

MIDWESTERN STATE UNIVERSITY

<http://www.mwsu.edu>

UNDERGRADUATE CATALOG

2010-2012

Midwestern State University Undergraduate Catalog is published every two years by Midwestern State University, 3410 Taft Blvd., Wichita Falls, TX 76308-2099. Third-class postage is paid at Wichita Falls, TX 76307.

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Cover Photograph by: Meegan Weaver - '07

Cover Layout by: Julie Gaynor - '94

Photographs by: Flash Photography

MSU Athletics

MSU Office of Public Information and Marketing

MSU Student Development and Orientation

Meegan Weaver



Fall Semester 2010

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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15	16	17	18	19	20	21		12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18		
22	23	24	25	26	27	28		19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25		
29	30	31						26	27	28	29	30			24	25	26	27	28	29	30	28	29	30				26	27	28	29	30	31				

Priority Application Date for Admission	November 1, 2010
Application Deadline for Admission	December 15, 2010
Reenrolling Student Registration	January 10-11
Student Orientation, Advising, and Registration	January 12-13
Student Advising and Registration	January 14
Classes begin	January 15
Martin Luther King's Birthday observed - No classes	January 17
Change of Schedule or Late Registration	January 18-20
Deadline for May graduates not enrolled for fall semester to file for graduation	February 21
Spring Break begins 5:00 p.m. (March 14-19)	March 12
Classes resume	March 21
Easter Break begins 10:00 p.m. (Easter – April 24)	April 20
Classes resume	April 25
Last day of classes	May 6
Final examinations begin	May 7
Commencement	May 14

[illegible]

Summer Session 2011

First Term (May 31 – June 30)	
Priority Application Date for Admission	May 1
Application Deadline for Admission	May 15
Student Advising and Registration*	May 23-26
Memorial Day Holiday	May 30
Classes begin	May 31
Examinations	June 30

Second Term (July 5 – August 4)	
Priority Application Date for Admission	June 1
Application Deadline for Admission	June 15
Student Advising and Registration*	June 30
Independence Day Holiday	July 4
Classes begin	July 5
Deadline for August graduates to file for graduation	July 11
Examinations	August 4

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

MAY							JUNE							JULY							AUGUST						
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
1	2	3	4	5	6	7				1	2	3	4							1	2	3	4	5	6		
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30	28	29	30	31			
														31													



ACADEMIC CALENDAR

2011-2012

Fall Semester 2011

Priority Application Date for Admission	March 1
Application Deadline for Admission	August 7
Faculty Meetings	August 15
Reenrolling Student Registration	August 15-16
Student Orientation, Advising, and Registration	August 17-19
Classes begin	August 20
Change of Schedule or Late Registration	August 22-24
Labor Day - No classes	September 5
Deadline for December graduates to file for graduation	October 3
Deadline for May graduates to file for graduation	October 10
Thanksgiving Holidays begin 10:00 p.m.	November 22
Classes resume	November 28
Last day of classes	December 2
Final examinations begin	December 3
Commencement	December 10

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

Spring Semester 2012

Priority Application Date for Admission	November 1, 2011
Application Deadline for Admission	December 15, 2011
Reenrolling Student Registration	January 9-10
Student Orientation, Advising, and Registration	January 11-12
Student Advising and Registration	January 13
Classes begin	January 14
Martin Luther King's Birthday observed - No classes	January 16
Change of Schedule or Late Registration	January 17-19
Deadline for May graduates not enrolled for fall semester to file for graduation	February 20
Spring Break begins 5:00 p.m.	March 10
(March 12-17)	
Classes resume	March 19
Easter Break begins 10:00 p.m.	April 4
(Easter – April 8)	
Classes resume	April 9
Last day of classes	May 4
Final examinations begin	May 5
Commencement	May 12

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

Summer Session 2012

First Term	(May 29 – June 28)
Priority Application Date for Admission	May 1
Application Deadline for Admission	May 15
Student Advising and Registration*	May 21-24
Memorial Day Holiday	May 28
Classes begin	May 29
Examinations	June 28
Second Term	(July 2 – August 2)
Priority Application Date for Admission	June 1
Application Deadline for Admission	June 15
Student Advising and Registration*	June 28
Classes begin	July 2
Independence Day Holiday	July 4
Deadline for August graduates to file for graduation	July 9
Examinations	August 2

