acceptable to the chairs of major and minor programs.

REQUIREMENTS FOR A MINOR IN POLITICAL SCIENCE (21 semester hours)

Political Science 1333, 1433, 2523 and 12 additional hours, of which nine must be advanced.

COURSES IN POLITICAL SCIENCE (POLS)

1333. American Government 3(3-0)

This course, together with Political Science 1433, fulfills the legislative requirement of six semester hours of American government. A study of the American national and state governmental system. Special attention given to Texas. The American experiment in federalism and democracy; origin and development of the United States Constitution; federal state relations; civil liberties; the individual as a citizen; political parties.

1433. American Government 3(3-0)

Legislative, executive, and judicial functions in the United States and Texas governments; foreign policy; the conduct of foreign relations; national defense; government and the economy; governmental services.

2523. Foundations of Government and Politics 3(3-0)

Study of major concepts, theories, and principles of government and politics. Designed to provide a basic understanding of the institutions and processes of government.

3213. Research Methods 3(3-0)

Prerequisites: Six hours of political science.

Introduction to legal and social science research methods with emphasis on practical application. Includes basic procedures of survey research, quantitative analysis, and research design development.

3233. American Political Parties and Pressure Groups 3(3-0)

Prerequisites: Six hours of political science.

The American political system and pressure groups, with particular attention to their development, present structures, and roles in the American political system.

3313. Introduction to Political Theory 3(3-0)

Prerequisites: Six hours of political science.

A basic survey and evaluation of the major classical and contemporary theories of politics. Special emphasis on the influence of classical political philosophy on modern democratic theory.

3443. Municipal Government and Metropolitan Problems 3(3-0)

Prerequisites: Six hours of political science.

Study of the structure, functions, and politics of local government with special emphasis on the problems of governing metropolitan areas.

3533. Government and Politics of Western Europe 3(3-0)

Prerequisites: Six hours of political science.

A comparative study of modern political institutions and processes, with particular attention to the United Kingdom, France, and Germany.

3543. Government and Politics of Eastern Europe 3(3-0)

Prerequisites: Six hours of political science.

A comparative study of the political institutions and processes in the region, with particular attention to Poland, Hungary, and the Czech Republic.

3553. Government and Politics of Central Eurasia 3(3-0)

Prerequisites: Six hours of political science.

A comparative study of the political institutions and processes of the former Soviet republics with particular attention to the Russian Federation.

3563. Government and Politics of the Middle East 3(3-0)

Prerequisites: Six hours of political science.

A comparative study of the political institutions and processes with particular attention to Middle East nation states.

3573. African Politics 3(3-0)

Prerequisites: Six hours of political science.

This course introduces students to African politics and society by depicting in broad strokes the complexities and diversities of the African world since independence, and investigates new paths of understanding into intricate dynamics.

3653. International Relations 3(3-0)

Prerequisites: Six hours of political science.

A study of the nation-state systems; critical analysis of principles, problems, and factors involved in the foreign policies and relations of the various states.

3843. The Presidency 3(3-0)

Prerequisites: Six hours of political science.

A study of the Presidency and the executive branch in the American system.

3933. The Judicial System and Process 3(3-0)

Prerequisites: Six hours of political science.

A study of the American judicial system and process at the local, state, and national levels. Topics include judicial selection and judicial policy-making.

4013. Legislation 3(3-0)

Prerequisites: Six hours of political science.

A study of the role of Congress and the state legislature in the American system.

4133. Public Administration 3(3-0)

Prerequisites: Six hours of political science.

Examination of the basic principles involved in the administration and execution of public policy. Includes such topics as organizational theory, personnel management, budgetary procedures, and the politics of administration.

4153. Quantitative Methods 3(3-0)

Prerequisites: Six hours of political science and POLS 3213.

Examines theory building and testing, statistical modeling, multivariate analysis, and applications for general social science research.

4163. Federalism and Intergovernmental Relations 3(3-0)

Prerequisites: Six hours of political science.

An analysis of the relationships among federal, state, and local governments in the United States with emphasis on the administrative aspects of the expanding area of inter-governmental cooperation.

4173. Organizational Behavior and Decision Making 3(3-0)

Prerequisites: Six hours of political science.

Examines individual, interpersonal, and group behavior in the organizational context utilizing both theoretical and quantitative approaches in the study of these concepts.

4233. American Constitutional Law I 3(3-0)

Prerequisites: Six hours of political science.

The development of the Constitution through the interpretations of the Supreme Court.

4243. American Constitutional Law II 3(3-0)

Prerequisites: Six hours of political science.

A continuation of Political Science 4233. Additional cases in constitutional development. A study of civil rights and civil liberties.

4333. International Law 3(3-0)

Prerequisites: Six hours of political science.

The role of the law of nations in world politics, with emphasis on the history, theories, sources, and enforcement of international law.

- 4443. Black Politics** 3(3-0)
Prerequisites: Six hours of political science.
An examination of the political behavior of Black Americans in the United States by focusing on the relationship between Black Americans and the various actors, institutions and processes of the American Political System. Special emphasis on contemporary problems, trends, and developments of Black Politics.
- 4553. Twentieth Century Political Thought** 3(3-0)
Prerequisites: Six hours of political science.
An analysis of recent trends in political thought.
- 4653. International Political Economy** 3(3-0)
Prerequisites: Three hours of economics and six hours of political science.
An examination of the interaction of economics and politics with specific attention to issues in international trade, international finance, and international economic and political development.
- 4853. Contemporary American Foreign Policy** 3(3-0)
Prerequisites: Six hours of political science.
Study of policies and problems in United States foreign relations since World War II.
- 4901. Problems in Government and Politics** 1(1-0)
Prerequisites: Six hours of political science and consent of the department chair.
Supervised reading and research in the field of government and politics.
- 4902. Problems in Government and Politics** 2(2-0)
Prerequisites: Six hours of political science and consent of the department chair.
Supervised reading and research in the field of government and politics.
- 4903. Problems in Government and Politics** 3(3-0)
Prerequisites: Six hours of political science and consent of the department chair.
May be repeated for credit when the topics vary.
Supervised reading and research in the field of government and politics.
- 4923. Seminar** 3(3-0)
Prerequisites: Six hours of political science and consent of the instructor.
Study and research of problems in government and political science. May be repeated for credit when topics vary.
- 4933. Issues in World Politics** 3(3-0)
Prerequisites: Six hours of political science.
Analyses of contemporary problems in international politics.
- 4953. Public Personnel Administration** 3(3-0)
Prerequisites: Six hours of political science.
An intensive examination of personnel administration in the public service including such topics as recruitment procedures, classification systems, promotion policies, and collective bargaining in a public merit system.
- 4973. Internship in Political Science** 3 semester hours
Prerequisites: 12 hours of political science and approval of the department chair.
Field experience in selected government agencies.

PSYCHOLOGY

George M. Diekhoff, Chair (O'Donohoe Hall 122)

Professor: Diekhoff

Associate Professors: Cuevas, Guthrie

Assistant Professors: Coddington, Vandehey

Academic Foundations and Core Curriculum (see page 101)

A major in psychology has the option of obtaining a Bachelor of Arts or a Bachelor of Science degree. Requirements for the B.A. and B.S. degrees are on pages 102 and 103.

Program requirements remain the same for either degree and are as follows:

Major (33 semester hours)

PSYC 1103, 2203, 3023 or 3913, 3313, 3603 or 4203, 3703 or 4003, 4503, and 4703; and 9 advanced hours, selected with the approval of the student's adviser.

BIOL 2034 (satisfies part of Natural Science requirement in Academic Foundations and Core Curriculum) is an additional program requirement.

All psychology majors must take a written comprehensive examination during their senior year. Contact the Psychology Department office to make arrangements.

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

Eighteen semester hours including PSYC 1103 and 2203 plus 12 additional advanced hours chosen in consultation with the student's adviser and psychology faculty.

GRADUATE PROGRAM

The requirements for a degree of Master of Arts with a major in the field of psychology may be found in a separate graduate catalog.

COURSES IN PSYCHOLOGY (PSYC)

1103. **General Psychology** 3(3-0)

Introduction and survey of the basic concepts of psychology as a science of behavior and mental processes. Includes research and current information in the areas of learning, states of consciousness, human development, personality, and abnormal behavior.

2203. **Human Behavior** 3(3-0)

Prerequisite: PSYC 1103.

A continuation of the introductory examination of psychology. Topics include biological psychology, sensation and perception, motivation, emotion, industrial/organizational psychology, and social psychology.

3023. **Human Sexuality** 3(3-0)

Prerequisite: PSYC 1103. May also be taken for sociology credit.

Basic study of human sexual behavior. Topics to be covered include psychosexual development, sexual attitudes and information, ethics, sexual deviations, sexual problems, therapy, and current issues.

3233. Developmental Psychology 3(3-0)

Prerequisite: PSYC 1103 or consent of instructor.

A study in the development of behavior and mental processes across the life span. Includes normal and abnormal behavior. Also offered for nursing credit.

3313. Psychological Statistics 3(3-0)

Prerequisite: MATH 1003 or equivalent.

Introduction to descriptive and inferential statistics. Topics include data distributions, descriptive statistics, sampling distributions, interval estimation, one- and two-sample significant difference tests, one-way analysis of variance, correlation, and regression. The course also examines computerized statistical analysis.

3403. Social Psychology 3(3-0)

Prerequisites: PSYC 1103, 2203. May also be taken for sociology credit.

Interdisciplinary experimental research linking psychology and sociology, which deals with the influence of groups and social situations on the individual. Includes as areas of study: social and person perception, intragroup and intergroup relations, attitudes and attitude change, conformity, prejudice, leadership, and power structures.

3603. Abnormal Psychology 3(3-0)

Prerequisites: PSYC 1103, 2203.

Historical views of mental disorders; the problems of identifying and classifying deviant behavior; current research concerning the background, development, symptoms, dynamics, and prognosis of the major categories of mental disorders.

3703. Theories of Motivation 3(3-0)

Prerequisites: PSYC 1103, 2203.

An examination of the concepts of needs, drives, and motives as they contribute to human behavior. Motivational processes are examined ranging from the primary, physiological drives, to higher-order motives like achievement, curiosity, and cognitive consistency.

3853. Health Psychology 3(3-0)

Prerequisites: PSYC 1103, 2203.

An examination of the contributions of psychology to the promotion and maintenance of health, the prevention and treatment of illness, and the improvement of the health care system and health policy formulation. Topics include the mind-body relationship, health-enhancing and health-compromising behaviors, stress and coping, patient-practitioner interaction, pain management, and psychological issues in chronic and terminal illnesses.

3873. Psychology of Gender 3(3-0)

Prerequisites: PSYC 1103, 2203.

The course focuses on the history, social customs, and biology of the development and expression of gender behaviors and attitudes within contemporary society.

3913. Personal Relations and Interactions 3(3-0)

Prerequisites: PSYC 1103, 2203 or consent of instructor.

Learning and practice in personal and interpersonal skills. Emphasis is upon experiential role playing and practice in expression, listening, constructive confrontation, resolving conflicts, negotiation, and stress management.

4003. Learning 3(3-0)

Prerequisites: PSYC 1103, 2203.

Scientific research in learning processes; methods and techniques of collecting data on learning; the application of learning procedures to normal and abnormal behavior.

4103. **Clinical Psychology** 3(3-0)
Prerequisites: PSYC 1103, 2203, 3603.
A critical evaluation of the major theories and methods of psychological treatment and assessment.
4113. **Industrial/Organizational Psychology** 3(3-0)
Prerequisites: PSYC 1103, 2203 or consent of instructor.
Psychological theories and psychometric principles as applied to the selection, training, and evaluation of workers, worker motivation and job satisfaction, the employee-employer relationship, and consumer psychology.
4123. **History and Systems of Psychology** 3(3-0)
Prerequisites: 12 hours of psychology including 1103, 2203.
A survey of the historical development of psychology. Important schools of psychology, major contributors, and the shaping influence of the past on contemporary psychology are all considered.
4133. **Perception and Cognition** 3(3-0)
Prerequisites: PSYC 1103, 2203.
The study of the human being as an information processing system. Topics include sensory aspects of information extraction, selective attention and concentration, problems related to perception and recognition of incoming stimulation, and the structures and processes of human memory systems.
4143. **Psychology of Self** 3(3-0)
Prerequisites: PSYC 1103, 2203
This high participation seminar is designed for Junior and Senior students. The course provides an opportunity for students to understand the self from an intrapersonal perspective. Concepts such as self-esteem, self-concept, and self-fulfilling prophecies will be discussed. Some self-disclosure is consistent with this seminar format.
4153. **Child Clinical Psychology** 3(3-0)
Prerequisites: PSYC 1103 and 2203 or consent of instructor.
Introduction to clinical disorders observed in children and adolescents. Course covers concepts of developmental psychopathology and the etiology of disorders. Discussion of the assessment, diagnosis, and treatment of psychological disorders experienced by children and adolescents from a system of care perspective.
4203. **Psychology of Personality** 3(3-0)
Prerequisites: PSYC 1103, 2203.
A survey of the major theories of personality development and functioning, including an introduction to personality assessment and current research.
- 4401, 4402, 4403. **Special Projects** 1-3 semester hours
Prerequisites: PSYC 1103 and consent of instructor.
Intensive study for the advanced student within a special area. May be repeated for credit for a different area of study.
4503. **Psychological Tests and Evaluation** 3(3-0)
Prerequisites: PSYC 1103, 2203, and 3313.
The basic principles of psychological evaluation, test construction, and administration. Includes a survey of current intelligence, interest, aptitude, and personality tests and their evaluation.

4703. Experimental Psychology 3(3-0)

Prerequisites: 12 hours of psychology including PSYC 3313.

The theory and application of scientific methodology in psychological research.

4773. Selected Topics in Psychology 3(3-0)

Prerequisites: PSYC 1103, 2203.

Intensive study and coverage of selected topics in psychology. May be repeated for credit when topics vary.

4801. Senior Thesis I 1 semester hour

Prerequisites: PSYC 3313, 4703, must be a psychology major and have approval of department chair.

Outstanding students that receive department approval may undertake a research project for credit. The research project is expected to take two semesters to complete (register for 4801 first semester and 4802 the second semester). Summation of the project will include an oral presentation to the faculty and interested students. Ideally, the student will submit the findings to a regional or national conference or a refereed journal.

4802. Senior Thesis II 2 semester hours

Prerequisites: PSYC 4801 and approval of department chair.

Completion of the senior thesis begun as PSYC 4801. Summation of the project will include an oral presentation to the faculty and interested students. Ideally, the student will submit the findings to a regional or national conference or a refereed journal.

4903. Internship in Psychology 3(3-0)

Prerequisites: Open only to psychology majors. The student must have completed 21 hours of psychology and must be approved by the course instructor.

Field experience in selected agencies.

SOCIAL STUDIES

This course is limited to students who are pursuing their teacher certification with a Bachelor of Science in Interdisciplinary Studies or a Bachelor of Arts with Secondary Certification. (See page 139)

COURSE IN SOCIAL STUDIES (SOST)

3003. Concepts of Social Studies 3(3-0)

This course explores critical concepts and themes that have charted the course of human development. Emphasis shall be given to the major political, social, economic, religious, geographic, scientific, and cultural forces, which have shaped civilizations around the globe.

SOCIOLOGY

Emily E. LaBeff, Chair (O'Donohoe Hall 124)

Professors: Clark, LaBeff, Williams

Assistant Professors: Stiles, van Blommestein

Academic Foundations and Core Curriculum (see page 101)

A student majoring in sociology has the option of obtaining a Bachelor of Arts or a Bachelor of Science degree. Requirements for the B.A. and B.S. degrees are on pages 102 and 103.

Major (B.A. and B.S.) (33 semester hours)

SOCL 1133, 2233, 3633, 4153, 4803, PSYC 3313, and 15 advanced semester hours selected with the approval of the student's adviser.

REQUIREMENTS FOR A MINOR IN SOCIOLOGY

Eighteen semester hours including SOCL 1133, 2233, plus 12 additional advanced semester hours.

COURSES IN SOCIOLOGY (SOCL)

1133. Introductory Sociology 3(3-0)

A general survey course introducing students to the field of sociology. Emphasis is on people as products of groups, social interaction, and social forces. Topics covered include marriage and family, deviance, social class, minority relations, and collective behavior with an effort toward helping students understand the social world and their roles in it. May be counted toward degree requirements for sociology or social work, but not both.

2233. Social Problems 3(3-0)

Prerequisite: SOCL 1133 or consent of instructor.

Issues such as poverty, social class, race, family, and aging are examined to determine causes and possible solutions.

3023. Human Sexuality 3(3-0)

Prerequisite: SOCL 1133.

For course description see psychology section. May be taken for either psychology or sociology credit, but not for both.

3333. Criminology 3(3-0)

Prerequisite: SOCL 1133 or consent of instructor.

An in-depth study of crime in the United States with an emphasis on major types of crime and factors in causation.

3353. Total Institutions 3(3-0)

Prerequisites: SOCL 1133, 3333 or 3733 or consent of instructor.

A study of total institutions with a primary focus on contemporary American prisons. The historical development of total institutions and the major problems inherent in such institutions are examined in detail.

3403. Social Psychology 3(3-0)

Prerequisite: SOCL 1133.

For course description see psychology section. May be taken for either psychology or sociology credit, but not for both.

3433. The Family 3(3-0)

Prerequisite: SOCL 1133 or consent of instructor.

A broad conceptual analysis of the American family, with some cross-cultural comparisons. Specific areas covered include sexual norms, sex roles, gender issues, dating and courtship patterns, mate selection, family formation, marital adjustment, family dissolution as well as an analysis of major historical changes and trends.

3633. Research Methods 3(3-0)

Prerequisites: PSYC 3313, 9 hours of sociology, or consent of instructor.

An introduction to methods and techniques of sociological research; examination

and application of quantitative and qualitative methods of data collection through selected research programs.

3733. Juvenile Delinquency 3(3-0)

Prerequisite: SOCL 1133 or consent of instructor. May also be taken for criminal justice credit.

Nature, extent, and causes of juvenile delinquency: youthful offenders and their career patterns, institutional controls and correctional programs.

3783. Population and World Cultures 3(3-0)

Prerequisites: SOCL 1133, 2233, or consent of instructor.

An examination of global population issues within the context of specific world cultures including the Middle East, the Pacific Rim, Asia, and Latin America.

3803. Medical Sociology 3(3-0)

Prerequisite: SOCL 1133 or consent of instructor.

Social factors and institutional settings for physical and mental health care; public needs and group medical services; women's health issues; social interaction in hospitalization and institutions of rehabilitation.

4001, 4003. Special Projects 1, 3 semester hours

Prerequisites: 9 hours of sociology including SOCL 1133 and consent of instructor.

Intensive study for the advanced student within a special area in the field of sociology. May be repeated for credit for a different area of study.

4133. Ethnic Groups 3(3-0)

Prerequisites: SOCL 1133, 2233, or consent of instructor.

Characteristics of the major racial and ethnic groups in America are examined. The source of the contact and subsequent reactions are emphasized.

4153. Sociological Theory 3(3-0)

Prerequisites: 9 hours of sociology or consent of instructor.

A survey and analysis of development of sociological theory from the time of Comte to the present. Particular schools and major paradigms are evaluated, and recent confluences in social anthropology, sociology, and social psychology are noted.