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

MAY							JUNE							JULY							AUGUST						
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
		1	2	3	4	5	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31					26	27	28	29	30	31	



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

Dr. Carol Carlson Gunn, Chair	Graford
Dr. F. Lynwood Givens, Secretary	Plano
Michael Bernhardt	Wichita Falls
J. Kenneth Bryant	Wichita Falls
Tiffany Burks	Grand Prairie
Charles Engelman	Wichita Falls
Shawn G. Hessing	Fort Worth
Samuel M. Sanchez	Fort Worth
Jane W. Spears	Wichita Falls

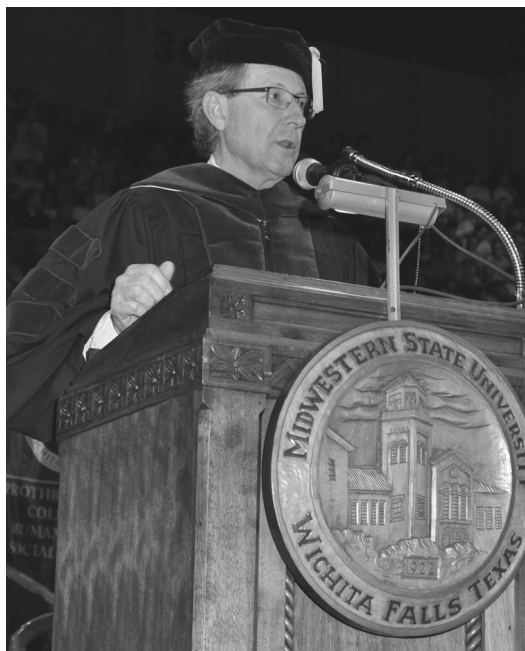
In accordance with the provisions of the Education Code, Sections 51.355 and 51.356, each public university Board of Regents includes one student member appointed by the Governor. Governor Rick Perry appointed MSU student David Reyna as the student regent for Midwestern State University. His term began June 1, 2010 and will expire May 31, 2011.



UNIVERSITY ADMINISTRATION

Jesse W. Rogers, Ph.D.	President
Richard Ash, M.F.A.	Interim Director, Museum
Deborah L. Barrow, M.A.	Director, Board and Government Relations
Roger Lee, J.D.	General Counsel
David Spencer, B.B.A., C.P.A.	Internal Auditor
Dianne Weakley	Director, Human Resources
Alisa R. White, Ph.D.	Provost
Rodney Cate, Ph.D.	Interim Dean, College of Science and Mathematics
Naoma Clark, M.A.	Director, Academic Support Center
Mark Farris, Ph.D.	Director, Honors Program
Ronald D. Fischli, Ph.D.	Dean, Lamar D. Fain College of Fine Arts
Patti Hamilton, Ph.D.	Dean, Graduate School
Clara Latham, Ph.D.	University Librarian
Pam Morgan, Ph.D.	Director, Extended Education
Barbara Nemecek, Ph.D.	Dean, Dillard College of Business Administration
Susan Sportsman, R.N., Ph.D.	Dean, College of Health Sciences and Human Services
Samuel E. Watson, III, Ph.D.	Dean, Prothro-Yeager College of Humanities and Social Sciences
Larry E. Williams, Ph.D.	Director, International Education
VACANT	Dean, Gordon T. and Ellen West College of Education
Robert E. Clark, Ph.D.	Vice President for Institutional Effectiveness
Julie Carter	Director, MSU Cycling Team
Lynn Ducioame, B.A.	Director, Testing Center
Lisa Estrada-Hamby, M.A.	Director, Upward Bound
Randy Glean, Ph.D.	Director, International Services
Darla Inglish, M.A.	Registrar
Barbara Merkle, M.S.P.E.	Director, Admissions
Kathy Pennartz, B.B.A.	Director, Student Financial Aid
Cassandra Slaybaugh, B.S.	Director, Institutional Research, Planning, and Assessment
Juan Sandoval, M.B.A.	Vice President for Administration and Finance
Michael Dye, B.A.A.S.	Director, Information Systems
Gail Ferguson, B.B.A., C.P.A.	Controller
Valarie Maxwell, M.B.A.	Director, Budget and Management
Kyle Owen, M.S.M.E.	Interim Director of Physical Plant
Kathy Rice, B.A.A.S.	Payroll Supervisor
Stephen Shelley, B.S.	Director, Purchasing
Howard Farrell, Ed.D.	Vice President for University Advancement and Student Affairs
Kristal Amador, B.A.	Director, University Development
Janus Buss, B.S.	Director, Public Information & Marketing
Andy Martinez	Print Shop Supervisor
Robert Steflik, B.A.A.S.	Webmaster
Leslee Ponder, B.A.	Director, Alumni Relations
Keith Lamb, Ph.D.	Associate Vice President for Student Affairs
Peggy Boomer, B.S.N., R.N.	Director, Student Health Services
Michael Clifton, B.S.	Director, Dining Services
Jenny Denning, B.S.E.	Manager, Barnes & Noble Bookstore
Debra Higginbotham, M.S.	Director, Disability Support Services
Cindy Loveless, B.S.E.	Postal Services Supervisor

Pam Midgett, Ph.D.	Director, Counseling Services
Dirk Welch, M.S.	Director of Career Management Center
Keith Williamson, M.D.	University Physician
G. Dail Neely, M.S.	Dean of Students
Joey Greenwood, Ed.D.	Dean of University Wellness/ Director, Recreational Sports
Matthew Park, M.B.A. ...	Director, Student Development & Orientation
Michael Mills, M.B.A.	Director, Housing and Residence Life
VACANT.	Chief, University Police
Charlie Carr, M.A.T.	Director of Athletics
Christina Feldman, M.S.	Assistant Athletic Director, Business Affairs and Facilities/Event Management
Doug Elder, M.A.	Head Men's Soccer Coach
Venera Flores-Stafford, M.B.A., M.M.	Associate Athletic Director/Senior Woman Administrator/Head Volleyball Coach
Noel Johnson, M.Ed.	Head Women's Basketball Coach
Grant McCasland, M.S.	Head Men's Basketball Coach
William Maskill, M.A.	Head Football Coach
Kurt Portmann, M.S.K.	Executive Associate Athletic Director
William Powers, M.K.	Assistant Athletic Director, Marketing, Promotions, and Public Relations
Jeff Ray, M.S.P.E.	Head Golf Coach and Coordinator, Champs Life Skills Program
Trey Reed, B.A.A.S.	Sports Information Director
Koby Styles, B.S.	Head Women's Cross Country Coach
Brady Tigert, M.Ed.	Head Softball Coach
Jeff Trimble, M.A.	Head Women's Soccer Coach
Kyle Williams, B.S.	Associate Athletic Director, Development
VACANT.	Head Tennis Coach







GENERAL INFORMATION

Our Mission

Our Values

Accreditation and Membership

Other General Information

OUR MISSION

Midwestern State University is a leading public liberal arts university committed to providing students with rigorous undergraduate and graduate education in the liberal arts and the professions. Through a major emphasis on teaching, augmented by opportunities for students to join faculty in research and creative activities, and to participate in co-curricular and service programs, the university prepares them to embark upon their careers or undertake advanced study. The university's academic programming, particularly its undergraduate degrees, is based upon a comprehensive arts and sciences core curriculum. The understanding that students gain of themselves, others, and the social and natural world prepares them to contribute constructively to society through their work and private lives.

OUR VALUES

Excellence in teaching, learning, scholarship, and artistic production
 Intellectual curiosity and integrity
 Critical thinking
 Emotional and physical well-being
 Mutual respect, civility, and cooperation
 Social justice
 Civic service
 Responsible stewardship of financial and human resources
 A safe, attractive, and well-designed campus
 A commitment to sustainable environmental resources

UNIVERSITY ACCREDITATION AND MEMBERSHIP

Midwestern State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, and master's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Midwestern State University. 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 to Advance Collegiate Schools of Business International
 Board of Nurse Examiners for the State of Texas
 Commission on Accreditation of Allied Health Education Programs
 Commission on Accreditation of Athletic Training Education
 Commission on Accreditation for Respiratory Care
 Commission on Collegiate Nursing Education
 Council on Social Work Education
 Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202, (410) 347-7700
 Joint Review Committee on Education in Radiologic Technology
 National Association of Schools of Music
 State Board for Educator Certification