4353. The Sociology of Death and Dying 3(3-0)

Prerequisites: 9 hours of sociology or consent of instructor.

An analysis of the social context of death and dying in American society. The impact of death on children, the family, and survivors is examined. Additional emphasis on the role of hospice as well as legal, moral, and medical ethics are included.

4543. Aging 3(3-0)

Prerequisites: 9 hours of sociology or consent of instructor.

The emergence of aging as a problem in industrial societies. Analysis of specific problems and programs relating to older persons in American society.

4633. The Sociology of Family Violence 3(3-0)

Prerequisites: 9 hours of sociology or consent of instructor.

An examination of the various forms of family violence including child, sibling, courtship, marital, and elder abuse. Specific theoretical models explaining family violence will be examined along with the societal characteristics associated with violent situations and the various therapeutic approaches and current treatment programs available.

4733. Selected Topics in Sociology

3(3-0)

Prerequisites: 9 hours of sociology or consent of instructor.

Intensive study and coverage of selected topics in sociology. May be repeated for credit when topics vary.

4773. Internship in Sociology

3(3-0)

Prerequisites: 9 hours of sociology, majors or minors in sociology, or consent of instructor.

Field experience in selected agencies. May be repeated one time.

4803. Applied Sociology

3 semester hours

Prerequisites: 9 hours of sociology or consent of instructor.

This course is designed to incorporate previous course work within the discipline to facilitate a student's ability to apply sociology and sociological concepts to problem solving in the world of business and professional organizations. Students who are considering a career of professional development can explore the problem-solving skills necessary to the understanding of how issues that confront staff development such as race, social class, gender, and family impact the work environment.



COLLEGE OF SCIENCE AND MATHEMATICS

Norman V. Horner, Dean (Bolin Hall 111A)

MISSION STATEMENT FOR THE COLLEGE OF SCIENCE AND MATHEMATICS

The primary mission of the College of Science and Mathematics is teaching of the highest quality at both the undergraduate and graduate levels. The college, through its faculty and programs in biology, chemistry, geology, environmental science, physics, math, computer science, and engineering technology, attempts to provide students with the knowledge and skills for life-long learning, an ability to understand the world in which they live, and the ability to comprehend scientific and mathematical advancements and their benefit to future generations. To assist in the accomplishment of this mission, the College of Science and Mathematics fosters research and scholarship of high quality among the faculty and graduate programs in biology and computer science. To provide outreach as an educational institution, the College of Science and Mathematics assists its faculty in utilizing their expertise to the benefit of the university community and regional, state, national, and international communities.

The College of Science and Mathematics offers the following degrees:

Bachelor of Arts with a major in Computer Science	see page 297
Bachelor of Arts with a major in Geology	see page 302
Bachelor of Arts with a major in Mathematics	see page 308
Bachelor of Science with a major in Biology	see page 286
Bachelor of Science with a major in Chemistry	see page 291
Bachelor of Science with a major in Computer Science	see page 296
Bachelor of Science with a major in Environmental Science . .	see page 301
Bachelor of Science with a major in Geology	see page 303
Bachelor of Science with a major in Manufacturing Engineering Technology	see page 305
Bachelor of Science with a major in Mathematics	see page 308
Special Degree – Bachelor of Science in Medical Technology .	see page 108
Bachelor of Science with a major in Physics	see page 312
Teacher Certification programs for Grades 8 – 12 in Composite Science, Life Science, Mathematics, and Physical Science .	see page 150
Master of Science with a major in Biology	see graduate catalog
Master of Science with a major in Computer Science . .	see graduate catalog

BIOLOGICAL SCIENCE

William B. Cook, Chair (Bolin Hall 218E)

Professors: Cate*, Grimes, Horner, Stangl

Associate Professors: Cook, Rincón-Zachary

Assistant Professors: Hathorn, Shipley, Stephens

Professor Emeritus: Scott

*Joint Appointment: Chemistry and Biology

The requirements for the degree of Bachelor of Science with a major in biology may be satisfied in any of three areas of emphasis.

- A. Molecular-cellular option
- B. Organismal option
- C. Pre-Professional (pre-medicine, pre-dentistry, pre-veterinary) option

Academic Foundations and Core Curriculum (all options see page 101)

Major

Option A

Biology 1144, 1544, 3054, 3064, 3331, 3333, 4001, 4714, three advanced hours in both botany¹ and zoology²; three additional advanced hours (34 hours)

Option B

Biology 1144, 1544, 3054, 3064, 3331, 3333, 4001; three advanced hours in both botany¹ and zoology²; twelve additional advanced hours (39 hours)

¹Advanced Botany 3534, 4463, and 4564.

²Advanced Zoology 3024, 3033, 3133, 3234, 3343, 3434, 3643, and 4523

Option C

Biology 1144, 1544, 3054, 3064, 3144, 3234, 3331, 3333, 4001; 8 additional advanced hours (37 hours)

Minor

Option A

CHEM 1141, 1143, 1241, 1243, 3001, 3003, 3011, 3013, 3603, 4243 (22 hours)

Option B

Consult adviser for approved minor and specific courses, or may select Interdisciplinary minor: GEOL 1134, 1233, 3023, 3133; MATH 1233; STAT 3573 (19 hours)

Option C

Consult adviser for approved minor and specific courses.

Program Requirements (see Options, above)

Option A: MATH 1433, 1634, 1734, 2534; PHYS 1624, 2644

Option B: CHEM 1141, 1143, 1241, 1243, 3001, 3003; MATH 1433 or STAT 3573; Either PHYS 1144 and 1244 or 1624 and 2644

Option C: MATH 1634; CHEM 1141, 1143, 1241, 1243, 3001, 3003, 3011, 3013; Either PHYS 1144 and 1244 or 1624 and 2644

Foreign Language 1134 and 1234 are required for options A-C.

REQUIREMENTS FOR A MINOR IN BIOLOGY (20 semester hours)

Biology 1144 and 1544 and an additional 12 semester hours, of which 6 must be advanced. Courses must be selected in consultation with chair.

COURSES IN BIOLOGY (BIOL)**1113. Introduction to Medical Technology** 3(2-2)

An introduction to medical technology, professional ethics and the major disciplines in clinical laboratory sciences. Students perform basic laboratory experiments and learn the correlation between test results and common disease states.

1134. 1234. Anatomy and Physiology 4(3-3) 4(3-3)

Prerequisite for 1234: BIOL 1134.

Human anatomy and physiology. Structure of systems demonstrated by models, specimens, slides, and charts. Two semesters. Dissection of a mammal.

1144. General Zoology 4(3-2)

Survey of the animal world emphasizing the morphology, life cycles, and distribution of major phyla. Dissection of representative animals.

1544. General Botany 4(3-2)

Survey of the plant world emphasizing the morphology, life cycles, and distribution of representative groups.

2034. Human Biology 4(3-2)

Principles of biology and their application with special reference to the structure and functions of the human body. Dissection of rat. May not be taken for credit if credit has been received for BIOL 1134 and 1234.

2333. Nutrition (formerly 1333) 3(3-0)

Prerequisites: One year of biology.

(Same as KNES 2333, page 215)

3004. Microbiology 4(3-3)

Prerequisites: One year of biology and one year of chemistry.

Introduction to the study of medically important bacteria, protozoa, viruses, helminths, and fungi. May not be applied to biology major.

3024. Vertebrate Zoology 4(3-2)

Prerequisites: BIOL 1144 and 1544.

Survey of the zoogeography, systematics, and natural history of fishes, amphibians, reptiles, birds, and mammals. Emphasis on Texas species. Field trips required.

3033. Field Zoology 3(1-4)

Prerequisites: BIOL 1144, 1544, and consent of instructor.

Introduction to vertebrate field studies, involving data recording and collection/preservation of study specimens. Emphasis on non-game species of mammals. Hunting license required. Field trips required.

3044. Bacteriology 4(3-3)

Prerequisites: One year of biology, CHEM 1241, 1243, or equivalent.

Morphology, physiology, and classification of bacteria; their economic relation to man. Laboratory exercises emphasize culture techniques and identification of bacteria.

3054. Principles of Biology I 4(3-3)

Prerequisites: BIOL 1144 and 1544; one year General Chemistry or concurrent enrollment.

A study of the cellular basis of life, principles of inheritance, and principles of evolution.

3064. **Principles of Biology II** 4(3-3)
Prerequisite: BIOL 3054.
A survey of the diversity of living organisms; a consideration of structures and functions unique to plants; an overview of mammalian systems and processes; an examination of ecological interactions among living organisms.
3113. **Biogeography** 3(3-0)
Prerequisites: BIOL 1144 and 1544.
Study of the biological and physical factors which influence the present and historical distribution patterns of plants and animals.
3133. **Wildlife Management** 3(3-0)
Prerequisites: One year of biology.
Recognition, distribution, and importance of game birds, mammals, and fish of the United States. Principles of management of wildlife resources. The commercial freshwater fishery and fur industry. Non-game wildlife.
3144. **Physiology** 4(3-3)
Prerequisites: BIOL 3054, 3064; CHEM 3001 & 3003; BIOL 3234 and 3333 recommended.
General principles of physiology including the functional analysis of the nervous, muscular, cardiovascular, endocrine, digestive, and respiratory systems.
3234. **Comparative Anatomy of the Vertebrates** 4(3-3)
Prerequisites: One year of biology.
Organ systems of chordates considered in relation to each other with emphasis on mammalian groups. Dissection of representative animals.
3331. **Genetics Laboratory** 1(0-2)
Prerequisite: Prior or concurrent enrollment in BIOL 3333.
Laboratory exercises illustrating basic principles of genetics using *Drosophila melanogaster*.
3333. **Genetics** 3(3-0)
Prerequisites: One year of biology.
Fundamental principles of genetics and their application to living organisms.
3343. **Vertebrate Embryology** 3(2-2)
Prerequisites: One year of biology.
Development of the typical vertebrate, emphasizing the development of the chick and pig.
3434. **Entomology** 4(2-4)
Prerequisites: One year of biology.
Principles of insect life. Classification, life histories, and economic relations.
3534. **Systematic Botany** 4(2-4)
Prerequisite: BIOL 1544 or equivalent.
Identification and taxonomic classification of plants using local flora as examples. Survey of major plant families indigenous to North America.
3643. **Invertebrate Zoology** 3(2-3)
Prerequisites: One year of biology.
General principles of the invertebrates with special emphasis on structure and phylogeny.

3993. Cooperative Biology Education Practicum 3(0-3)

This course is designed to provide students with opportunities to integrate the basic principles of biology obtained from biology courses to field applications or a research laboratory. The course provides professional experiences in biology prior to graduation, allowing students to have a better understanding of basic principles applications.

4001. Seminar in Biology 1(1-0)

Prerequisite: Restricted to senior biology or general science majors.
Recent advances in the biological sciences.

4021. Immunology Laboratory 1(0-3)

Prerequisite: Credit or concurrent enrollment in BIOL 4023.

Immunological and molecular techniques used for the diagnosis and identification of bacteria, parasites, and viruses in animals and humans.

4023. Immunology 3(3-0)

Prerequisites: One year of biology; one year of chemistry; BIOL 3333 and either BIOL 4714 or CHEM 4243 recommended.

Fundamental principles of immunology to include cells and tissues of the immune system, immunoassays, humoral and cell-mediated immune responses, molecular biology of the immune system, immune regulation, and application to clinical diagnostic procedures.

4043. Human Genetics 3(3-0)

Prerequisites: BIOL 3144, 3333; CHEM 3011, 3013.

Principles of genetics as applied to human beings. Special reference to causation of heritable disorders and to gene flow in populations.

4143. Evolution and Systematics 3(3-0)

Prerequisites: BIOL 3054, 3064, and 3333.

Study of organic evolutionary processes, including mutations, genetic drift, patterns and rates of change, and how this knowledge is used to determine systematic relationships of taxa.

4231. Molecular Biology Laboratory 1(0-3)

Prerequisite: Concurrent enrollment in BIOL 4233.

Laboratory experience in the practices of genetic engineering.

4233. Molecular Biology 3(3-0)

Prerequisites: BIOL 3333, CHEM 3011, 3013; CHEM 4243 recommended.

Structure and function of nucleic acids in the storage, transmission, and expression of genetic information. Proteins as the primary structural and catalytic agents of cellular and organismal biology. Prokaryotic, eukaryotic, and viral model systems. Principles of genetic engineering.

4443. Histology 3(2-2)

Prerequisites: One year of biology.

Cytology and histology of epithelium, connective tissue, muscular tissue, nerve tissue, and organology.

4463. Plant Anatomy 3(1-4)

Prerequisites: BIOL 3054 and 3064.

Examination of cells and tissues that constitute the plant body. Primary tissues and their functions in the root, stem and leaf; secondary tissues: vascular cambium, cork

cambium, wood; reproductive structures: structure and function of the flower, fruit and seed; sporogenesis and gametogenesis; embryogenesis; secretory structures, ecological plant anatomy.

4523. Animal Parasitology 3(2-3)

Prerequisites: One year of biology.

Host-parasite relationships in representative groups, with emphasis on taxonomic, ecological, and preventive aspects.

4564. Plant Physiology 4(3-3)

Prerequisites: BIOL 3054, 3064, and CHEM 3003.

Study of physiological processes in higher plants. Dormancy, germination; mechanisms of transport in the phloem and xylem; mineral nutrition; hormones; role of light on growth and development; phytochrome and cryptochrome, tropic responses; photosynthesis: C3, C4, CAM and photorespiration; nitrogen fixation; flowering: photoperiodism and vernalization; senescence and abscission.

4684. Ecology 4(3-3)

Prerequisites: One year of biology, MATH 1233; BIOL 3534 recommended.

Distribution of organisms in the world: biomes; the physical environment; energy flow in ecosystems; population structure and dynamics; growth, distribution, dispersal patterns; species interactions; community structure: species abundance and diversity, theories of diversity; community changes: succession.

4693. Tropical Rainforest Ecology 3 semester hours

An introduction to the neotropical rainforest which includes topics on biodiversity of plants and animals, climate, deforestation and conservation, ecotourism, and other pertinent topics. An organized 10-14 day field trip to a neotropical rainforest is required.

4714. Cell Biology 4(3-3)

Prerequisites: BIOL 3054 and 3064.

Organization, structure, function, and evolution of eukaryotic cells; intermediary metabolism and biosynthesis: respiration and photosynthesis; membrane composition, function and synthesis; cytoskeleton structure and function; signal transduction; regulation of the cell cycle; programmed cell death; gene function and regulation of information flow; growth, and reproduction.

4911, 4912, 4913. Special Problems 1-3 semester hours

Prerequisites: A major in the program of biological sciences and consent of the college dean. (Also see prerequisites on page 91.)

Directed research and study in the field of the student's interest and preparation. A minimum of 45 laboratory hours per one semester hour credit.

CHEMISTRY

Rodney L. Cate, Chair (Bolin Hall 307B)

Professors: Cate, Rogers

Assistant Professors: Voegel, Hansen

Instructor: Fulton

Professors Emeriti: Sund, Williams

Programs of study leading to the degree of Bachelor of Science with a major in chemistry are as follows:

A. Professional option.

This program provides the academic foundation for students who may wish to continue their studies in graduate chemistry, chemical engineering, or biochemistry. Students completing this program with three additional advanced chemistry hours and a chemistry GPA of 2.5 or better will be certified by the Committee on Professional Training of the American Chemical Society.

B. Interdisciplinary option.

This program provides the academic foundation for students who may wish to continue their studies in professional schools of medicine, dentistry, or veterinary medicine or those who desire an emphasis in business, computer science, or other areas.

The requirements for the degree of Bachelor of Science with a major in chemistry are as follows:

General: (see page 99)

Academic Foundations and Core Curriculum: (see page 101)

Bachelor of Science: (see page 103)

Major

Option A

CHEM 1141, 1143, 1241, 1243, 3001, 3003, 3011, 3013, 3305, 3405, 3603, 3705, 4243, 4305, two hours of 4001. (Those students who wish to continue their studies in graduate biochemistry should take CHEM 4242 and 4253. Those students who wish to obtain ACS certification must take three additional advanced hours in chemistry, exclusive of 3504 and 4233.)

American Chemical Society Certification – With Honors

This designation will be awarded to students fulfilling the following:

1. All regular requirements for the Bachelor of Science with a major in chemistry (Option A) and all the requirements for certification by the Committee on Professional Training of the American Chemical Society.
2. Minimum GPA: 3.0 overall; 3.3 in chemistry courses.
3. A minimum of four semester hours must be earned in independent research (CHEM 4911, 4922, 4933); this should be commenced in the junior year or earlier.
4. Acceptance of a B.S. research paper (covering the undergraduate independent research project) by the chemistry faculty and the chair of the Honors Committee.
5. Presentation of a public lecture on the research paper to the chemistry faculty.

Option B

CHEM 1141, 1143, 1241, 1243, 3001, 3003, 3011, 3013, 3305, 3603, two hours of 4001, and either 3405 or 4242 and 4243.

Minor

Option A

Professional Chemistry or Prechemical Engineering:

Mathematics (See page 308 and the Chemistry Program Adviser for specific course requirements.) OR

Physics (see page 312 and the Chemistry Program Adviser for specific course requirements); OR

Other (see the Chemistry Program Adviser for specific course requirements); OR

Professional Biochemistry - Biology (See page 286 and the Chemistry Program Adviser for specific course requirements.)

Option B

Pre-Medical, Pre-Dental or Pre-Veterinary - Biology (See page 286 and the Health Professions Adviser for specific course requirements.); OR

Business Emphasis - Business Administration (See page 117.); OR

Computer Science Emphasis - Computer Science (See page 296.)

Others (See your academic adviser.)

Additional Requirements:

Requirements common to both optional degree plans:

MATH 1233, 1433, 1634, and 1734; STAT 3573; PHYS 1624 and 2644; and one year of a foreign language.

Option A

MATH 2534, three additional advanced hours in the physical sciences or mathematics of which one hour represents laboratory or problems credit.

Option B

See the Health Professions Adviser for additional Pre-Veterinary medical requirements.

Electives

Additional hours to total a minimum of 124 (including kinesiology requirements).

REQUIREMENTS FOR A MINOR IN CHEMISTRY (22 semester hours)

CHEM 1141, 1143, 1241, 1243, and fourteen additional hours of which six must be advanced, exclusive of organic and introductory environmental chemistry.

Special Problems in CHEM 4911, 4922, 4933 may not be counted toward the minor in chemistry.

COURSES IN CHEMISTRY (CHEM)

1101. Introductory Chemistry Laboratory 1(0-2)

Prerequisite: Credit or concurrent enrollment in CHEM 1103.

Laboratory experiments and demonstrations to accompany CHEM 1103.

1103. Introductory Chemistry (Essentials of Chemistry) 3(3-0)

Prerequisite: MATH 1003.

Recommended for students majoring in business, criminal justice, education, liberal arts, and allied health science programs. An introduction to chemical principles and concepts, environmental chemistry, nuclear chemistry, nutritional chemistry, and other topics.

1141. General Chemistry Laboratory 1(1-3)

Prerequisite: Concurrent enrollment in CHEM 1143.

Basic laboratory practice in chemistry.