MEMBERSHIP

American Association of Colleges of Nursing
 American Association of Colleges for Teacher Education
 American Association of State Colleges and Universities
 American Schools of Allied Health Professionals
 Association for Education in Journalism and Mass
 Communication
 Association of American Colleges and Universities
 Association of Collegiate Business Schools and Programs
 Association of Collegiate Educators in Radiologic
 Technology
 Association of Governing Boards of Universities and Colleges
 Association of Schools of Allied Health Professions
 Association of Schools of Journalism and Mass Communication
 Association of Teacher Educators
 Association of Texas Graduate Schools
 Association to Advance Collegiate Schools of Business,
 International
 College Art Association of America
 Commission on Accreditation of Allied Health Education
 Programs
 Conference of Southern Graduate Schools
 Council for Advancement and Support of Education
 Council for Higher Education Accreditation
 Council of Colleges of Arts and Sciences
 Council of Public Liberal Arts Colleges
 Council of Undergraduate Research
 ExLibris Users of North America
 National Association of Schools of Music
 National Association of Schools of Public Affairs and
 Administration
 National League for Nursing
 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 Intercollegiate Press Association
 Texas International Education Consortium
 Texas Library Association
 Texas Music Educators Conference
 The College Board
 United States Institute of Theatre Technology

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, a foreign language listening lab, the offices of the Honors Program, 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 ExLibris Group, which automates the major library components. Links through the library's website allow users to search journal and newspaper indexes, government information, and the Internet, as well as providing some full-text materials.

Library holdings include over 900,000 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.

OFFICE OF PUBLIC INFORMATION AND MARKETING

All official University news, except athletic 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 and the University print shop.

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.

Sexual Harassment Policy: It is the policy of Midwestern State University that no member of the university community may sexually harass another. The policy is presented in detail in the *Midwestern State University Student Handbook* link on the Dean of Students webpage at <http://students.mwsu.edu/dean>.

STUDENT RIGHT TO KNOW AND CAMPUS SECURITY ACT (CLERY ACT)

Graduation rates for undergraduates may be found at <http://www.mwsu.edu/institutionalresearch>. Graduation rates for graduate students are available in the Office of the Director of Institutional Research and Planning. The campus crime statistics may be reviewed at the University Police Office or online at <http://police.mwsu.edu>.





STUDENT LIFE

Student Affairs

Student Honor Creed

Student Rights

University Housing and Residence Life

STUDENT AFFAIRS

The primary purpose of the Division 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. Programs are based on the beliefs that teaching-guidance-counseling are one and the same, that individual and group counseling are vital to the realization of positive academic performance, and that student developmental programs and co-curricular activities possess significance and are of value in the total growth and development of students. 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 that will assist students with their development; and
3. to cooperate with all curricular, social, recreational, and religious programs in the University community.

For a complete description of all programs, services, and activities available to students not listed in this catalog, please refer to the most recent copy of the *Midwestern State University Student Handbook*. Copies of the *Midwestern State University Student Handbook* may be obtained at the Clark Student Center Information Desk, or it may be electronically accessed via the Dean of Students website: <http://students.mwsu.edu/dean/>. Specific services and programs addressed in the *Midwestern State University Student Handbook* are:

1. Alumni Association (<http://alumni.mwsu.edu>)
2. Annual Fund (<http://www.mwsu.edu/annualfund>)
3. Bookstore (<http://mwsu.edu/bookstore>)
4. Bruce and Graciela Redwine Student Wellness Center (<http://students.mwsu.edu/recsports/wellnesscenter.asp>)
5. Campus Card Services (<http://students.mwsu.edu/campuscard>)
6. Career Management Center (<http://www.mwsu.edu/career>)
7. Clark Student Center (<http://students.mwsu.edu/csc>)
8. Counseling Center (<http://students.mwsu.edu/counseling>)
9. Cultural Opportunities
 - a. Artist-Lecture Series (<http://web.mwsu.edu/artistlectureseries>)
 - b. Lamar D. Fain College of Fine Arts
 - i. The Juanita Harvey Art Gallery (<http://finearts.mwsu.edu/art/gallery>)
 - ii. Music Concerts (<http://finearts.mwsu.edu/music/concerts>)
 - iii. Theatre (<http://finearts.mwsu.edu/theatre/production.asp>)
 - c. Wichita Falls Museum of Art at Midwestern State University (<http://www.mwsu.edu/wfma>)
10. Dean of Students (<http://students.mwsu.edu/dean>)
11. Dining Services (<http://www.campusdish.com/en-us/CSSW/Midwestern>)
12. Greek Life (<http://students.mwsu.edu/development/greeklife>)
13. Insurance for Students (<http://healthcenter.mwsu.edu>)
14. Intercollegiate Athletics (<http://msumustangs.com>)
15. Multicultural Services (<http://students.mwsu.edu/development/multicultural>)
16. New Student Orientation Programs (<http://students.mwsu.edu/development>)
17. Post Office (<http://web.mwsu.edu/postoffice>)
18. Recreational Sports (<http://students.mwsu.edu/recsports>)
19. Student Activities (<http://students.mwsu.edu/development/activitycalendar>)
20. Student Development Programs (<http://students.mwsu.edu/development>)
21. Student Government (<http://students.mwsu.edu/studentgovernment>)

22. Student Organizations (<http://students.mwsu.edu/development>)
23. Student Publications (<http://students.mwsu.edu>)
24. Student Success Series
25. University Police (<http://police.mwsu.edu>)
26. University Programming Board (<http://students.mwsu.edu/development/upb>)
27. Vinson Health Center (<http://healthcenter.mwsu.edu>)
28. Wellness Programs (<http://students.mwsu.edu/recsports/fitness-schedule.asp>)

STUDENT HONOR CREED

The MSU Student Government Association developed the following Student Honor Creed in the 2002-2003 academic year.

“As an MSU student, I pledge not to lie, cheat, steal, or help anyone else do so.”

As students at MSU, we recognize that any great society must be composed of empowered, responsible citizens. We also recognize universities play an important role in helping mold these responsible citizens. We believe students themselves play an important part in developing responsible citizenship by maintaining a community where integrity and honorable character are the norm, not the exception.

Thus, we the students of Midwestern State University, resolve to uphold the honor of the University by affirming our commitment to complete academic honesty. We resolve not only to be honest but also to hold our peers accountable for complete honesty in all university matters.

We consider it dishonest to ask for, give, or receive help in examinations or quizzes, to use any unauthorized material in examinations, or to present, as one's own, work or ideas which are not entirely one's own. We recognize that any instructor has the right to expect that all student work is honest, original work. We accept and acknowledge that responsibility for lying, cheating, stealing, plagiarism, and other forms of academic dishonesty fundamentally rests within each individual student.

We expect of ourselves academic integrity, personal professionalism, and ethical character. We appreciate steps taken by University officials to protect the honor of the university against any who would disgrace the MSU student body by violating the spirit of this creed.

ACADEMIC DISHONESTY

For information regarding Midwestern State University's policies about academic dishonesty, please refer to the current Student Handbook which may be obtained in the Dean of Student's Office. The handbook is also available online. Go to <http://students.mwsu.edu/dean> and then click the Student Handbook link.

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 rights 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 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 - 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.

SERVICES FOR STUDENTS WITH DISABILITIES

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable adjustments in its policies, practices, services, and facilities to ensure equal opportunity for qualified persons with disabilities to participate in all educational programs and activities.

Disability Support Services provides information and assistance, arranges accommodations, and serves as a liaison for students, instructors, and staff. The office has assistive devices such as books on tape, recorders, and adaptive software that can be lent to qualified individuals. A student/employee who seeks accommodations on the basis of disability must register with Disability Support Services, Clark Student Center, Room 168. Documentation of disability from a competent professional is required.

Individuals with grievances related to discrimination or lack of accommodation on the basis of a disability are encouraged to resolve the problem directly with the area involved. If the matter remains unresolved, advice and assistance will be provided by Disability Support Services. Specific information on filing a grievance is available in Disability Support Services or in the Student Affairs office, Hardin 112, (940) 397-4291.