- 1143. General Chemistry** 3(3-0)
Prerequisites: Credit or concurrent enrollment in MATH 1233 and credit for either high school chemistry or CHEM 1103.
Atomic and molecular structure, periodic law, states of matter, reactions.
- 1203. Introductory Chemistry** 3(3-0)
Prerequisites: CHEM 1103, 1143, or high school chemistry within 4 years.
Recommended for students in nursing and the allied health sciences. A continuation of CHEM 1103, essentials of organic and biochemistry.
- 1241. General Chemistry Laboratory** 1(1-3)
Prerequisites: CHEM 1141 and concurrent enrollment in CHEM 1243.
Qualitative and quantitative analysis.
- 1243. General Chemistry** 3(3-0)
Prerequisites: CHEM 1143 and MATH 1233.
Solutions, chemical thermodynamics, equilibrium, electrochemistry, and kinetics.
- 3001. Organic Chemistry Laboratory** 1(1-3)
Prerequisites: CHEM 1241 and concurrent enrollment in CHEM 3003.
Laboratory experiments to accompany CHEM 3003. Separation and purification techniques and quantitative methods in organic chemistry. An introduction to organic synthesis.
- 3003. Organic Chemistry** 3(3-0)
Prerequisite: CHEM 1243 with a grade of C or better.
A comprehensive study of the physical and chemical characteristics of compounds of carbon. Reaction mechanisms, synthesis, and reactions of hydrocarbons, alkyl halides, and alcohols.
- 3011. Organic Chemistry Laboratory** 1(1-3)
Prerequisites: CHEM 3001 and concurrent enrollment in CHEM 3013.
Laboratory experiments to accompany CHEM 3013. Methods of organic synthesis, qualitative analysis, and spectroscopic techniques.
- 3013. Organic Chemistry** 3(3-0)
Prerequisite: CHEM 3003 with a grade of C or better recommended.
A continuation of CHEM 3003. Includes properties, synthesis, and reactions of aldehydes, ketones amines, carboxylic acids, and derivatives, multi-functional, and aryl compounds. Spectroscopy of organic compounds.
- 3305. Analytical Chemistry I** 5(3-4)
Prerequisites: CHEM 1241 and 1243.
Theory and laboratory applications of methods of quantitative analysis. Topics include statistical analysis of data, gravimetric analysis, volumetric analysis, potentiometry, basic electrochemistry, spectroscopy, and analytical separations.
- 3405. Analytical Chemistry II** 5(3-4)
Prerequisite: CHEM 3305.
Theory and laboratory applications of modern instrumental methods of analysis. Topics include signal processing, advanced spectroscopy, mass spectrometry, electroanalysis, chromatography, and electrophoresis.
- 3504. Introductory Environmental Chemistry** 4(3-3)
Prerequisites: CHEM 1241 and 1243.

A systematic study of the important chemical principles applicable to environmental systems, including considerations of the sources, detection, treatment and prevention of air, water, and soil pollution.

3603. Physical Chemistry/Thermodynamics 3(3-0)

Prerequisites: CHEM 1241, 1243; MATH 1734; PHYS 1624 and 2644 or consent of instructor.

Classical and statistical thermodynamics, kinetic molecular theory and chemical kinetics.

3705. Physical Chemistry 5(3-4)

Prerequisites: CHEM 3405, 3603, and credit or concurrent enrollment in MATH 2534.

Atomic and molecular structure, experimental physical methods, electrochemistry, theory of reaction rates, and physical chemistry laboratory practice.

4001. Seminar 1 semester hour

Prerequisites: Six advanced hours in chemistry and four seminar attendance credits. (See your chemistry adviser for details.)

Participation in seminar presentations and discussions.

4133. Advanced Organic Chemistry 3(3-0)

Prerequisite: CHEM 3013.

Reaction mechanisms, structure elucidation, stereoisomerism, and conformational analysis.

4233. Molecular Biology 3(3-0)

(Same as BIOL 4233, page 290.)

4242. Biochemistry Laboratory 2(0-4)

Prerequisites: CHEM 3011 and credit or concurrent enrollment in CHEM 4243.

Experimental methods in biochemistry, including quantitative and qualitative techniques, enzyme kinetics, and separation methods for biomolecules.

4243. Biochemistry 3(3-0)

Prerequisite: CHEM 3013.

The structures and properties of biomolecules, enzyme kinetics and mechanism of action, and metabolic energy-yielding pathways.

4253. Biochemistry 3(3-0)

Prerequisite: CHEM 4243.

Oxidative phosphorylation, intermediary metabolism, membrane transport, hormone action, replication, transcription, and translation of genetic information.

4305. Advanced Inorganic Chemistry 5(3-4)

Prerequisites: CHEM 3405 and 3705 (may be concurrent).

A systematic study of the basic principles applicable to inorganic chemistry and the chemistry of selected main group elements, transition metal complexes, organometallic compounds, bioinorganic systems, and inorganic chemistry laboratory practice.

4353. Quantum Physics 3(3-0)

(Same as PHYS 4353, page 314.)

4505. Environmental Chemical Technology

5(3-4)

Prerequisites: CHEM 3305 and 3504.

A survey of chemical principles applicable to the properties and toxicology of hazardous wastes, and prevention and pretreatment strategies for pollution sources, and instruction in advanced techniques in environmental chemical analysis.

4900. Research Orientation

Prerequisites: Consent of the instructor and department chair.

An introduction to research topics and methods.

4911, 4922, 4933. Special Problems in Chemistry

1-3 semester hours

Prerequisites: CHEM 4900; consent of instructor and department chair. See problem course restrictions in general information section of catalog.

Directed chemical research in problems of interest to the student and instructor. Minimum of 54 hours of laboratory work per semester hour credit. Requires a formal written research report. May not be counted toward the minor in chemistry.

4941, 4942, 4943. Chemical Topics

1-3 semester hours

Prerequisites: Consent of the instructor and junior standing.

Advanced topics in chemistry selected according to interests and needs of students.

COMPUTER SCIENCE

Ranette H. Halverson, Chair (Bolin Hall 126A)**Professors:** Carpenter, Donovan, Halverson**Associate Professors:** Passos, Stringfellow**Assistant Professor:** Simpson

The requirements for the degree of Bachelor of Science with a major in computer science are as follows:

Academic Foundations and Core Curriculum (see page 101)**Bachelor of Science** (see page 103)**Program Requirements****Major**

Computer Science 1043, 1053, 2013, 2083, 2133, 3023, 3233, 4103, 4113, 4143, 4991, and twelve hours of computer science electives (nine advanced hours). Computer Science 1023 and 3533 may not be counted toward a major in computer science.

Minor to be selected in a field acceptable to the Chair of the major program. Students may also elect to minor in computer accounting applications which consists of: ACCT 2143, 2243, 3023, 3033, and six advanced hours.

Additional Requirements

ECON 2333

MATH 1634, 1734, 2333, and 3 hours from 3533, 3833, or 4243

PHYS 1624, 2644

STAT 3573

Computer Science Exit Exam

The requirements for the degree of Bachelor of Arts with a major in computer science are as follows:

Academic Foundations and Core Curriculum (see page 101)

Bachelor of Arts (see page 102)

Program Requirements

Major

Computer Science 1043, 1053, 2013, 2083, 2133, 3233, 3493, 4103, 4113, 4123, 4991, and twelve hours of computer science electives (nine advanced hours). Computer Science 1023 and 3533 may not be counted toward a major in computer science.

Minor to be selected in a field acceptable to the Chair of the major program. Students may also elect to minor in computer accounting applications which consists of: ACCT 2143, 2243, 3023, 3033, and six advanced hours.

Additional Requirements

ACCT 2143, 2243

MATH 1233, 1433, 2333, 1634 *or* 4243 *or* other approved math course

STAT 3573

Computer Science Exit Exam

The requirements for a minor in computer science are Computer Science 1043, 1053, 2013, 2083, 2133, and nine hours computer science electives (six advanced hours) to be approved by chair. Computer Science 1023 may not be counted toward a minor in computer science.

COURSES IN COMPUTER SCIENCE (CMPS)

1023. Introduction to Computing

3(2-2)

Prerequisite: ENGL 1003 or satisfactory score on the TASP test or placement exam.

Study of topics related to the use of computers, including history of computing, hardware, software, socioeconomic impact, data communications, the Internet, and World Wide Web. Hands-on laboratory introduces system operation and application of microcomputer-based software packages and World Wide Web. (May not count toward a CMPS major or minor.)

1043. Computer Science I

3(3-0)

Prerequisite: Concurrent enrollment in MATH 1233 or MATH 1203 (for Business majors).

Introduction to methods of problem solving and algorithm development. A high-level programming language is taught with an emphasis on program design, coding, debugging, testing, and documentation. Discussion of ethical, social, and legal issues related to computing.

1053. Computer Science II

3(3-0)

Prerequisites: Minimum grades of C in CMPS 1043 and MATH 1233 or MATH 1203.

A continuation of the development of a disciplined approach to the design, coding, debugging, and testing of programs. Introduction to algorithmic analysis, recursion, data structures, and sorting mechanisms using a high-level language.

2013. Assembly Language Programming 3(3-0)

Prerequisite: Minimum grade of C in CMPS 1043.

Development, writing, and execution of assembly language programs for a contemporary computer architecture. Topics include introduction to the CPU architecture, data representation, addressing, encoding and decoding of program statements, integer arithmetic, logical operations, looping structure, table processing, and subroutine development and protocols. Emphasis is placed on program structuring.

2083. Computer Organization 3(3-0)

Prerequisite: Minimum grade of C in CMPS 2013.

Study of functions and logical relationships of digital computer components including memories, processors, data channels, and input/output devices. Also covered are machine independent concepts such as data representation, addressing techniques, and a brief introduction to system software.

2133. Data Structures 3(3-0)

Prerequisites: Minimum grades of C in CMPS 1053 and MATH 2333.

Object-oriented approach to design and analysis of algorithms, particularly those related to the processing of data structures, including trees, graphs, and linked lists. Other techniques include searching, sorting, and merging. Discussion of legal, social, and ethical issues.

3023. Microprocessors 3(3-0)

Prerequisite: Minimum grade of C in CMPS 2083.

Study of topics related to modern microprocessors, including logic design, micro-processor architecture, interfaces, device drivers, interrupt systems, and performance parameters. Also the use of hardware description languages. Discussion of legal, social, and ethical issues.

3233. Theory of Computation 3(3-0)

Prerequisites: Minimum grades of C in CMPS 2133 and MATH 2333.

Study of the fundamental mathematical properties of hardware, software, and their applications. Emphasis is on the capabilities and limitation of computers, including finite automata, push-down automata, and Turing machines.

3493. Internet Programming 3(3-0)

Prerequisite: Minimum grade of C in CMPS 2133.

This class introduces the technologies and issues involved with programming Internet and Intranet applications. It involves the study of several Internet languages such as Dynamic HTML and Javascript, file format types, basic database access, SQL, and common tasks such as representing, storing, compressing, manipulating, interacting with, and presenting text, drawings, still images, animations, audio and video in web pages.

3533. Numerical Analysis 3(3-0)

Prerequisites: CMPS 1043 and MATH 1734.

Use of numerical methods for function approximation, solutions of equations and systems of equations, differentiations, integration, and differential equations. Includes analysis, design, and writing of programs. (May not be counted toward a major in computer science. MATH 3533 and CMPS 3533 cannot both be taken for credit.)

4103. Introduction to Operating Systems 3(3-0)

Prerequisites: Minimum grades of C in CMPS 2083 and CMPS 2133.

An introduction to operating systems for contemporary multitasking, single processor computers. Topics include processes, process management and scheduling,

interprocess synchronization and communication, memory management, and file management. Selected theory and concepts are supplemented with an examination of their implementation in contemporary operating systems. Discussion of legal, social, and ethical issues.

4113. Software Engineering 3(3-0)

Prerequisites: CMPS 2133 and 6 advanced hours in computer science.

Application of structured methodology and formal methods to the design, implementation, and documentation of computer software systems. Includes an introduction to the management of software development teams, requirements analysis, testing procedures, and user interface design. Discussion of legal, social, and ethical issues.

4123. Data Base Management Systems 3(3-0)

Prerequisite: CMPS 2133.

A study of concepts, characteristics, design, and implementation of database management systems. Hierarchical, network, and relational approaches to DBMS designs are examined. Advanced models such as object-oriented databases and image retrieval systems are also discussed. Query languages are presented.

4143. Topics in Contemporary Programming Languages 3(3-0)

Prerequisites: CMPS 2083 and 2133.

A study of the syntax, semantics, and implementation of a contemporary programming language with emphasis on program development, program structuring, and the program development environment of the language. Assignments focus on representative applications of the language. May be repeated for credit with approval of the department chair.

4213. Introduction to Computer Graphics 3(3-0)

Prerequisites: CMPS 2133 and MATH 1634.

Introduction to computer methods for generating graphical displays. Topics include bit-mapped graphics on microcomputers, plotting, and design of software for 2-dimensional and 3-dimensional displays.

4223. Modeling and Simulation 3(3-0)

Prerequisites: CMPS 2133 and STAT 3573.

Introduction to modeling and simulation of discrete systems with emphasis on queuing systems. Projects using high-level languages and a special purpose simulation language.

4233. Artificial Intelligence 3(3-0)

Prerequisite: CMPS 2133.

Knowledge representation, state space search techniques, image processing, pattern matching, machine reasoning, and problem solving using LISP.

4313. Interactive Multimedia Systems 3(3-0)

Prerequisite: CMPS 4213.

Introduction to design and programming of interactive multimedia applications. Emphasis is on event driven, object-oriented programming in the design and creation of applications utilizing sound, video, 3D graphics, and computer animation. Utilization of contemporary graphics API's in development of 3D virtual environments frequently encountered in modern, interactive games.

4433. Computer Communications and Networks 3(3-0)

Prerequisites: CMPS 2083 and CMPS 2133.

A study of hardware and software used in data communication systems; the seven

OSI network layers are discussed and compared to other implementations. Consideration is given to communication media, protocols, packet switching networks, local- and wide-area networks, high speed networks, the Internet, and the World Wide Web. Applications such as file transfer, interactive access, web browsers, and server mechanisms are also presented.

4453. Computer Architecture 3(3-0)

Prerequisite: CMPS 2083.

A study of the organization and interconnection of components of computer systems. Emphasis is given to the study of the instruction set and performance analysis of different computer architectures. Also included in the study are microprogramming, pipeline, overlap processing, superscalar, parallel, and massively parallel architectures. Current trends in computer design are also discussed.

4883. Topics in Computer Science 3(3-0)

Prerequisite: Consent of the instructor.

Selected topics from advanced computer science. May be repeated for credit with consent of chair.

4991. Seminar in Social Responsibility 1 semester hour

Prerequisite: Must be in last long semester prior to graduation.

A self-study in the ethical, legal, and social issues related to computing. Students research, prepare, and present a talk on a related issue.

4993. Special Problems 3 semester hours

Prerequisite: Consent of the chair.

Directed research in computer science.

ENGINEERING DRAWING

Professor: Sutko

Associate Professor: Faulk

Professor Emeritus: Brackeen

COURSES IN ENGINEERING DRAWING (ENDR)

1133. Engineering Graphics 3(2-4)

Prerequisite: MATH 1003 or satisfactory score on the TASP test or placement exam.

Essentials of drafting and blueprint reading: orthographic projections, sectional views, pictorial drawing, geometric and dimensional tolerancing, finishing symbols. Introduction to sketching, computer-aided-drafting, and technical graphs.

2134. Computer Aided Drafting 4(2-4)

Prerequisite: ENDR 1133.

Introduction to hardware, software, and nomenclature used in computer aided drafting. Instruction in CAD operations and commands including applications and hands-on use.

ENVIRONMENTAL SCIENCE

Phillip D. Voegel, Chair (Bolin Hall 307E)

Professors: See Biology, Chemistry, and Geology

A program of study leading to the degree of Bachelor of Science with a major in environmental science is as follows:

The degree is an interdisciplinary program that covers the basic sciences. Environmental problems are multifaceted and require problem-solving skills that cover breadth in each of the sciences.

General: (see page 99)

Academic Foundations and Core Curriculum: (see page 101)

Bachelor of Science: (see page 103)

Major:

Interdisciplinary - ENSC 1114, 3103, 4001, 4103; BIOL 1144, 1544, 3044, 3534, 4684; CHEM 1141, 1143, 1241, 1243, 3305, 3504, 4505; GEOL 1134, 2134, 3023, 3234, 4634, and three additional advanced hours from biology or geology.

Minor:

No minor required.

Program Requirements:

PHYS 1144 and 1244; MATH 1433; STAT 3573; two semesters of one foreign language.

COURSES IN ENVIRONMENTAL SCIENCE (ENSC)

1114. Foundations of Environmental Science 4(3-2)

A survey of topics in environmental science including natural resources, populations, ecosystems, biodiversity, and the impact of humans on the environment.

3103. Environmental Policies and Laws 3(3-0)

Prerequisites: Two science courses which include ENSC 1114; POLS 1333, 1433.

An analysis of contemporary problems in establishing policy, legislation, and regulation to protect the environment at all levels of government from the international to the local level.

4001. Environmental Science Seminar 1(1-0)

Prerequisite: Senior environmental science major or consent of the instructor.

This course will expose students to current research in environmental science through participation in discussion, presentation of literature or research topics, and interaction with invited speakers.

4103. Internship 3(3-0)

Prerequisites: Seven hours ENSC and two years of biology, chemistry, or geology either combined or separately.

Field experience in selected agencies.

See Biology, Chemistry, and Geology described in the respective program areas of the catalog.

GENERAL SCIENCE

These courses are limited to students who are pursuing their teacher certification with a Bachelor of Science in Interdisciplinary Studies or a Bachelor of Science (with a science major) with Secondary Certification. (See page 139.)

COURSES IN GENERAL SCIENCE (GNSC)

1104. Life/Earth Science 4(3-2)

A basic course designed to introduce students to the scientific methods and topics in biology and earth science. Creditable only for students seeking grades 1-4 and 4-8 education certification.

1204. Physical Science 4(3-2)

An introductory survey of topics in physics and chemistry. Creditable only for students seeking grades 1-4 and 4-8 education certification.

3104. Concepts of Science 4(3-2)

Prerequisites: One year of science.

The curriculum will emphasize the interaction of the science disciplines and feature the fundamental principles of physical, biological and earth sciences in the elementary and middle school science. Creditable only for students seeking grades 1-4 and 4-8 education certification.

3204. Concepts of Science 4(3-2)

Prerequisites: Two years of laboratory science (minimum 12 hours).

The curriculum will emphasize the interaction of the science disciplines and feature the fundamental principles of physical, biological and earth sciences in the secondary school science. Creditable only for students seeking secondary certification.

GEOLOGY

M. John Kocurko, Chair (Bolin Hall 102A)

Professors: Kocurko, Watkins

A program of study leading to the
Bachelor of Arts degree

Option A: Emphasis in **Geology**

Major

GEOL 1134, 1233, 2134, 3234, 3734, 3434, 3534, 3633, 4634, 4001.

Minor

To be chosen in consultation with the student's adviser, and approved by the department chair.

Academic Foundations and Core Curriculum (all options see page 101)

Program Requirements

CHEM 1141, 1143, 1241, 1243, or the sequence CHEM 1101, 1103 and BIOL 1144 or 1544. PHYS 1144, 1244. MATH 1233 and 1433. Six hours of sophomore literature, and two years of a single foreign language (or the equivalent of one language through the second year). See page 102.

A program of study leading to the
Bachelor of Science degree

Option B. **Geology** (Graduate school preparation)

Major

GEOL 1134, 1233, 2134, 3234, 3434, 3534, 3633, 3734, 3836, 4233, 4634, and one semester of 4001.

Minor

Minor to be chosen in consultation with the student's adviser, and approved by the department chair. A minor in biology, chemistry, physics, mathematics, computer science, or engineering technology is strongly recommended.

Interdisciplinary Minor

Geology Majors Only: BIOL 1144 and 1544; CHEM 1141, 1143, 1241 and 1243; plus six additional advanced hours from Biology or Chemistry (exclusive of organic chemistry).

Academic Foundations and Core Curriculum (all options see page 101)

Program Requirements

Option B: CHEM 1141, 1143, 1241, 1243, PHYS 1144, 1244, MATH 1634 and 1734. One year of a single foreign language.

Requirements for a minor in Geology

GEOL 1134, 1233, and 11 additional hours in geology, six of which must be advanced.

COURSES IN GEOLOGY (GEOL)

1134. **Physical Geology** 4(3-2)

Elements of earth science including the study of earth materials, interpretation of geologic evidence, and study of geological processes.

1233. **Historical Geology** 3(2-2)

Geologic history and evolution of the Earth, including the life histories of plants and animals.

2134. **Mineralogy** 4(3-3)

Prerequisites: GEOL 1134, CHEM 1141 and 1143 or 1101 and 1103, or consent of the instructor.

An integrated study of the physical and chemical characteristics of minerals and the conditions under which they form, including crystallography and crystal structure, crystal chemistry and variability, mineral associations and genesis, and systematic description and identification.

3023. Environmental Science 3(2-3)

Prerequisites: One year of college level science is recommended.

A study of the earth as a habitat; conservation of resources, land-use planning and pollution problems arising from intensive use of the land by increasing numbers of people.

3133. Oceanography and Meteorology 3(2-3)

Prerequisite: GEOL 1134 or consent of the instructor.

An introduction to the earth's fluid environment; physical, chemical, biological, and geological oceanography.

3234. Petrology 4(3-3)

Prerequisite: GEOL 2134 or consent of the instructor. CHEM 1241 and 1243, and MATH 1433 are recommended.

An examination of the characteristics and origins of igneous, sedimentary, and metamorphic rocks, including the application of experimental and theoretical studies of rock genesis. Laboratory work emphasizes the systematic description, classification, and identification of rocks in hand specimen and thin section.

3434. Structural Geology 4(3-3)

Prerequisites: GEOL 3234, MATH 1433, or consent of the instructor.

A survey of topics in structural geology, including rock mechanics, classification of structural features, and geotectonics. Laboratory work emphasizes techniques in the solution of both surface and subsurface problems, field mapping, and geophysical techniques.

3534. Invertebrate Paleontology 4(3-3)

Prerequisites: GEOL 1134, 1233.

An introduction to the study of fossil invertebrates, including comparison of living and fossil forms, their morphology, classification, ecology, and geologic history.

3633. Stratigraphy 3(3-0)

Prerequisite: GEOL 3534 or consent of the instructor.

An introduction to the study and interpretation of stratified sedimentary rocks, including their identification, description, condition of origin, sequence, mapping, and correlation.

3734. Geomorphology 4(3-3)

Prerequisites: GEOL 1134 and 1233, or consent of the instructor.

A systematic analysis of the morphology of the Earth's surface—both the continents and the sea floor—and of the processes which shape that surface. Laboratory work emphasizes the use of topographic maps and aerial photography for geomorphic and geologic interpretation.

3836. Field Geology 6(3-6)

Prerequisite: GEOL 3434 or consent of the instructor.

Techniques of geologic surveying utilizing Brunton compass, barometer, air photos, plane table, and alidade. Measuring, mapping, and interpretation of geologic structures and stratigraphy as observed in the field.

4001. Seminar 1(1-0)

Prerequisite: Consent of the instructor.

Participation in seminar discussions, and presentation of formal reports.

4233. Hydrogeology 3(2-3)

Prerequisites: GEOL 1134, 1234, or consent of the instructor.

This course deals with the interrelationships of geologic materials and processes with water. Water resources will be examined based on occurrence, movement, and chemistry.

4334. Advanced Topics in Geology 4(3-3)

Prerequisite: Consent of the instructor.

Lectures, discussion, reading, and/or laboratory work on advanced topics in geology.

4634. Sedimentology 4(3-3)

Prerequisite: GEOL 3234 or the consent of the instructor.

Analysis of depositional environments based on the chemical and physical formation of sediment, the physics of sediment transport, and post-depositional diagenetic phenomena. Laboratory work emphasizes textural analysis of sediments and petrographic analysis of thin sections, general statistical analysis and report preparation.

4911, 4912, 4913. Special Problems in Geology 1-3 semester hours

Prerequisites: Upper level classification and consent of the department chair and instructor.

Directed field and laboratory research in problems of geological interest.

**THE CHARLES AND ELIZABETH PROTHRO
DISTINGUISHED PROFESSORSHIP OF GEOLOGICAL
SCIENCES ENDOWED BY PERKINS-PROTHRO
FOUNDATION OF WICHITA FALLS**

The endowment was established in 1986 to support the work and research of a professor in the geology-geophysics program. The professorship provides an annual stipend and support for research, travel, and publication costs.

Dr. M. John Kocurko, Professor of Geology, is the first person to be designated for this professorship. He holds the Ph.D. from Texas Tech University, and he is the author of numerous articles. He is involved in research projects in the following areas: sedimentology and vertebrate paleontology of the Baylor County, Texas area; fossil Octocorallia of the Gulf Coast region; modern Octocorallia of the Texas coast; geomicrobiology and its relationship with mineral diagenesis; environmental pollution due to drilling of wells. Dr. Kocurko's research projects extend from the Texas Panhandle to the Wichita Falls area and to several coastal studies from Texas to Florida.

**MANUFACTURING ENGINEERING
TECHNOLOGY**

Jerry D. Faulk, Chair (McCullough Hall 101)

Professor: Sutko

Associate Professor: Faulk

Assistant Professor: Brink

The requirements for the degree of Bachelor of Science with a major in manufacturing engineering technology are as follows:

Academic Foundations and Core Curriculum (see page 101)

Bachelor of Science (see page 103)

Program Requirements:

Major

MENT 1334, 1342, 2123, 2143, 3103, 3134, 3333, 3403, 3503, 4103, 4113, 4213, 4603, 4742, and 3 semester hours selected from 4911 and 4912.

Additional Requirements

ENDR 1133, 2134
 MATH 1433, 1634, 1734
 PHYS 2014, 2114
 CHEM 1141, 1143
 PHYS 1144, 1244 (or PHYS 1624, 2644)
 CMPS 1043
 ENGL 3203
 STAT 3573, 3583

Mathematics-Statistics minor for this degree will consist of MATH 1233, 1433, 1634, 1734, and STAT 3573, 3583.

The requirements for a minor in Manufacturing Engineering Technology are MENT 1334, 2123, 2143, 3134, and six additional hours of MENT courses, at least three of which must be advanced.

COURSES IN MANUFACTURING ENGINEERING TECHNOLOGY (MENT)

1334. **Fluid Power I** (formerly 2334) 4(2-4)

The study of components used in hydraulic and pneumatic systems. The students will also learn to size components, analyze, and design fluid power circuits using ANSI fluid power diagrams.

1342. **Fluid Power II** (formerly 2343) 2(1-2)

Prerequisite: MENT 1334.

The study and design of hard-wired electrical ladder logic as applied to fluid power circuits. The student will also learn to analyze cartridge valve circuits. The students work in groups and design and build a machine tool using fluid power and mechanical components with electrical ladder logic.

2123. **Manufacturing Processes I** (formerly 1123) 3(2-3)

General introduction to materials, processes, and equipment used in manufacturing. Includes industrial tours. Laboratory emphasis will be on machine tool processes.

2143. **Manufacturing Processes II** (formerly 1143) 3(2-3)

Theory of welding, casting, powder metallurgy, and other processes. Includes industrial tours. Laboratory emphasis will be on welding processes.

3103. **Statics** 3(3-0)

Prerequisite: MATH 1433.

Composition and resolution of forces. Equilibrium of forces acting on structures and machines. Friction, moments, couples, centroids, and moments of inertia.

3134. Material Science 4(2-4)

Prerequisites: MATH 1233, CHEM 1143 or high school chemistry.

The study of the physical and mechanical characteristics of materials and an emphasis on building and manufacturing materials. The effect of chemical composition, mechanical treatment, and thermal or heat treatment upon material properties will be discussed.

3333. Engineering Economy 3(3-0)

Prerequisites: Junior standing, MATH 1233.

Application of economic analysis to engineering decisions. Considerations include cost, value, depreciation, interest, worth, rate of return, and inflation. Use of a computer to solve problems will be required.

3403. Automation I (formerly 4403) 3(2-2)

Prerequisites: MENT 1342 or a knowledge of electrical ladder logic. The student must have a knowledge of a high level computer language such as taught in CMPS 1043.

The study of PLC's, robotics, design for automation, automated material handling and storage systems, automated inspection, fixed and flexible automation.

3503. Automation II (formerly 4502) 3(2-2)

Prerequisites: MENT 3403, PHYS 1244 or 2014.

The study of CNC, DNC, servo feedback systems (in particular servo hydraulic feedback systems), computer integrated manufacturing, shop floor control, flexible manufacturing systems, and additional PLC programming.

3993. Cooperative Manufacturing Engineering Technology Education Practicum 3(0-3)

Prerequisites: Junior standing and a practicum agreement with a selected manufacturer or other industry.

This course provides students with opportunities to integrate the basic principles of manufacturing engineering technology obtained from the program's courses to actual applications in manufacturing or related environment. The course provides professional experiences in manufacturing or related technology prior to graduation, allowing students to have an understanding of basic principle applications.

4103. Strength of Materials 3(3-0)

Prerequisites: MATH 1634, MENT 3103.

Stress and strain and their relation to loads. Axial, torsional and bending loads, beam deflection, columns and combined stresses. Applications emphasized.

4113. Basic Instrumentation (formerly 3113) 3(2-2)

Prerequisite: PHYS 1244 or 2014.

Measurement of temperature, pressure, flow and other variables. Study of sensing and transmission of pneumatic and electrical signals for use in industrial control systems. Use of a computer for word processing and graphing will be required.

4213. Thermodynamics (formerly 3213) 3(3-0)

Prerequisites: PHYS 1144, MATH 1634.

Basic scientific principles of energy and behavior of substances as related to engines and systems. Gas laws, vapors, and engine cycles.

4603. Production Planning and Control 3(3-0)

Prerequisite: ENDR 2134.

Forecasting, motion and time study, inventory control, ergonomics, learning

curves, optimization techniques, safety, plant layout, concurrent engineering, design for manufacturing, and related topics such as maintenance.

4742. Capstone Project 2(0-4)

Prerequisites: Senior standing and written permission of the department chair. (Student must be within two regular semesters of graduation, or must have finished all required MENT courses.)

A senior project utilizing the knowledge the student has gained from MENT courses. The project will be conducted at a local manufacturer and will require a report and a presentation.

4911, 4912. Selected Topics 1-2 semester hours

Prerequisite: Consent of the instructor.

Selected topics in manufacturing engineering technology. May be repeated for credit when topics vary.

MATHEMATICS

William E. Hinds, Chair (Bolin Hall 113)

Professors: Donovan, Farris, Hinds

Associate Professors: Fosnaugh, Mitchell, Schmitter, Tucker, Warndorf

Assistant Professors: May, Slavens, Spiller

Instructors: Belcher, Johnson, Layton, Newton

Professors Emeriti: Huffman, Meux, Rowell

The requirements for the Bachelor of Arts and Bachelor of Science degrees with majors in mathematics are as follows:

Academic Foundations and Core Curriculum (see page 101)

Bachelor of Science (see page 103)

Bachelor of Arts (see page 102)

Program Requirements

Major

Mathematics 1634, 1734, 2534, 3293, 3833, either 4733 and 4833, or 4133 and 4143, plus nine additional advanced hours exclusive of Math 3113.

Additional Requirements

Consult adviser for approved minor and specific courses.

CMPS 1043, 1053

STAT 3573 or MATH 4143

Requirements for a minor in Mathematics.

Eighteen hours of mathematics to include 1634, 1734, 2534, and six advanced hours exclusive of 3033, 3113, 3133 and 4033.

CREDIT BY EXAMINATION

A maximum of eight hours of mathematics credit may be obtained by proficiency examinations. These examinations are given in the areas of algebra, trigonometry, and calculus. For more information, students may contact the Chair of Mathematics.

COURSES IN MATHEMATICS (MATH)**0003. Beginning Algebra** 3(3-0)

Properties of integers, fractions, decimals, percentages, linear equations and inequalities and their graphs, integer exponents, polynomials, deductive and inductive reasoning; interpretation of data from graphs and charts, and geometric problems.

1003. Intermediate Algebra 3(3-0)

Prerequisite: MATH 0003, math TASP of 230-269, or satisfactory score on placement exam.

Factoring polynomials, quadratic equations and their graphs, rational expressions, rational exponents, radicals, and systems of linear equations.

1053. Contemporary Mathematics 3(3-0)

Prerequisite: MATH 1003, math TASP of 270, or satisfactory score on placement exam.

A survey of the use of mathematics in the modern world. Topics include: theory of elections and apportionment, graphs and networks, growth and symmetry, or statistics.

1113. Concepts of Algebra 3(3-0)

Prerequisite: MATH 1003 with a grade of C or better, math TASP of 270, or satisfactory score on placement exam.

Teaching techniques and applications of algebraic concepts for the K-8 classroom. Equations, inequalities, rational expressions, exponents, radicals, functions, graphs, and systems of equations and inequalities. This course is designed for students planning to be certified to teach in grades K-8. Each student must have a graphing calculator.

1203. Mathematical Analysis for Business 3(3-0)

Prerequisite: MATH 1003, math TASP of 270, or satisfactory score on placement exam.

Review of algebra, linear and quadratic equations, graphs, progressions and mathematics of finance, matrix operations, and introduction to probability. Each student must have a graphing calculator.

1233. College Algebra 3(3-0)

Prerequisite: MATH 1003, math TASP of 270, or satisfactory score on placement exam.

Equations, inequalities, rational expressions, exponents, radicals, functions, graphs, and systems of equations and inequalities. Each student must have a graphing calculator. (This course is designed for students planning to take additional mathematics.)

1433. Plane Trigonometry 3(3-0)

Prerequisite: MATH 1233 with grade of C or better.

Trigonometric functions, identities and equations, logarithms, complex numbers. Each student must have a graphing calculator.

1634. Calculus I 4(4-0)

Prerequisites: MATH 1233 and 1433 with grades of C or better.

Differentiation of functions of one variable with applications, integration including simple substitution and numerical evaluation, and applications of integration. Each student must have a graphing calculator.

1734. Calculus II 4(4-0)

Prerequisite: MATH 1634 with a grade of C or better.

Elementary transcendental functions, techniques of integration, sequences, series,

Taylor's formula, conic sections, parameterized curves, and polar coordinates. Each student must have a graphing calculator.

2033. Structure of the Number System I 3(3-0)

Prerequisite: MATH 1113 or 1233.

The language of mathematics; the theory of sets, relations and functions; the theory and structure of number systems; the integers, rational numbers, elementary number theory, and the mathematical basis for the use of manipulatives.

2043. Structure of the Number System II 3(3-0)

Prerequisite: MATH 2033.

Real numbers, an introduction to probability and statistics, geometric shapes, constructions and measurement, and the mathematical basis for the use of manipulatives.

2333. Discrete Mathematical Structures 3(3-0)

Prerequisites: MATH 1233 and knowledge of a high-level programming language.

Logic, combinatorics, functions, graphs, Boolean algebra, logic networks, algebraic structures, finite state machines, and computability.

2534. Calculus III 4(4-0)

Prerequisite: MATH 1734.

Space geometry and vectors, vector-valued functions, partial differentiation with applications, and multiple integration with applications. Each student must have a graphing calculator.

3033. Modeling 3(3-0)

Prerequisite: MATH 2043.

Geometric and algebraic models, functions, graphs, limits, rates of change, and techniques for approximating length, area, and volume.

3113. Techniques in Problem Solving 3(3-0)

Prerequisites: Twelve hours of mathematics (exclusive of 0003 and 1003).

Problem solving techniques and strategies using patterns, logic, number theory, algebra, geometry, combinatorics, strategy games, and network theory.

3133. Foundations of Geometry 3(3-0)

Prerequisites: Twelve hours of math (exclusive of 0003 and 1003).

Elementary geometry from an advanced point of view, the reformulation of basic concepts in terms of modern mathematics and other modern concepts of geometry.

3293. Algebraic Structures 3(3-0)

Prerequisites: Nine hours of math (exclusive of 0003 and 1003).

Introduction to algebraic structures; groups; rings; fields; introduction to vector spaces.

3353. Discrete Dynamical Systems 3(3-0)

Prerequisite: MATH 1734.

Iteration of functions, Quadratic maps on the line and on the plane, orbit diagrams, Julia sets, Mandelbrot sets, iterated function systems.

3433. Differential Equations 3(3-0)

Prerequisite: MATH 1734.

Introduction to the theory of and applications of ordinary differential equations; solution techniques for linear and separable equations; numerical approximation of solutions including series methods; introduction to phase plane analysis and non-linear problems.

3533. Numerical Analysis 3(3-0)

Prerequisites: MATH 1734 and CMPS 1043.

Use of numerical methods for function approximation, solution of equations and systems of equations, differentiation and integration, and solution of differential equations. Involves analysis, design, and writing of programs. MATH 3533 and CMPS 3533 cannot both be taken for credit.

3833. Linear Algebra 3(3-0)

Prerequisite: MATH 1634.

Vector spaces, linear equations and matrices, linear transformations and matrices, determinants, polynomials and matrices. Each student must have a calculator with matrix capabilities.

FOR UNDERGRADUATES AND GRADUATES**4003. History of Mathematics** 3(3-0)

Prerequisite: MATH 1734.

A survey of the development of major mathematical topics, including geometry, algebra, calculus, and advanced mathematics. Philosophical and cultural aspects will be integrated with the structure, theorems and applications of mathematics.

4033. Foundations of Discrete Mathematics 3(3-0)

Prerequisites: Six hours of advanced mathematics.

Set theory, mathematical induction, difference equations, number theory, graph theory, and introduction to proofs. (This course is designed for students planning to teach grades 4-8 mathematics.)

4133. Mathematical Statistics I 3(3-0)

Prerequisite: MATH 2534 or consent of instructor.

Probability theory, random variables, distributions, generating functions, and limit theorems.

4143. Mathematical Statistics II 3(3-0)

Prerequisite: MATH 4133.

Sampling distributions, point and interval estimation, hypothesis testing, goodness of fit, ANOVA, correlation, and regression.

4223. Discrete Mathematics 3(3-0)

Prerequisites: 12 hours of math (exclusive of 0003 and 1003).