The Director of Disability Support Services serves as the ADA Coordinator and may be contacted at (940) 397-4140, TDD (940) 397-4515, or 3410 Taft Blvd., Clark Student Center Room 168. The web address is <http://students.mwsu.edu/disability/>.

UNIVERSITY HOUSING AND RESIDENCE LIFE

A. Housing Policy

The housing policy is based on the belief that living in university housing can provide both educational and social opportunities important to the success of college students. National studies have demonstrated that students residing on-campus tend to develop and progress at a better rate toward the completion of their degrees than those students living in off-campus housing. All students enrolling at Midwestern State University are required to live in university housing unless they:

1. Are living in the home of their parents or legal guardians 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 contract period.
4. Have reached the age of 21 prior to the first day of classes for the housing contract period.
5. Are part-time students enrolled in 11 hours or less for the fall or spring semester.
6. Are enrolled for evening classes only.

Effective January 1, 2010, HB 4189 requires all new students residing in university housing to receive a vaccination against bacterial meningitis at least ten (10) days prior to taking residence. As such, proof of vaccination or eligibility for an exemption is required as part of the housing application. More information can be found at <http://housing.mwsu.edu/pdf/Form-257-Bacterial-Meningitis.pdf>.

B. Food Service Policy

All students living in MSU residence halls (except Bridwell Courts, Sundance Court, Sunwatcher Village, Honors House and Biology House) during the fall and spring semesters are required to take a meal plan in the Mesquite Dining Room. Three meal plans (10 meals per week with \$75 declining balance, 14 meals per week with \$75 declining balance, and 19 meals per week with \$65 declining balance) are available for students residing in the residence halls. Each meal plan includes the declining balance that may be used at any dining facility in the Clark Student Center. An optional 10 meal plan is available during either summer session.

For additional information about Housing and Residence Life, refer to the most recent edition of the *Midwestern State University Student Handbook*, the Housing and Residence Life website (<http://housing.mwsu.edu/>), or call (940) 397-4217.

APPLICABILITY OF REGULATIONS

Enrollment at 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 through the Office of the Associate Vice President for Student Affairs or the Information Desk located in the Clark Student Center. 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.





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

Excess Hours Beyond Degree Requirements

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 budgets in keeping with their needs and financial conditions. 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, American Express, and Discover credit cards. Payment by check or credit card is available on the MSU website at www.mwsu.edu/online-payments. A convenience fee of 2.75% of the total payment amount will be charged to your account when choosing the credit card payment option.
2. Installment Plan - Can be used for tuition, fees, room, and board. The first payment is due at registration and is one-third of total fees, the second payment is due prior to the sixth week of class and is one-third of the total fees, and the third payment is due prior to the eleventh week of class and is the final one-third. A non-refundable fee of \$22.50 is assessed for this payment option. The installment contract may be accessed on the MSU website at www.mwsu.edu/onlinepayments.
3. Emergency Tuition and Fee Loan - Must be approved by the Business Office. In addition to a 1% service charge, a \$22.50 loan origination fee will be added to the loan. The Emergency Tuition and Fee Loan contract is available on the MSU website at www.mwsu.edu/onlinepayments.

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 2010)	\$3,359.75
*Course Fees (estimated)	200.00
Vehicle Registration (second decal \$5.00)	<u>32.00</u>
	\$3,591.75

Books (estimated)600.00
**Room and Board	(14 meals per week plan - Fall 2010 rates)	<u>2,910.00</u>
	(10 meals per week plan \$2,860.00)	
	(19 meals per week plan \$2,970.00)	

Total estimated charges per semester\$7,101.75

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

Students enrolling in graduate courses will be charged an additional \$40.00 per semester credit hour above the statutory minimum rate (\$50.00) 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