Combinatorics, graph theory, and difference equations.

4243. Operations Research I 3(3-0)

Prerequisites: MATH 1734 and CMPS 1043.

A study of linear programming including convex sets, geometric solutions, simplex methods, duality, sensitivity analysis, and integer programming.

4253. Operations Research II 3(3-0)

Prerequisites: MATH 4243 and STAT 3573.

Network analysis, game theory, waiting line models, simulation, dynamic programming, and nonlinear programming.

4293. Introduction to Ring Theory 3(3-0)

Prerequisite: MATH 3293.

Foundations of ring theory including properties of modular rings, integral domains, ideals, quotient rings, ring homomorphisms, polynomial rings, and fields.

4453. **Theory of Numbers** 3(3-0)
 Prerequisites: 12 hours of math.
 Divisors and prime numbers; congruences; primitive roots; quadratic residues; continued fractions.
4573. **Complex Analysis** 3(3-0)
 Prerequisite: MATH 2534.
 Functions of one complex variable, Cauchy integral formula, Taylor series.
4733. **Introductory Analysis I** 3(3-0)
 Prerequisites: MATH 1734, 3293, or consent of instructor.
 Foundations of the calculus to include sequences, series, continuity, differentiation, and integration.
4833. **Introductory Analysis II** 3(3-0)
 Prerequisite: MATH 4733.
 A continuation of MATH 4733.
4933. **Topics** 3(3-0)
 Prerequisite: Consent of the instructor.
 Selected topics from advanced mathematics. May be repeated for credit with consent of chair.
- 4991, 4992, 4993. **Special Problems** 1-3 semester hours
 Prerequisite: Consent of the chair (see page 91).
 Directed research in mathematics.

PHYSICS

Richard Fleming, Chair (Bolin Hall 307C)

Associate Professor: Fleming

Assistant Professor: Rhoads

Professors Emeriti: Holverson, Sims

The requirements for the degree of Bachelor of Science with a major in physics are as follows:

Major (32 hours)

Physics 1624, 2644, 3313, 3323, 3333, 3343, 4303, 4323, 4343, 4353

Minor (18 hours)

Mathematics 1634, 1734, 2534, 3433, 3833

Academic Foundations and Core Curriculum (see page 101)

Program Requirements

CHEM 1141, 1143, 1241, 1243

Requirements for a Minor in Physics

PHYS 1624, 2644, and twelve additional hours of which six must be advanced.

COURSES IN PHYSICS (PHYS)

1144. **General Physics** 4(3-2)
 Prerequisite: MATH 1433 or consent of department chair.

Mechanics, heat, and sound. The first part of a two semester course in classical and modern physics designed for students who desire a quantitative understanding of physics without calculus.

1244. General Physics 4(3-2)

Prerequisite: PHYS 1144.

Electricity and magnetism, optics, and modern physics. The second of a two semester course in classical and modern physics designed for students who desire a quantitative understanding of physics without calculus.

1533. Descriptive Astronomy 3(2-2)

Prerequisite: MATH 1003 or equivalent.

A survey course in astronomy designed to meet the needs of students majoring in liberal arts, business, and education. Lectures, films, demonstrations, and laboratory work, including the use of the planetarium and telescopes, will be utilized.

1624. Mechanics, Wave Motion, and Heat 4(3-2)

Prerequisite: Credit or registration in MATH 1634.

The first part of a two-semester course in classical and modern physics for students majoring in science.

2014. Electronics I 4(3-2)

Prerequisite: MATH 1433 or consent of department chair.

Units, electric fields, DC series and parallel circuits, Kirchoff's Laws, network analysis, and AC circuits.

2114. Electronics II 4(3-2)

Prerequisite: PHYS 2014.

Introduction to semiconductor devices, basic amplifiers and feedback, symbolic logic, Boolean algebra, basic TTL gates, counters and flip-flops, shift registers.

2644. Electricity and Magnetism and Optics 4(3-2)

Prerequisites: PHYS 1624 and credit for or registration in MATH 1734.

The second part of a two-semester course in classical and modern physics for students majoring in science.

3313. Mechanics 3(3-0)

Prerequisites: PHYS 1624 and credit for or registration in MATH 2534 or 3433.

A mathematical treatment of classical mechanics. Topics includes vector analysis, Newtonian mechanics, oscillations, calculus of variations, and Lagrangian and Hamiltonian dynamics.

3323. Electromagnetic Field Theory 3(3-0)

Prerequisites: PHYS 2644 and credit for or registration in MATH 2534 or 3433.

A mathematical treatment of classical electromagnetic theory. Topics include electrostatics, electrodynamics, vector calculus, and Maxwell's equations and their applications.

3333. Thermodynamics 3(3-0)

Prerequisites: PHYS 2644 and credit for or registration in MATH 2534.

A mathematical treatment of the fundamentals of thermal physics. Topics include the concept of temperature, equations of state, first and second laws of thermodynamics, entropy, change of phase, and thermodynamic functions.

3343. Modern Physics I 3(3-0)

Prerequisites: PHYS 2644 and credit for or registration in MATH 2534 or 3433.

A course in relativity and elementary quantum mechanics. Topics include space-time, relativistic energy and momentum, Heisenberg's Uncertainty Principle, Schrodinger's Equation, observables and operators, bound states, potential barriers, and the hydrogen atom.

4303. Mathematical Methods of Physics 3(3-0)

Prerequisite: MATH 2534 or 3433.

A course presenting mathematical techniques used in physics and engineering. Topics include infinite series, integral transforms, complex variables, matrices and tensors, special functions, partial differential equations, Green's functions.

4323. Optics 3(3-0)

Prerequisites: Credit or registration in MATH 2534, PHYS 2644.

A mathematical treatment of the modern theory of optics. Topics include Huygen's principle, interference, diffraction, polarization, crystal optics, electromagnetic theory of light, the interaction of light with matter, and quantum optics.

4343. Modern Physics II 3(3-0)

Prerequisite: PHYS 3343.

The constitution of the atomic nucleus; natural radioactivity; artificially induced nuclear transmutations; alpha, beta, and gamma decay; nuclear reactions; nuclear structure and nuclear forces; nuclear fission; neutron physics.

4353. Quantum Physics 3(3-0)

Prerequisite: PHYS 3343, MATH 3433, or consent of instructor.

The Schroedinger Equation, one dimensional systems; the Heisenberg Uncertainty Principle; magnetic moments and angular momentum; two and three dimensional systems; approximation methods; scattering theory.

4833. Theoretical Problems 3 semester hours

Prerequisite: Permission of the chair of Physics.

4911, 4933. Experimental Problems 1, 3 semester hours

Prerequisite: Permission of the chair of Physics.

STATISTICS

Professor: Hinds

Associate Professor: Schmitter

COURSES IN STATISTICS (STAT)

3573. Probability and Statistics 3(3-0)

Prerequisite: MATH 1233.

Descriptive analysis, probability, variability, confidence intervals, hypotheses testing, analysis of variance, correlation and regression, nonparametric statistics.

3583. Statistical Quality Control 3(3-0)

Prerequisite: STAT 3573.

Control charts, tolerance limits, acceptance sampling, reliability, and process capability.

3593. Design of Experiments

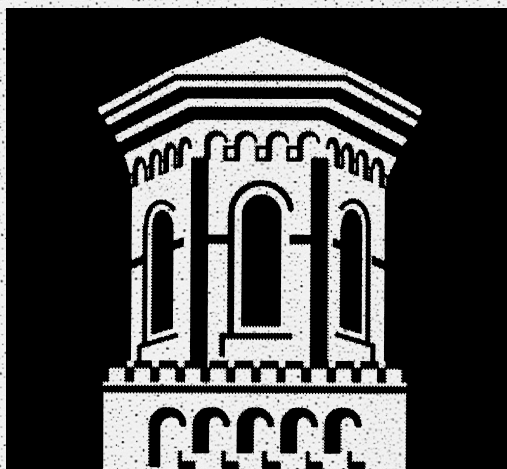
3(3-0)

Prerequisite: STAT 3573.

Basic ideas of experimental design, completely randomized design, randomized block design, Latin squares, factorial designs, confounding, factorial replication, and incomplete block designs.







CONTINUING EDUCATION

CONTINUING EDUCATION

Pam Morgan, Director (Hardin Hall 226)

Continuing Education is a community-oriented service provided through non-credit, personal enrichment courses, seminars, conferences, and workshops designed to meet your needs and educational requirements.

Continuing Education works with businesses, industries, and agencies to develop in-house programs; to develop, coordinate, and implement conferences, seminars, and institutes or other special programs; co-sponsor programs with interested groups, agencies, or professional organizations and develop community enrichment events. Programming may be flexible and scheduled to fit the particular goal to be attained.

The University reserves the right to substitute speakers or instructors if unavoidable circumstances make it necessary.

Certificates and Continuing Education Units For Professional Development

Formal recognition is awarded for the completion of Continuing Education professional or skill programs through the issuance of Continuing Education Units (CEU) and a certificate. A CEU is a nationally recognized, standard unit of measurement awarded for every ten contact hours of participation in an organized Continuing Education experience, under responsible sponsorship, capable direction, and qualified instruction. The programs were reviewed by the International Association for Continuing Education and Training on September 22, 1994, and received approval to award Continuing Education Units as an "Authorized CEU Sponsor."

Registration and Tuition Policies

Schedules for fall, spring, and summer classes are printed regularly and will be mailed upon request. Schedules include general information, course descriptions, and tuition fees for each course. Pre-registrations are required. Tuition payment for all classes, seminars, institutes, and workshops is due and payable upon registration. Payment by Visa, MasterCard, or Discover is available. Also, we will be glad to bill your company.

Enrollment for MSU Continuing Education courses is accepted by mail, by telephone, by e-mail, by fax, or in person. To enroll by mail, send name, address, and check (payable to Midwestern State University) to Continuing Education, Midwestern State University, Wichita Falls, Texas 76308. To enroll by telephone, call (940) 397-4307 or (940) 397-4785. To enroll by fax, fill out the information needed and fax to (940) 397-4042. Please note the course or courses for which you are registering. To enroll in person, come to the 2nd floor of Hardin Hall on the MSU campus.

Telephone calls, faxes, and e-mails are considered tentative registration pending receipt of check, money order, Visa, MasterCard, or Discover. For classes that have a limited number of persons, registrations accompanied by checks, money orders, or VISA/MasterCard/Discover approval take precedence.

To enroll by e-mail, log onto the Extended Education web page at <http://distance.mwsu.edu>, which contains a registration form.

Refunds

If a course fails to materialize, a full refund will be made to the enrollee. The University reserves the right to discontinue any classes for which enrollment is not sufficient to justify the offering. Enrollees requesting a refund must call the office.

A \$10 administration fee will be charged if an enrollee drops a class for any reason after registering but before the first class meeting.

A 50% refund will be made if withdrawal occurs before the second meeting of a class for all courses except for studio art courses. For studio art classes, withdrawal will be allowed until the third meeting of classes.

No refund will be made after the second meeting of a class (third meeting, studio art) unless specific problems occur and the director approves the refund.

Classes that have a \$10.00 tuition fee or less are not subject to any refund.

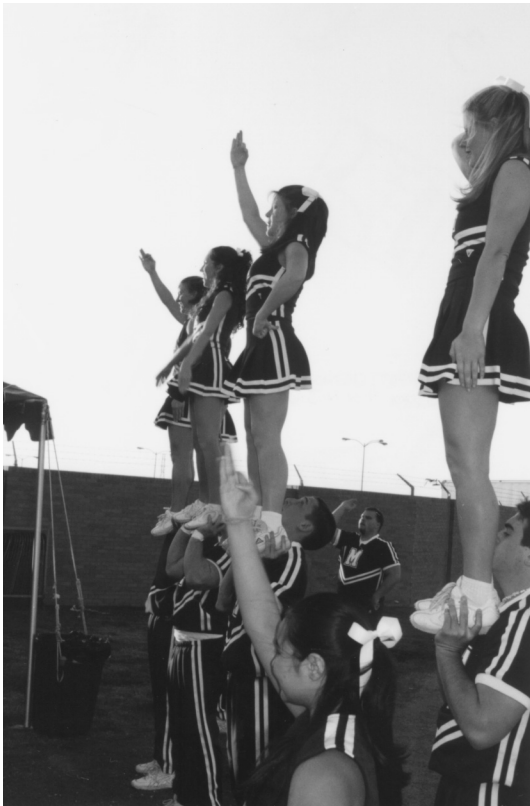
Seminars and workshops have a different refund policy.

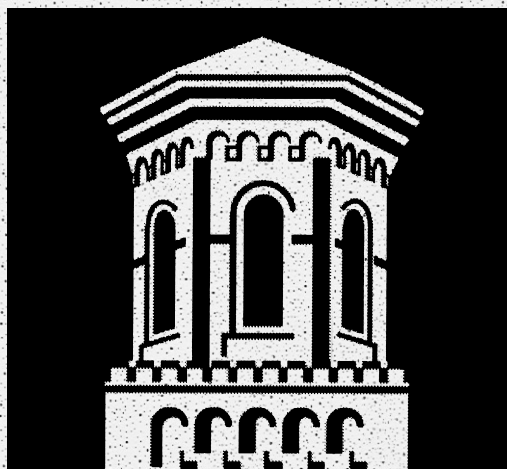
Important Information on Parking

Ample space in non-reserved parking is available on campus. HOWEVER, state regulations require all cars parking on campus to be registered. This may be done by going to the University Police Office and paying a \$4.00 parking fee (hours: Monday - Tuesday, 7:00 a.m. - 7:00 p.m.; Wednesday - Friday, 7:00 a.m. - 5:00 p.m.) If you do not wish to park on campus, there is space on Taft directly in front of Hardin Hall or on the streets east of Taft.

No matter what one's personal reasons may be, we wish to encourage involvement in life-long educational experiences. To paraphrase the Carnegie Commission on Higher Education: Education is a lifelong process—one never loses the ability to learn.







FACULTY DIRECTORY AND AWARDS

University Faculty
Emeriti Faculty and Administration
Hardin Professors and Scholars
Faculty Award

THE UNIVERSITY FACULTY

2002-2003

The date indicates year of original appointment.

ARCHAMBO, LARRY, **Associate Professor of Music**, 1988

B.M.E., Oral Roberts University; M.M., D.M.A., University of Kansas

ARNOULT, SHARON L., **Assistant Professor of History**, 2000

B.A., M.A., Ph.D., University of Texas

ASH, RICHARD M., **Professor of Art**, 1968

B.F.A., M.F.A., Wichita State University

BAILEY, BAMBI, **Assistant Professor of Education**, 2001

B.S., University of Montevallo; M.S., University of Houston-Clear Lake; Ph.D., Miami University

BARCZYK, RUSSELL J., **Instructor in Intensive English Language Institute**, 2001

B.A., M.A., Kent State University

BARNETT, DANA S., **Assistant Professor of English**, 1988

B.S., M.A., Midwestern State University

BAUER, KATHLEEN E., **Assistant Professor of Accounting**, 1981

B.S., Northwestern State University of Louisiana; M.A., University of Alabama; CPA, Louisiana and Texas, CSEP

BELCHER, SANDRA, **Instructor in Mathematics**, 1993

B.S., Midwestern State University; M.S., University of North Texas

BENNETT, CARLA, **Chair and Assistant Professor of Mass Communication**, 1985

B.A., M.A., Midwestern State University

BISBEE, CAROL E., **Assistant Professor of Social Work**, 1997

B.A., Midwestern State University; M.S.S.W., University of Texas-Arlington

BLACK, ALAN P., **Assistant Professor of Music**, 1987

B.A., Brigham Young University; M.A., Boise State University

BLANCHARD, LYNNE M., **Instructor in Intensive English Language Institute**, 2001

B.A., M.A., Indiana University

BREEN, ALLISON, **Reference Librarian and Instructor**, 1973

B.A., M.A., Midwestern State University; M.L.S., University of North Texas

BRINK, JAN W., **Assistant Professor of Manufacturing Engineering Technology**, 1985

B.S., M.S., Texas Tech University; Ph.D., University of Texas-Arlington

BROWN, DAN L., **Instructor in Kinesiology**, 1993

B.S., Lubbock Christian University; M.S.S., United States Sports Academy

BROWN, R. BLAKE, **Instructor in Kinesiology and Assistant Men's Basketball Coach**, 2000

B.S., Midwestern State University

- BUGG, NADIA A., **Graduate Coordinator, Chair, and Professor of Radiologic Sciences**, 1994
B.S., University of Central Arkansas; M.A., Louisiana Tech University; Ph.D., Louisiana State University
- BULTENA, CHARLES D., **Chair and Assistant Professor of Management and Marketing**, 1996
B.B.A., M.B.A., Midwestern State University; Ph.D., University of North Texas
- BURGER, MARTHA A., **Assistant Professor of Education**, 2001
B.A., Trinity University; M.S., Ed.D., University of Oklahoma
- BURKE, WILLIAM C., **Associate Professor of Respiratory Care**, 1996
B.S., Bloomsburg State College; Ph.D., The Pennsylvania State University
- BURKS, SHANNON K., **Instructor in Kinesiology and Head Women's Basketball Coach**, 1999
B.A., Evangel College; M.S., Henderson State University
- CAPPS, OSCAR EMERSON, **Associate Professor of Education**, 1970
B.S.Ed., Northeastern State College; M.Ed., Ed.D., University of Arkansas
- CARPENTER, STEWART B., **Graduate Coordinator and Professor of Computer Science**, 1978
B.A., M.C.S., Ph.D., Texas A&M University
- CATE, RODNEY L., **Chair and Professor of Chemistry**, 1978
B.S., Tarleton State University; Ph.D., Arizona State University
- CLARK, ROBERT E., **Vice President for Academic Services and Professor of Sociology**, 1973
B.A., M.A., Baylor University; Ph.D., University of Montana
- CODDINGTON, DAVID G., **Assistant Professor of Psychology**, 1999
B.A., University of North Carolina; M.A., Appalachian State University; Ph.D., Georgia State University
- COE, MARY ANN, **Professor and West Foundation University Professor of Education**, 1997
B.S., Holy Family College; M.Ed., Arcadia University; D.Ed., Pennsylvania State University
- COFFEY, SUE, **Serials Librarian and Instructor**, 1974
B.S., M.L.S., Texas Woman's University
- COLLINS, CAROL L., **Assistant Professor of Nursing**, 1993
B.S.N., Texas Christian University; M.S., Texas Woman's University
- COLLINS, MICHAEL L., **Dean of the College of Liberal Arts and Professor of History**, 1985
B.A., M.A., Ph.D., Texas Christian University
- COMELLO, ROBERT J., **Assistant Professor of Radiologic Sciences**, 2002
B.S., East Stroudsburg University; A.A.S., M.A., College Misericordia; M.A., Lehigh University
- COOK, WILLIAM B., **Chair and Associate Professor of Biology**, 1991
B.S., University of Washington; M.S., Central Washington University; Ph.D., University of Missouri
- CREWS, NORVAL D., **Assistant Professor of Music**, 1970
B.M., M.M.E., University of North Texas

- CRUMP, MARTHA H., **Assistant Professor of Dental Hygiene**, 1986
A.A.S., Bee County College; B.S.D.H., M.E., Midwestern State University
- CUEVAS, JACQUELINE, **Associate Professor of Psychology**, 1984
B.A., Mundelein College; M.A., Ph.D., Southern Illinois University
- CURRAN, BARBARA, **Assistant Professor of Dental Hygiene**, 1998
B.S., Baylor University College of Dentistry; M.Ed., Midwestern State University
- CYS, JOHN M., **Catalog Librarian and Instructor**, 1995
B.A., M.S., University of Colorado; M.S.L.S., University of North Texas
- DAVIDS, MARK R., **Chair and Assistant Professor of Criminal Justice**, 2001
B.S., University of North Texas; M.A.J., Wichita State University; J.D., University of South Dakota
- DAVIS, FREDRIC C., **Associate Professor of Dental Hygiene**, 1990
B.S., D.M.D., University of Oregon; M.S., University of Iowa
- DAVIS, LARRY HILMAN, **Associate Professor of Art**, 1969
B.S., Weber State College; M.F.A., Utah State University
- DAVIS, LISA A., **Assistant Professor of Nursing**, 2001
A.D., Bacone College; B.A., University of Arkansas; M.P.H., M.S., University of Oklahoma; RN
- DeBOIS, BARBARA J., **Chair and Assistant Professor of Dental Hygiene**, 1983
A.S.D.H., B.S.D.H., Midwestern State University; M.S., Texas Woman's University
- DIEHM, GARY E., **Instructor in Kinesiology and Head Athletic Trainer**, 2001
B.S., M.S., Eastern New Mexico University
- DIEKHOFF, GEORGE M., **Graduate Coordinator, Chair, and Professor of Psychology**, 1977
B.A., Nebraska Wesleyan University; M.A., Ph.D., Texas Christian University
- DISTEL, MARY J., **Assistant Professor of Nursing**, 1996
B.S.N., University of Florida; M.S., Wright State University
- DONOVAN, JOANNE S., **Instructor in Foreign Languages**, 1988
B.A., State University of New York-Buffalo; M.A., Middlebury College
- DONOVAN, TIMOTHY P., **Professor of Computer Science**, 1987
B.S., Regis College; M.A., Oklahoma University; Ph.D., Colorado University; M.S., Shippensburg University
- DOVER, ERNEST A., **Graduate Coordinator and Associate Professor of Political Science**, 1985
B.A., Winston-Salem State University; M.A., Ph.D., Kent State University
- DOWD, JOHN F., **Associate Professor of Education**, 1989
B.S., LeMoyne College; M.S., Ed.D., Syracuse University
- DUAN, XIANSHENG JASON, **Assistant Professor of Management and Marketing**, 1999
B.S., Wuhan University; M.B.A., Ph.D., University of Illinois
- ELDER, C. DOUGLAS, **Instructor in Kinesiology and Men's Soccer Coach**, 2000
B.S., Midwestern State University; M.A., University of Houston-Clear Lake
- ERNSTING, MARK, **Instructor in Kinesiology and Director of MSU Cycling**, 2001
B.H.K., University of British Columbia; M.S., Midwestern State University

- ESTRADA, ANITA (Ann), **Graduate Coordinator, Chair, and Associate Professor of Education**, 1979
B.S., Howard Payne College; M.Ed., Ph.D., University of North Texas
- FANCHER, CHRIS A., **Instructor in Kinesiology**, 2002
B.S., The University of Tulsa; M.S., Northeastern State University
- FARRIS, MARK K., **Professor of Mathematics**, 1992
B.A., Ph.D., Rice University
- FASHIMPAR, GARY A., **Professor of Social Work**, 1979
B.A., University of North Texas; M.S.S.W., Ph.D., University of Texas-Arlington
- FAULK, JERRY D., **Chair and Associate Professor of Manufacturing Engineering Technology**, 1990
B.S., Midwestern State University; Ph.D., Texas Christian University
- FIELDS, PETER J., **Assistant Professor of English**, 2002
A.A., Frederick Community College; B.A., M.A., Shippensburg University; Ph.D., University of Denver
- FISCHLI, RONALD D., **Dean of the Lamar D. Fain College of Fine Arts and Professor of Theatre**, 1990
B.S., M.S., Fort Hays Kansas State College; Ph.D., University of Missouri
- FLANDERS, JOANNE M., **Assistant Professor of Nursing**, 1989
B.S.N., Marian College; M.S., University of Oklahoma
- FLAVIN, MICHAEL J., **Associate Professor of Political Science**, 1969
B.S., M.A., St. Louis University; Ph.D., University of Arizona
- FLEMING, RICHARD G., **Chair and Associate Professor of Physics**, 1989
B.S., Midwestern State University; Ph.D., Texas Christian University
- FOSNAUGH, LINDA S., **Associate Professor of Mathematics**, 1994
B.A., Centenary College of Louisiana; M.A., Ph.D., University of Nebraska
- FOWLER, CARY S., **Instructor in Kinesiology and Assistant Football Coach**, 2001
B.S., Murray State University
- FRIESEN, DANIEL D., **Assistant Professor of Business Computer Information Systems**, 2000
B.S., M.B.A., McNeese State University; Ph.D., University of Texas-Arlington
- FRITZSCH, RALPH B., **Chair and Professor of Accounting**, 1984
B.S., United States Air Force Academy; M.A., Ohio State University; D.B.A., George Washington University; CPA, Arkansas
- FUERTES-MANJON, ROBERTO, **Associate Professor of Foreign Languages**, 1997
B.A., University of Salamanca (Spain); M.A., University of Northern Iowa; Ph.D., University of Georgia
- FUKASAWA, YOSHIKAZU, **Director, Regional Economic Center and Professor of Economics**, 1978
B.A., Fort Hays Kansas State University; M.A., Ph.D., Kansas State University
- FULTON, CANDICE E., **Instructor in Chemistry**, 1996
B.S., Midwestern State University; M.S., University of North Texas
- GALBRAITH, THOMAS W., **Chair and Associate Professor of English**, 1979
B.A., Ph.D., University of Washington

- GARCIA, ADALBERTO, **Chair and Associate Professor of Foreign Languages**, 1989
B.A., Harvard College; M.A., Ph.D., University of Texas-Austin
- GARRISON, DEBORAH, **Chair and Associate Professor of Nursing**, 2000
B.S., M.S., Ph.D., Texas Woman's University; RN
- GARRISON, STEVE R., **Assistant Professor of Political Science**, 2002
B.A., M.A., Ph.D., University of Kansas
- GIDDINGS, GREG W., **Instructor in English and Head Men's Basketball Coach**, 1996
B.B.A., M.A., Midwestern State University
- GOLDBERG, GARY, **Professor of Art**, 1983
B.F.A., Arizona State University; M.F.A., University of Nebraska
- GORE, M. C., **Associate Professor of Education**, 1993
B.S.Ed., M.S.Ed., Eastern New Mexico University; Ed.D., University of Arkansas
- GORHAM, JAMES, **Assistant Professor of Mass Communication**, 1998
B.A., Concordia College; M.A., University of Memphis
- GREEN, REBECCA L., **Instructor in English**, 2002
B.S., M.A., Midwestern State University
- GREENE, PAMELA K., **Assistant Professor of Nursing**, 1996
B.S.N., M.S., Ohio State University; RN, CS
- GRIFFIN, JENNIFER, **Instructor in Kinesiology and Assistant Women's Basketball Coach**, 2000
B.S., M.S., Midwestern State University
- GRIMES, JOHN V., **Professor of Biology**, 1970
B.S., M.S., Northern Illinois University; Ph.D., University of Utah
- GUTHRIE, PAUL C., **Associate Professor of Psychology**, 1991
B.A., University of Texas-Dallas; M.A., Midwestern State University; Ph.D., University of Arkansas
- HAFF, G. GREGORY, **Assistant Professor of Kinesiology**, 2002
B.S., East Stroudsburg University; M.S., Appalachian State University; Ph.D., University of Kansas
- HALVERSON, RANETTE, **Chair and Professor of Computer Science**, 1980
B.S., M.S., Midwestern State University; Ph.D., University of North Texas
- HANSEN, CHRISTOPHER A., **Assistant Professor of Chemistry**, 2000
B.S., Midwestern State University; M.S., Ph.D., Washington State University
- HARMEL, ROBERT M., JR., **Professor of Economics**, 1970-79; 1989
B.S., Texas Tech University; M.S., Ph.D., Iowa State University
- HARRIS, CAROLYN R., **Chair and Professor of Business Computer Information Systems**, 1993
B.A., Texas Tech University; M.S., University of Southern Mississippi; Ph.D., University of Texas-Arlington
- HARRIS, WILLIAM T., **Bridwell Professor of Accounting**, 1993
B.B.A., M.B.A., Texas Tech University; Ph.D., Louisiana State University; CPA, Texas, CMA

- HARTZLER, STANLEY J., **Associate Professor of Education**, 2001
B.S., Western Illinois University; Ph.D., University of Texas-Austin
- HARVEY, MARTHA M., **Interim Dean of the College of Business Administration and Professor of Business Administration**, 1982
B.A., Sweet Briar College; M.S., Midwestern State University; Ph.D., University of North Texas
- HATHORN, PAMELA K., **Assistant Professor of Biology**, 2000
B.S., University of Houston-Clear Lake; M.S., Ph.D., Texas A&M University
- HAWLEY, LINDA J., **Coordinator of Family Nurse Practitioner Program and Assistant Professor of Nursing**, 1999
B.S., Baylor University; M.S., Texas Woman's University; RNC, FNP
- HENDERSON, CHRISTOPHER, **Media Librarian and Instructor**, 2002
B.S., University of Central Florida; M.R.E., Southwestern Baptist Theological Seminary; M.I.S., University of North Texas
- HENDERSON, JOE M., **Professor of Kinesiology**, 1965
B.S.Ed., M.Ed., Texas Tech University; Ed.D., University of North Texas
- HENDRICKSON, KENNETH E., JR., **Graduate Coordinator, Chair, and Professor of History - Hardin Foundation Distinguished Professor of American History**, 1970
B.A., M.A., State University of South Dakota; Ph.D., University of Oklahoma
- HENSCHER, DONALD F., JR., **Professor of Theatre**, 1970
B.S., Dickinson State College; M.A., Colorado State University
- HENSCHER, SALLY M., **Instructor in English**, 2000
B.A., M.A., Midwestern State University
- HENSON, SUSAN, **Assistant Professor of English**, 1987
B.A., Augustana College; M.A., Midwestern State University
- HEWITT, HARRY P., **Professor of History**, 1967
B.S., M.A., Ph.D., University of Utah
- HILBERS, JEANNIE CASH, **Director of the Small Business Development Center and Assistant Professor of Business Administration**, 1999
B.B.A., M.B.A., Midwestern State University
- HINDS, WILLIAM E., **Chair and Professor of Mathematics**, 1975
B.A., University of Texas-Austin; M.A., University of Texas-Arlington; Ph.D., Oklahoma State University
- HOFFMAN, THOMAS P., **Associate Professor of English**, 1968
B.S.Ed., M.A., Ball State University; Ph.D., University of Oklahoma
- HOGGARD, JAMES M., **Perkins-Prothro Distinguished Professor of English**, 1966
B.A., Southern Methodist University; M.A., University of Kansas
- HOGGARD, LYNN, **Professor of English and Foreign Languages**, 1986
B.A., Centenary College; M.A., University of Michigan; Ph.D., University of Southern California
- HOLLABAUGH, LINDA L., **Associate Professor of Foreign Languages**, 1989
B.A., M.A., Ph.D., Texas Tech University
- HORNER, NORMAN V., **Dean of the College of Science and Mathematics and Professor of Biology**, 1967
B.S., M.S., University of North Texas; Ph.D., Oklahoma State University

- HOUGH, RONALD, **Professor of Music**, 1971
B.A., B.M., Wheaton College; M.M., Southwestern Baptist Theological Seminary; D.M.A., University of Illinois
- JANSEN, LAUREN A., **Assistant Professor Nursing**, 2002
A.D.N., New Mexico Junior College; B.S.N., University of Texas-Arlington; B.S.Ed., M.S.N., Midwestern State University
- JEFFERSON, LAURA, **Chair and Associate Professor of Theatre**, 1984
B.A., Midwestern State University; M.F.A., Southern Illinois University
- JOHNSON, JEWETT G., **Assistant Professor of Nursing**, 1995
B.S.N., Texas Christian University; M.S., University of Michigan
- JOHNSON, ROBERT L. III, **Graduate Coordinator and Professor of English**, 1992
B.A., M.A., University of Colorado; Ph.D., University of Denver
- JOHNSON, TINA V., **Instructor in Mathematics**, 2000
B.S., M.S., Midwestern State University
- JOHNSTON, CHARLES R., **Assistant Professor of Business Computer Information Systems**, 2002
B.S., M.B.A., University of Missouri; Ph.D., University of Texas-Arlington
- JONES, LINDA B., **Assistant Professor of Music**, 1999
B.M.E., M.M., D.M.A., University of Oklahoma
- JONES, TAMLYN L., **Assistant Professor of Education**, 2002
B.S., Texas A&M University; M.S., Corpus Christi State University; Ed.D., Texas A&M University-Corpus Christi
- KALLAM, MICHAEL L., **Professor of Education**, 2002
B.S., M.A., University of Tulsa; Ph.D., Oklahoma State University
- KIEHN, MARK T., **Assistant Professor of Music**, 2000
B.A., Adams State College; M.M.E., Ph.D., University of Colorado
- KILGORE, J. LON, **Associate Professor of Kinesiology**, 1997
B.S., Lincoln University; M.S., Ph.D., Kansas State University
- KILLION, JEFFREY B., **Assistant Professor of Radiologic Sciences**, 1999
B.S., M.S.R.S., Midwestern State University
- KIM, CHON-KYUN, **Assistant Professor of Public Administration**, 2002
B.A., Kyunghee University; M.A., Korea University; Ph.D., State University of New York-Binghamton
- KINDIG, EVERETT W., **Associate Professor of History**, 1971
B.A., M.A., Ph.D., Stanford University
- KING, JAMES R., **Associate Professor of History**, 1968
B.A., Loras College; M.A., Ph.D., University of Iowa
- KITCHEN, MICHAELLE L., **Associate Professor of Education**, 1996
B.S.O.E., Wayland Baptist University; M.Ed., University of Oklahoma; Ph.D., University of North Texas
- KOCURKO, M. JOHN, **Chair and Perkins-Prothro Distinguished Professor of Geology**, 1979
B.S., Midwestern State University; M.S., The University of Wisconsin-Milwaukee; Ph.D., Texas Tech University

- KURSZEWSKI, TAMMY L., **Instructor in Respiratory Care**, 2001
B.S., Midwestern State University; RRT
- LaBEFF, EMILY E., **Chair and Professor of Sociology**, 1978
B.A., M.A., Texas Tech University; Ph.D., Oklahoma State University
- LAND, MICHAEL L., **Professor of Education**, 1989
B.A., Hardin-Simmons University; M.Ed., Stephen F. Austin State University;
Ph.D., Texas A&M University
- LATHAM, CLARA M., **University Librarian and Instructor**, 1989
B.A., Fresno State University; M.L.S., San Jose State University
- LAYTON, RONALD R. II, **Instructor in Mathematics**, 1998
B.A., M.S., Texas A&M University-Commerce
- LEWANDOWSKI, ELIZABETH, **Professor of Theatre**, 1993
B.S., Bradley University; M.F.A., Texas Tech University
- LEWIS, GARY R., **Associate Professor of Music**, 1971
B.M., Eastman School of Music; M.M., Michigan State University
- LEWIS, NORMAN M., JR., **Director of the Bureau of Business and Government Research and Assistant Professor of Economics**, 2001
B.S., M.B.A., Midwestern State University
- LINDEMANN, DIRK, **Associate Professor of History**, 1983
B.A., University of Evansville; M.A., Ph.D., Ball State University
- LOCKHART, ROBIN D., **Assistant Professor of Nursing**, 1993
A.D.N., B.S.N., Midwestern State University; M.S.N., University of Texas-Arlington; RN
- MACDONALD, STUART T., **Chair of Economics and Finance and Assistant Professor of Economics**, 2000
B.A., M.A., Ph.D., University of Texas-Dallas; J.D., Oklahoma City University
- MARTIN, JAMES DAVID, **Director of Applied Arts and Sciences and Professor of Political Science**, 1970
B.A., Tarkio College; M.A., Ph.D., Southern Illinois University
- MARTINEZ, JOHN E., **Director of the Mamie Raborn Center for Economic Education and Professor of Economics and Finance**, 1997
B.A., University of Texas-Austin; M.S., Ph.D., University of Oklahoma
- MASKILL, WILLIAM R., **Instructor in Kinesiology and Head Football Coach**, 2002
B.S., Western Kentucky University; M.A., University of Iowa
- MATTHEWS, DANNY G., **Assistant Professor of Accounting**, 1993
B.B.A., Midwestern State University; M.S., Naval Postgraduate School; CPA, Texas, CGFM, CNA
- MAXWELL, DONALD, **Professor of Music**, 1971
B.A., Colgate University; B.M., Friends University; M.M., D.M.E., University of Oklahoma
- MAY, MARSHA A., **Assistant Professor of Mathematics**, 1982
B.A., Midwestern State University; M.A., University of Texas-Arlington
- McCLINTOCK, STUART ALLAN, **Assistant Professor of Foreign Languages**, 1999
B.A., Williams College; M.A., New York University; Ph.D., Middlebury College

- McCORMACK, BARBARA A., **Instructor in Business Administration and Academic Adviser**, 2000
B.B.A., M.B.A., Midwestern State University
- McCULLOUGH, CHARLES D., **Professor of Marketing**, 1985
B.B.A., M.B.A., Ph.D., Texas Tech University
- McNEELY, THOMAS L., **Instructor in English and the Intensive English Language Institute**, 1998
B.A., M.A., M.A., Midwestern State University
- MEDFORD, ANNETTE O., **Interim Chair and Assistant Professor of Respiratory Care**, 1996
A.S., B.S.R.C., M.A., Midwestern State University
- MENARD, TRACY, **Associate Professor of Education**, 1992
B.S., University of Colorado; M.Ed., Midwestern State University; Ed.D., University of Northern Colorado
- MEZZO, GLORIA, **Assistant Professor of Nursing**, 1992
B.S.N., South Dakota State University; M.S.N., University of Texas Health Science Center-San Antonio
- MIDDLETON, WILLIAM TODD, **Instructor in Kinesiology**, 2001
B.A., Wake Forest University
- MITCHELL, PATRICK S., **Associate Professor of Mathematics**, 2000
B.S., Phillips University; M.S., Ph.D., Kansas State University
- MONTOYA, CLAUDIA, **Assistant Professor of Foreign Languages**, 2002
B.A., Benemerita Universidad Autonoma de Puebla; Ph.D., University of Tennessee
- MORAN, NATHAN R., **Assistant Professor of Criminal Justice**, 2002
B.S., Midwestern State University; M.A., Ph.D., Sam Houston State University
- MORGAN, DEBRA A., **Assistant Professor of Nursing**, 2002
A.S.N., Midwestern State University; B.S.N., Texas Tech University Health Sciences Center; M.S.N., West Texas A&M University; Ed.D., Baylor University
- MORRISON, GARY D., **Associate Professor of Radiologic Sciences**, 1988
A.A., Montgomery College; B.S.R.T., Hood College; M.Ed., University of North Texas
- MORROW, RUTH E., **Chair and Professor of Music - Dolores P. Bolin Chair of Piano**, 1989
B.A., Whitman College; M.M., M.A., Eastman School of Music; D.M., Indiana University School of Music
- NEWTON, ELIZABETH B., **Instructor in Mathematics**, 2000
B.S., M.S., Stephen F. Austin University
- NEWTON, H. GENE, **Professor of Education**, 1969
B.A., McMurry College; M.Ed., Ed.D., Texas Tech University
- OLSON, CHARLES J., **Associate Director of Applied Arts and Sciences and Assistant Professor of English**, 2001
B.A., M.A., Midwestern State University; Ph.D., University of New Mexico
- PADDACK, TED P., **Instructor in Criminal Justice**, 1996
B.M.E., Abilene Christian University; M.S.W., Our Lady of the Lake-San Antonio

- PASSOS, NELSON L., **Associate Professor of Computer Science**, 1996
B.S., University of San Paulo (Brazil); M.S., University of North Dakota; Ph.D., University of Notre Dame
- PATIN, ROY P., JR., **Graduate Coordinator and Bridwell Professor of Finance**, 1992
B.S., M.B.A., Louisiana State University; D.B.A., Mississippi State University
- PATTERSON, JOAN E., **Associate University Librarian and Instructor**, 1981
B.A., University of Arizona; M.A., University of Denver
- PATTERSON, MIKE C., **Professor of Management**, 1977
B.B.A., M.B.A., Midwestern State University; Ph.D., University of North Texas
- PEARSON, LINDA L., **Associate Professor of Radiologic Sciences**, 1995
B.S.R.T., University of Oklahoma-Oklahoma City; M.Ed., University of Oklahoma-Norman
- PEETZ, PAMELA A., **Instructor in Kinesiology and Head Women's Volleyball Coach**, 1999
B.S., University of Nebraska; M.S. South Dakota State University
- PENROSE, LESLIE M., **Instructor in Intensive English Language Institute**, 2001
B.A., M.A., Texas Tech University
- PHIFER, JEAN SHEREE, **Associate Professor of Radiologic Sciences**, 1995
B.S.R.T., Medical College of Georgia; M.S., Medical University of South Carolina
- POLK, KENT J., **Assistant Professor of Mass Communication**, 2000
B.S., M.S., Michigan Technological University; Ph.D., University of Texas-Austin
- PORTER, RUSSELL D., **Chair - Health and Public Administration, MHA Graduate Coordinator and Associate Professor of Health and Public Administration**, 1998
B.A., State University of New York-Binghamton; M.P.S., Lynn University; Ph.D., Medical College of Virginia-Virginia Commonwealth University
- POST, KELLY L., **Instructor in Kinesiology**, 2001
B.S., Mississippi State University; M.S., University of North Texas
- PREDA, MICHAEL A., **Professor of Political Science**, 1976
B.A., Wayne State University; M.A., Texas A&M University-Commerce; Ph.D., University of Oklahoma
- PROVENCE, DANA NOEL, **Instructor in Art**, 2002
B.S., Baylor University; M.F.A., University of North Texas
- PRUITT, RANDY D., **Assistant Professor of Mass Communication**, 1999
B.A., M.A., University of Oklahoma
- RAMSER, CHARLES, **Professor of Management and Marketing**, 1969
B.B.A., University of Texas-Arlington; M.B.A., University of Texas-Austin; Ph.D., University of North Texas
- REDMON, ROBERT J., **Assistant Professor of Education**, 2001
B.A., Central State College; M.S., Ed.D., Oklahoma State University
- REYNOLDS, ALISON P., **Instructor in English and the Intensive English Language Institute**, 2002
B.A., M.A., Midwestern State University

- RHOADS, JOHN EVERETT, **Assistant Professor of Physics**, 1999
B.S., Midwestern State University; M.S., Ph.D., Oklahoma State University
- RIMA, LINDA C., **Collection Development/Systems Librarian and Instructor**, 2002
B.S., West Texas A&M University; M.L.S., Texas Woman's University
- RINCÓN-ZACHARY, E. MAGALY, **Graduate Coordinator and Associate Professor of Biology**, 1992
B.S., Pedagogic of Caracas, Venezuela; M.S., Ph.D., University of Illinois at Urbana-Champaign
- ROBERTS, ROE A., **MPA Graduate Coordinator and Associate Professor of Health and Public Administration**, 2002
L.P.N., Columbus School of Practical Nursing; B.H.S.A., M.P.H., Ph.D., Florida International University
- ROGERS, JESSE W., **President and Professor of Chemistry**, 1967
B.S., University of Texas-Arlington; Ph.D., Texas Christian University
- ROGERS, KAREN K., **Associate Professor of English**, 1980
B.S.E., M.E., M.A., Midwestern State University; Ph.D., University of Texas-Dallas
- SAMUELSON, RYAN L., **Government Publications Librarian and Instructor**, 1999
B.A., University of Texas-Dallas; M.L.S., University of North Texas
- SCHMITTER, JOEL S., **Associate Professor of Mathematics**, 1993
B.A., M.S., Ph.D., University of Wisconsin
- SERNOE, JAMES L., **Assistant Professor of Mass Communication**, 1995
B.A., M.A., University of Wisconsin; Ph.D., University of Iowa
- SHIPLEY, MICHAEL M., **Assistant Professor of Biology**, 2000
B.A., M.S., Midwestern State University; Ph.D., Oklahoma State University
- SHAO, CHRIS Y., **Assistant Professor Marketing**, 2002
B.A. Chinese Culture University-Taiwan; M.B.A., Pittsburg State University; Ph.D., University of Texas-Arlington
- SIMPSON, GRANT W., **Dean of the Gordon T. and Ellen West College of Education and Professor of Education**, 2000
B.S., Trinity College; M.A., University of Texas-Austin; Ph.D., Texas A&M University
- SIMPSON, RICHARD P., **Assistant Professor of Computer Science**, 1980
B.S., M.A., Sam Houston State University
- SLAVENS, DAWN RENEE, **Assistant Professor of Mathematics**, 1999
B.S., Emporia State University; M.S., Stephen F. Austin State University; Ph.D., University of North Texas
- SMITH, ANN L., **Coordinator of Graduate Nurse Educator Program and Associate Professor of Nursing**, 1995
B.S.N., M.S.N., University of Hawaii-Manoa; Ph.D., Texas Woman's University; RN, CPNP
- SMITH, EVANS LANSING, **Professor of English**, 1990
B.A., Williams College; M.A., Antioch International; Ph.D., Claremont Graduate School

- SMITH, MICHELLE, **Director of University Honors Program and Assistant Professor of Foreign Languages and Humanities**, 2001
B.A., Bryn Mawr College; M.A., Ph.D., Claremont Graduate University
- SNOWDEN, STEVEN R., **Graduate Coordinator, Chair, and Associate Professor of Kinesiology**, 1997
B.S., Texas A&M University; M.A., Sam Houston State University; Ph.D., Texas A&M University
- SPILLER, DIANE M., **Coordinator of Academic Support Center and Assistant Professor of Mathematics**, 1989
B.S., Texas Tech University; M.Ed., University of Houston
- SPORTSMAN, SUSAN S., **Dean of the College of Health Sciences and Human Services and Professor of Nursing**, 1996
B.S.N, Baylor University; M.S.N., University of Texas-Arlington; M.S., Ph.D., Texas Woman's University; RN
- STANGE, TERRENCE V., **Associate Professor of Education**, 2000
B.S., M.S., Northern State University; Ph.D., University of Oklahoma
- STANGL, FREDERICK B., JR., **Professor of Biology**, 1984
B.S., M.S., Midwestern State University; Ph.D., Texas Tech University
- STEELE-HAMME, NANCY, **Chair and Associate Professor of Art**, 2001
B.A., Elmira College; M.A., Ph.D., State University of New York
- STEPHENS, PAMELA B., **Assistant Professor of Biology**, 2002
B.S., M.S., Midwestern State University; Ph.D., University of Texas-Dallas
- STEWART, ALFRED D., JR., **Associate Professor of English and Philosophy**, 1973
B.A., M.A., M.A., University of Oklahoma; Ph.D., University of North Carolina
- STEWART, DIANE, **Assistant Professor of Nursing**, 1998
B.S.N., Midwestern State University; M.S.N., University of Texas-Arlington
- STILES, BEVERLY L., **Assistant Professor of Sociology**, 1999
B.A., Midwestern State University; M.A., Baylor University; Ph.D., Texas A&M University
- STONE, HARVEY R., **Coordinator of BAAS Outreach and Associate Professor**, 2000
B.A., Ed.D., University of Massachusetts-Amherst
- STRINGFELLOW, CATHERINE V., **Associate Professor of Computer Science**, 2002
B.S., Cameron University; M.S., Ohio State University; Ph.D., Colorado State University
- SUH, SOO-GHIL, **Assistant Professor of Business Computer Information Systems**, 2002
B.B.A., Dankook University; M.A., University of Oklahoma; Ph.D., University of Texas-Austin
- SUTKO, ADOLPH A., **Professor of Manufacturing Engineering Technology**, 1987
B.S., M.S., Ph.D., University of Nebraska
- SWARTWOUT, NANSI A., **Assistant Professor of Business Computer Information Systems**, 1999
B.A., Texas Tech University; M.B.A., Midwestern State University
- TAYLOR, ARVILLA K., **Associate Professor of English**, 1969
B.A., M.A., Ph.D., University of Texas-Austin

- TILKER, KRISTOPHER R., **Professor of Business Administration**, 1989
B.A., Midwestern State University; J.D., Texas Tech University
- TIRPAK, MATTHEW, **Instructor in Intensive English Language Institute**, 2001
B.A., M.A., Kent State University
- TUCKER, DAVID S., **Associate Professor of Mathematics**, 1988
A.B., Kansas State University; M.S., Michigan State University; Ph.D., Florida State University
- VAN BLOMMESTEIN, JEREMY, **Assistant Professor of Sociology**, 2002
B.S., Moody Institute; M.S., Valdosta State University; Ph.D., University of Florida
- VANDEHEY, MICHAEL A., **Assistant Professor of Psychology**, 1999
B.A., University of Oregon; M.S., Ph.D., Indiana State University
- VAN GEEM, HENRY, **Associate Professor of Finance**, 1964
B.B.A., Midwestern State University; M.B.A., University of North Texas; Ph.D., Texas Tech University
- VEALÉ, BETH, **Associate Professor of Radiologic Sciences**, 1990
A.S., New Mexico State University; B.S.R.S., Midwestern State University; M.Ed., University of North Texas
- VOEGEL, PHILLIP, **Chair of Environmental Science and Assistant Professor of Chemistry**, 1998
B.A., Wabash College; Ph.D., University of Louisville
- VON DELINGEN, MYRON A., **Instructor in Business Administration**, 2001
B.B.A., M.B.A., Midwestern State University
- WALKER, JAN, **Chair and Assistant Professor of Social Work**, 1995
B.A., M.S.S.W., University of Texas-Arlington; Ph.D., Texas Woman's University
- WARD, JAMES D., **Associate Professor of Public Administration**, 2001
B.A., University of Mississippi; M.P.A., Ph.D., University of Cincinnati
- WARNDORF, JOSEPH, **Associate Professor of Mathematics**, 1969
B.S., Arkansas Polytechnic College; M.A., University of North Texas
- WATKINS, JACKIE L., **Professor of Geology**, 1958
B.S., M.S., Southern Methodist University; Ph.D., University of Michigan
- WATSON, SAMUEL E., III, **Chair and Professor of Political Science**, 1992
A.B., University of Georgia; M.A.L.D., Fletcher School of Law & Diplomacy; Ph.D., University of Georgia
- WHITE, WILLIAM L., **Director and Instructor in Intensive English Language Institute**, 1994
B.A., University of Virginia; M.A., West Virginia University
- WIEDEMANN, FRIEDERIKE W., **Vice President for Academic Affairs and Professor of Language and Literature**, 2002
B.A., M.A., Johann Wolfgang Goethe-Universität-Frankfurt and Faculté des Lettres-Lyon; Ph.D., Northwestern University
- WIGGINS, LARRY W., **Instructor in Kinesiology and Tennis Coach**, 1997
B.A., Tarleton State University; M.A., University of New Mexico
- WILLIAMS, ANDREA L., **Curriculum Materials Librarian and Instructor**, 1989
B.A., M.A., Midwestern State University; M.L.S., Texas Woman's University

WILLIAMS, DAVID L., **Assistant Professor of Economics and Finance**, 1999
B.B.A., McMurry University; M.A., Texas Tech University; D.B.A., Louisiana
Tech University

WILLIAMS, LARRY E., **Professor of Sociology**, 1976
B.S., M.S., East Texas State University; Ph.D., Brigham Young University

WRIGHT, DONNA L., **Associate Professor of Radiologic Sciences**, 2000
B.S., University of North Carolina; M.S., Ed.D., North Carolina State University

YAROSZ-ASH, ELIZABETH A., **Professor of Art**, 1981
B.A., Lycoming College; M.F.A., Ohio University

EMERITI FACULTY AND ADMINISTRATION

ALLEN, JAMES L., B.A., M.A., **Assistant Professor of Journalism**, 1967-1986.

ALLEY, R.C., **Director of the Physical Plant**, 1955-1986.

BACKHAUS, FRED J., L.L.B., L.L.D., **Associate Professor of Political Science**,
1967-1992.

BOLAND, IVY EDDLEMON, B.M., M.M., **Professor of Music**, 1946-1981.

BOLAND, WILLIAM V., B.F.A., B.M., M.M., **Professor of Music**, 1949-1978.

BOUTWELL, ROY K., B.B.A., M.B.A., Ed.D., **Instructor in Business
Administration**, 1969-1997.

BRACKEEN, BILLY C., B.S., M.Ed., **Coordinator of Engineering Technology
Program and Assistant Professor of Engineering Drawing**, 1959-1990.

BROWN, HARRY M., Th.B., B.A., M.A., Ph.D., **Professor of English**, 1966-1994.

CAMPBELL, JEFFERSON H., B.A., B.D., Ph.D., **Graduate Coordinator and
Professor of English**, 1974-1999.

CARPENTER, EMILY, B.A., M.A., Ph.D., **Associate Professor of English**, 1967-
2002.

CHURCH, SANDRA J., B.S.N., M.S.N., **Chair and Assistant Professor of
Nursing**, 1974-2001.

COVERT, JOHNNIE, B.A., M.A., **Instructor in Political Science**, 1987-1997.

COWART, GWENDOLYN, B.S.E., M.E., M.S., **Coordinator and Assistant
Professor of Speech and Language Therapy**, 1973-1986.

CROSSNOE, THOMAS, B.A., M.A., **Professor of Art**, 1966-1989.

DARTER, CLARENCE L., JR., B.S., M.Ed., Ed.D., **Coordinator of Physical
Education and Professor of Education**, 1966-1997.

DICKERSON, ELBERT L., B.A., M.Ed., Ed.D., **Dean of Graduate Studies and
Professor of Education**, 1958-1983.

DOMI, DOUGLAS, R.T., B.S.R.T., M.Ed., **Assistant Professor of Radiologic
Technology**, 1976-1996.

DUDLEY, PATRICK H., B.S., M.Ed., Ph.D., **Associate Professor of Kinesiology**,
1969-2001.

EVANS, H. G., B.A.A.S., **Director of Campus Police**, 1972-1999.

- FURR, ONETA ROBERTS, B.S., M.S., Ed.D., **Professor of Education**, 1950-1979.
- GARCIA, GUILLERMO, B.A., M.A., Ph.D., **Associate Professor of Foreign Languages**, 1965-1989.
- GILLESPIE, SHERRY, B.S., M.S., Ph.D., **Associate Professor of Physical Education**, 1967-1997.
- GRANT, ROBERT J., B.S., M.P.A., D.P.A., **Coordinator and Redwine Professor of Criminal Justice**, 1975-2000.
- HARVILL, MELBA S., B.A., M.A., M.L.S., Ph.D., **University Librarian**, 1967-2001.
- HILL, THOMAS BARLOW, B.S., M.Ed., Ed.D., **Director of the Division of Education and Professor of Education**, 1964-1988.
- HOLVERSON, EDWIN L., B.A., M.S., Ph.D., **Coordinator and Professor of Physics**, 1967-1999.
- HUFFMAN, LOUIE C., B.S., M.Ed., M.A., Ph.D., **Professor of Mathematics**, 1955-1990.
- HUGHES, KENT E., B.M., M.M., D.M.A., **Professor of Music**, 1953-1992.
- INMAN, CHARLENE, B.S., B.S.N., M.E., M.S.N., Ed.D., **Director of the Division of Health Sciences and Associate Professor of Nursing**, 1979-1986.
- KABLE, JUNE E., B.M., M.E., Ed.D., **Director of the Division of Fine Arts and Professor of Speech Communication**, 1967-1992.
- KLEIN, RUDOLF M., B.S., Ph.D., **Associate Professor of Foreign Languages**, 1968-1995.
- KRIENKE, ALBERT B., B.S., M.S., Ph.D., **Professor of Economics**, 1965-2001.
- MADERA, ROBERT, B.S., B.A., M.A., D.B.A., **Professor of Accounting**, 1951-1988.
- MARTIN, WALT, B.B.A., M.B.A., **Director of Personnel**, 1966-1987.
- McINTURFF, JAMES D., B.A., M.B.A., CPA, **Assistant Professor of Accounting**, 1988-1999.
- McWHORTER, GENEVA, B.S., M.E., **Assistant Professor of Office Administration**, 1964-1986.
- MERTENS, MARILYN S., B.A., M.A., Ph.D., **Associate Professor of Political Science and Public Administration**, 1990-2001.
- MEUX, JOHN W., B.S., M.S., Ph.D., **Professor of Mathematics**, 1964-1993.
- MOELLER, WARREN L., B.S., M.B.A., **Associate Professor of Business Administration**, 1963-1991.
- PRESTON, CHARLES L., **Director of the Physical Plant**, 1967-1990.
- RODRIGUEZ, LOUIS J., B.A., M.A., Ph.D., **President and Professor of Economics**, 1981-2000.
- ROUNTREE, DANIEL W., B.A., M.A., Ph.D., **Professor of Marketing**, 1990-1997.
- ROWELL, C.W., B.S., M.A., **Assistant Professor of Mathematics**, 1965-2000.
- SABOTA, LEO M., B.A., M.A., Ph.D., **Professor of Political Science**, 1969-1990.
- SCOTT, NANCY A., B.A., M.S., **Assistant Professor of Biology**, 1963-1996.

- SIMS, RAYMOND, B.S., M. Engr. Phys., **Assistant Professor of Physics**, 1963-1993.
- SMITH, LEE A., B.S., M.Ed., Ed.D., **Professor of Education**, 1965-1988.
- STEWART, JAMES, B.A., M.S., **Vice President for Administration**, 1963-1989.
- STOCKTON, GERALD, E., B.S., M.S., Ph.D., **Associate Professor of Physical Education and Head Men's Basketball Coach**, 1970-1994.
- SUND, ELDON H., B.S., Ph.D., **Professor of Chemistry**, 1967-1995.
- TAYLOR, DENCIL R., B.A., M.A.Ed., Ph.D., **Associate Professor of Mass Communication**, 1970-2000.
- TICKLE, EUGENIA, B.S.N., M.S.N., Ed.D., RN, **Associate Professor of Nursing**, 1989-2002.
- TIMS, BILLYE J., B.S.E., M.E., **Registrar**, 1967-2001.
- TITTLE, R. CHARLES, B.B.A., M.B.A., C.P.A., **Associate Professor of Accounting**, 1968-1991.
- VOLK, MARY E., B.A., M.A., Certificat d'Etudes Francaises, **Assistant Professor of Foreign Languages**, 1967-1987.
- WELCH, ROBERT G., B.S., M.S., Ph.D., **Professor of Economics**, 1966-2000.
- WHITLOCK, BAIRD W., B.A., Ph.D., D.Litt., **Professor of English**, 1978-1989.
- WILLIAMS, RICKEY, B.A., Ph.D., **Professor of Chemistry**, 1970-2002.
- ZEMBROD, ANTON, B.S.R.T., M.Ed., **Assistant Professor of Radiologic Technology**, 1972-1989.



2002 Hardin Scholar - Jennifer Berend

HARDIN PROFESSORS

Beginning with the academic year 1961-62, the Hardin Foundation for Wichita County established an annual award for a member of the Midwestern State University faculty whose teaching and research of the preceding twelve months had brought distinction to the faculty member and the institution. The award is currently \$3,500.

WALTER W. DALQUEST	1961-1962
FLOYD F. EWING	1962-1963
CICERO H. BERNARD	1963-1964
WALTER L. WEHNER	1964-1965
JOSEPH SATIN	1965-1966
JOHN W. MEUX	1966-1967
JOSEPH E. ROSE	1967-1968
E. KENT HUGHES	1968-1969
F. ROBERT MADERA	1969-1970
NEIL B. HOLLIMAN	1970-1971
JESSE W. ROGERS	1971-1972
T. BARLOW HILL	1972-1973
K. E. HENDRICKSON, JR.	1973-1974
ELDON H. SUND	1974-1975
NORMAN V. HORNER	1975-1976
JAMES M. HOGGARD	1976-1977
RICKEY J. WILLIAMS	1977-1978
RICHARD M. ASH, III	1978-1979
ROBERT D. BECKER	1979-1980
JEFFERSON H. CAMPBELL	1980-1981
ROBERT E. CLARK	1981-1982
BAIRD W. WHITLOCK	1982-1983
YOSHI FUKASAWA	1983-1984
RODNEY LEE CATE	1984-1985
EMILY E. LABEFF	1985-1986
R. STEVEN TIPPS	1986-1987
DONALD F. HENSCHER, JR.	1987-1988
CHARLES D. MCCULLOUGH	1988-1989
FREDERICK STANGL, JR.	1989-1990
ELIZABETH A. YAROSZ	1990-1991
GEORGE M. DIEKHOF	1991-1992
HARRY P. HEWITT	1992-1993
HARRY M. BROWN and	1993-1994
LOUIS J. RODRIGUEZ	
MICHAEL L. LAND	1994-1995
RUTH E. MORROW	1995-1996
LYNN HOGGARD	1996-1997
RANETTE HALVERSON	1997-1998
MARTHA HARVEY	1998-1999
NELSON L. PASSOS	1999-2000
ROY P. PATIN, JR.	2000-2001
NADIA A. BUGG	2001-2002

HARDIN SCHOLARS

In 1961-62 the Hardin Foundation established an annual award of \$1,500 (currently \$2,500) for a student whose scholastic achievements and participation in University activities during the preceding year had brought distinction to the student and Midwestern State University.

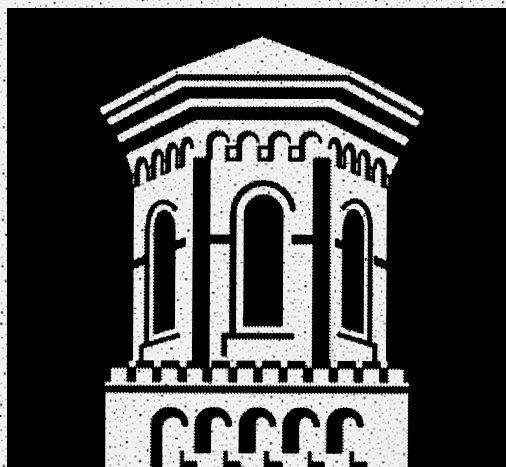
JOHNNY WALBRICK	1961-1962
JANICE ELAINE LAIDLEY	1962-1963
HARVEY MARTZ	1963-1964
FRANCES DARLENE REIMERS	1964-1965
JUDY WATTS	1965-1966
JOHN EVERETT RHOADS	1966-1967
KENNETH SIBER	1967-1968
LINDAL NEWBY	1968-1969
PEGGY SPRING	1969-1970
DAVID M. JONES and STEPHEN K. MOOREHEAD	1970-1971
JEANNA BETH MOORE	1971-1972
JOSEPH S. HOOD, JR. and REBECCA HAWKINS POND	1972-1973
DONNA GRIMSLEY EARP	1973-1974
JOHN T. HEATH	1974-1975
CHARLOTTE ANN WEBB	1975-1976
MICHAEL S. FINDLEY	1976-1977
SHARON KAY LIPPE	1977-1978
DARYL LIN LEICK	1978-1979
JERRY DEAN MCGEE	1979-1980
AJAI CADAMBI and VICTOR M. BOYER	1980-1981
MATTHEW R. MUTH	1981-1982
KAY LYNN BAUMAN	1982-1983
JOHN M. YOUNG	1983-1984
LYDIA BARTON	1984-1985
GREGORY POGUE	1985-1986
PETER D. KOPLYAY and ALISHA HAIGOOD	1986-1987
WILLIAM JAMES EARNEST	1987-1988
RICHARD KEITH HUGHLETT	1988-1989
ALANNA ALBRECHT	1989-1990
PHILLIP EDWARD CHAPA	1990-1991
STACIE BEAUCHAMP and JENNY SALAN	1991-1992
MELISSA METIVIER	1992-1993
JENNIFER JEN'NAN GHAZAL	1993-1994
CORBY B. WALKER	1994-1995
CODY RAY COLE	1995-1996
LEILA ANNE PLUMMER	1996-1997
DEBBIE LOU JONES BYRNE	1997-1998
ROBERT PRESTON LIGHT	1998-1999
DANIKA NIKOLE TAYLOR	1999-2000
JEREMY PAUL COFFELT	2000-2001
JENNIFER LYN BEREND	2001-2002

FACULTY AWARD

The Faculty Award is an award given by the faculty of Midwestern State University to a full-time faculty member for teaching excellence and service to the University.

1977	Arthur F. Beyer
1978	Harlan J. Steph
1979	Robert E. Clark
1980	F. Robert Madera
1981	Billy C. Brackeen
1982	O. Emerson Capps
1983	Norman V. Horner
1984	William E. Hinds
1985	Emily E. LaBeff
1986	Nancy A. Scott
1987	John W. Meux
1988	Michael J. Flavin
1989	Sherry Gillespie
1990	Donald Maxwell
1991	Charles D. Ramser
1992	Ranette Halverson
1993	Frederick B. Stangl, Jr.
1994	Jefferson H. Campbell
1995	Robert G. Welch
1996	Richard P. Simpson
1997	Diane M. Spiller
1998	Martha Harvey
1999	John V. Grimes
2000	Henry Van Geem
2001	Stewart B. Carpenter
2002	Sandra J. Church





COMMON COURSE NUMBERS

COMMON COURSE NUMBERS

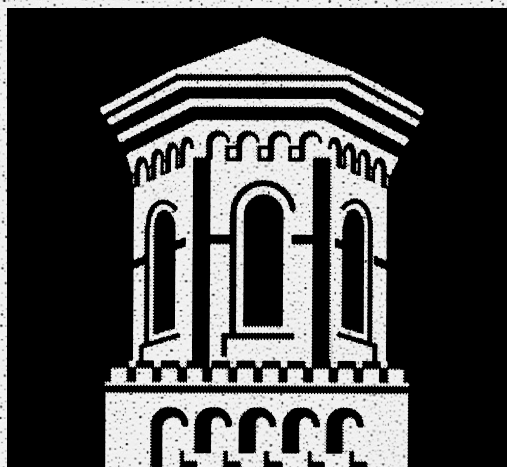
To facilitate the transfer of courses, Midwestern State University participates with other Texas schools in designating the common course number for the following courses:

COMMON COURSE NO.	MSU COURSE NO.	COMMON COURSE NO.	MSU COURSE NO.
ACCT 2301	ACCT 2143	ENGL 1301	ENGL 1113
ACCT 2302	ACCT 2243	ENGL 1302	ENGL 1123
ARTS 1301	ART 1413	ENGL 2322	ENGL 2813
ARTS 1311	ART 1113	ENGL 2323	ENGL 2823
ARTS 1312	ART 1123	ENGL 2327	ENGL 2613
ARTS 1316	ART 1313	ENGL 2328	ENGL 2623
ARTS 1317	ART 1323	ENGL 2332	ENGL 2413
ARTS 2316	ART 2313	ENGL 2333	ENGL 2423
ARTS 2317	ART 2323	FREN 1411	FREN 1134
ARTS 2326	ART 2523	FREN 1412	FREN 1234
ARTS 2327	ART 2823	FREN 2311	FREN 2133
ARTS 2333	ART 2153	FREN 2312	FREN 2233
ARTS 2346	ART 2613	GEOL 1304	GEOL 1233
ARTS 2347	ART 2623	GEOL 1403	GEOL 1134
ARTS 2356	ART 2013	GERM 1411	GERM 1134
BCIS 1301	BUAD 2153	GERM 1412	GERM 1234
BIOL 1322	BIOL 2333	GERM 2311	GERM 2133
BIOL 1411	BIOL 1544	GERM 2312	GERM 2233
BIOL 1413	BIOL 1144	GOVT 2301	POLS 1333
BIOL 2401	BIOL 1134	GOVT 2302	POLS 1433
BIOL 2402	BIOL 1234	HIST 1301	HIST 1133
BUSI 1301	BUAD 1033	HIST 1302	HIST 1233
BUSI 1307	FINC 1733	HIST 2311	HIST 1333
CHEM 1105	CHEM 1101	HIST 2312	HIST 1433
CHEM 1111	CHEM 1141	MATH 1314	MATH 1233
CHEM 1112	CHEM 1241	MATH 1316	MATH 1433
CHEM 1305	CHEM 1103	MATH 1332	MATH 1053
CHEM 1307	CHEM 1203	MATH 2413	MATH 1634
CHEM 1311	CHEM 1143	MATH 2414	MATH 1734
CHEM 1312	CHEM 1243	MATH 2415	MATH 2534
COMM 1307	JOUR 1233	MUSI 1157	MUSC 1931
COSC 1300	CMPS 1023	MUSI 1306	MUSC 1033
CRIJ 1301	CRJU 1113	MUSI 1310	MUSC 1033
CRIJ 2313	CRJU 2243	MUSI 1311	MUSC 1603
CRIJ 2323	CRJU 2213	MUSI 1312	MUSC 1613
CRIJ 2328	CRJU 2233	MUSI 2311	MUSC 2603
DRAM 1120	THEA 2121	MUSI 2312	MUSC 2613
DRAM 1310	THEA 1503	PHED 1164	KNES 1011
DRAM 1322	THEA 1413	PHED 1301	KNES 1053
DRAM 1330	THEA 1513	PHED 1304	KNES 1203
DRAM 1341	THEA 1613	PHED 1306	KNES 2213
DRAM 1351	THEA 2533	PHED 1308	KNES 2353
DRAM 2336	SPCH 1233	PHIL 1301	PHIL 1033
ECON 1301	ECON 1333	PHIL 1316	BIBL 1133
ECON 2301	ECON 2333	PHIL 1317	BIBL 1233
ECON 2302	ECON 2433	PHIL 2303	PHIL 1533

PHIL	2306	PHIL	2033	SPAN	1411	SPAN	1134
PHIL	2316	PHIL	2233	SPAN	1412	SPAN	1234
PHYS	1401	PHYS	1144	SPAN	2311	SPAN	2133
PHYS	1402	PHYS	1244	SPAN	2312	SPAN	2233
PSYC	2301	PSYC	1103	SPCH	1315	SPCH	1133
SOCL	1301	SOCL	1133	SPCH	1342	SPCH	1233
SOCL	1306	SOCL	2233	SPCH	2341	SPCH	2133







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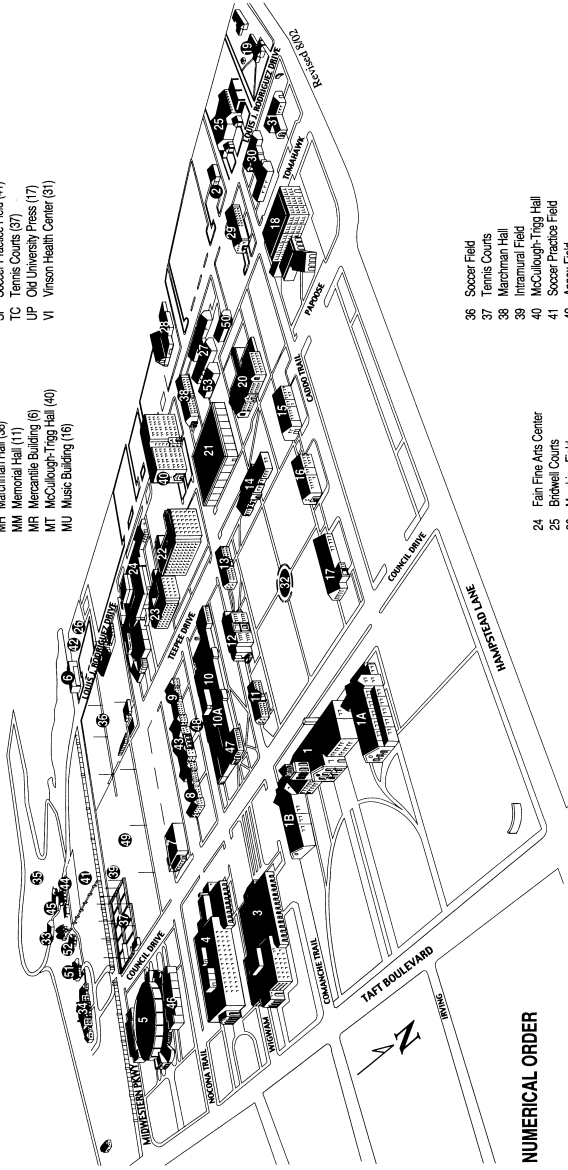
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MIDWESTERN STATE UNIVERSITY

ALPHABETICAL ORDER

- AA Akin Auditorium (1A)
 AF Annex Field (42)
 AS Academic Support Center (17)
 BC Bridwell Courts (25)
 BF Bolin Fountain (32)
 BH Bridwell Hall (18)
 BO Bolin Hall (4)
 BW Bea Wood Hall (9)
 CA Catholic Student Center (2)
 CC Church of Christ Bible Chair (28)
 CE Continuing Education (1)
 CO Ligon Hall (5)
 CP Central Plant (7)
 CR Carrigan School (1909 Blonde)
 CS Clark Student Center (10)
 CS Clark Student Center Atrium (10A)
 CU Credit Union (15) [ME]
 DA Daniel Hall (21)
 EX Alumni House (44)
 FA Fair Fire Arts Center (24)
 FE Ferguson Hall (12)
 FN Fair Hall (13)
 FO Fowler Hall (20)
 HA Hardin Hall (1)
 HN Hardin North (1A)
 HS Hardin South (1B)
 IE Intensive Eng. Lang. Inst. (6)
 IF Intramural (39)
 IF Intramural Music Hall (29)
 KH Killingsworth Hall (22)
 LA College of Liberal Arts Hall (43)
 LI Library-Moffitt (3)
 MC Martin Hall (14)
 MC McCullough Hall (27)
 ME Music Education (15)
 MF Marching Field (26)
 MG McGaha Hall (30)
 MH Marchman Hall (38)
 MM Memorial Hall (11)
 MR Mercantile Building (6)
 MT McCullough-Trip Hall (40)
 MU Music Building (16)
 OD O'Donohoe Hall (8)
 OE Outdoor Education Center (23)
 PH Pience Hall (23)
 PO Police Department (19)
 Q Quadrangle (32)
 SB Small Bus. Dev. Center (15) [ME]
 SF Soccer Field (36)
 SH Sikes House (34)
 SI Sikes Lake Center (45)
 SL Sikes Lake (35)
 SP Soccer Practice Field (41)
 TC Tennis Courts (37)
 UP Old University Press (17)
 VI Vinson Health Center (31)



NUMERICAL ORDER

- 1 Hardin Hall
 1A Hardin North
 2 Akin Auditorium
 3 Hardin South
 4 Catholic Student Center
 5 Moffitt Library
 6 Bolin Hall
 7 Ligon Hall
 8 Central Plant
 9 Mercantile Building
 10 O'Donohoe Hall
 11 Bea Wood Hall (4)
 12 Clark Student Center
 10A Clark Student Center Atrium
 11 Memorial Hall
 12 Ferguson Hall
 13 Bolin Fountain
 14 Martin Hall
 15 Central Plant
 16 Credit Union
 17 Music Building
 18 Old University Press
 19 Academic Support Center
 20 Bolin Hall
 21 Harpstead House
 22 Police Department
 23 Fowler Hall
 24 Daniel Hall
 25 Killingsworth Hall
 26 Pience Hall
 27 Old University Press
 28 Academic Support Center
 29 Bolin Hall
 30 Harpstead House
 31 Police Department
 32 Fowler Hall
 33 Daniel Hall
 34 Killingsworth Hall
 35 Pience Hall
 36 Soccer Field
 37 Tennis Courts
 38 Marchman Hall
 39 Intramural Field
 40 McCullough-Trip Hall
 41 Soccer Practice Field
 42 Annex Field
 43 College of Liberal Arts Hall
 44 Alumni House
 45 Sikes Lake Center
 46 Wellness Center
 47 Barnes and Noble Bookstore
 48 Switzer Plaza
 49 Practice Field
 50 Plant Shop
 51 Guest House
 52 Carriage House
 53 Robotics Laboratory

MIDWESTERN STATE UNIVERSITY**INFORMATION REQUEST FORM**

Prospective students are encouraged to contact MSU Admissions. An application package will be sent to you by completing this form. If you desire a visit to the MSU campus, contact our office to schedule your personal tour of Midwestern State. Our office hours are 8:00 a.m. to 5:00 p.m. Monday-Friday, excluding the holiday periods.

Name _____ SSN _____

Address _____

City _____ State _____ Zip _____

Telephone _____

Intended Major _____

Other Interests _____

School Now Attending _____

What year/semester do you plan to start at MSU? _____

Current Classification: High School ☐ FR ☐ SO ☐ JR ☐ SR
 College Transfer ☐ Junior College Transfer
 ☐ Senior College Transfer

Other requests: _____

Please return this form to:

Midwestern State University
Admissions Office
3410 Taft Boulevard
Wichita Falls, TX 76308-2099
Local: (940) 397-4334
Toll-free: 1-800-842-1922
E-mail: admissions@mwsu.edu

Midwestern State University's home page: <http://www.mwsu.edu>