Per Semester - Fall 2010

Semester Credit Hours	<u>Texas Resident</u>	<u>Non-Resident</u>
20	4,315.00	10,515.00
19	4,127.45	10,017.45
18	3,939.90	9,519.90
17	3,752.35	9,022.35
16	3,562.80	8,522.80
15	3,359.75	8,009.75
14	3,155.70	7,495.70
13	2,948.65	6,978.65
12	2,735.60	6,455.60
11	2,522.55	5,932.55
10	2,309.50	5,409.50
9	2,096.45	4,886.45
8	1,883.40	4,363.40
7	1,670.35	3,840.35
6	1,457.30	3,317.30
5	1,244.25	2,794.25
4	1,031.20	2,271.20
3	818.15	1,748.15
2	605.10	1,225.10
1	392.02	702.50

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

SUMMER SESSION

Per Summer Term - Summer 2011

Semester Credit Hours	<u>Texas Resident</u>	<u>Non-Resident</u>
12	2,537.10	6,257.10
11	2,348.55	5,758.55
10	2,160.00	5,260.00
9	1,971.45	4,761.45
8	1,781.90	4,261.90
7	1,577.85	3,747.85
6	1,367.80	3,227.80
5	1,154.75	2,704.75
4	941.70	2,181.70
3	728.65	1,658.65
2	515.60	1,135.60
1	302.55	612.55

Resident tuition for 2010-2011 will be \$50.00 per semester hour.

Non-Resident tuition for 2010-2011 will be \$360.00 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, the Recreation Center 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
Emergency Tuition and Fee Loan Origination Fee	22.50
Emergency Tuition and Fee Loan Service Charge	1%
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 approved course(s) offered by Midwestern without payment of a fee if space is available.

Course Fee (per course per semester hour)

ACCT	7.00	ECON	7.00	GNSC	12.00	MKTG	7.00	SOCL	5.00
AMUS	70.00 *	EDBE	7.00	HIST	5.00	MLSC	5.00	SOST	5.00
ART	12.00	EDLE	7.00	HSAD	5.00	MUSC	11.00	SOWK	5.00
ATRN	10.00	EDUC	7.00	HUMN	5.00	MWSU	5.00	SPAD	7.00
BAAS	5.00	ENGL	6.00	IEGR	25.00	NURS	30.00	SPAN	7.00
BIOL	20.00	ENSC	20.00	KNES	15.00	PHIL	5.00	SPCH	5.00
BUAD	7.00	ETEC	7.00	LSBA	7.00	PHYS	20.00	SPED	7.00
CHEM	20.00	EXPH	15.00	MATH	9.00	POLS	5.00	STAT	5.00
CMPS	15.00	FINC	7.00	MCOM	11.00	PSYC	5.00	THEA	11.00
COUN	7.00	FREN	7.00	MENG	25.00	PUAD	5.00		
CRJU	5.00	GEOG	5.00	MENT	25.00	RADS	11.00		
DNHY	15.00	GEOS	20.00	MGMT	7.00	READ	7.00		
ECED	7.00	GERM	7.00	MIS	15.00	RESP	11.00		

* per course

Students taking distance learning classes are charged a fee of \$32.00 per credit hour in addition to the course fee.

Application Fee	25.00
Application Matriculation Fee	10.00
Late Application/Registration Fee	25.00
Reinstatement Fee	25.00
Returned Check Charge	15.00
Vehicle Registration (see explanation)	32.00
Duplicate or second decal	5.00
Tuition for Repeated Hours (see explanation)	100.00 per semester credit hour

DEGREE FEES:

Graduation Fee	20.00
Thesis Binding (per copy)	25.00

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

TESTING FEES:

ACT Test (national), with essay	47.00
ACT Test (national), no essay	32.00
ACT Test (residual)	50.00
Accuplacer	29.00
CLEP (An additional \$10.00 for each essay portion)	97.00
Correspondence Test	10.00
GRE ScoreItNow (Analytical Writing Test)	20.00
DANTES	85.00
ExCET	120.00
ExCET Superintendent Test	240.00
GED Test (for non-high school graduate)	90.00
GMAT	250.00
GRE	160.00
GRE Score It Now (Analytical Writing Test)	20.00
ISAT Test (residual SAT)	50.00
LSAT	132.00
MAT	65.00

MCAT	230.00
NET/HOBET	30.00
PCAT	150.00
Proctoring Fee for Web-based or Web-CT Exams	10.00
Proficiency Examination	35.00
SAT Test (national SAT)	45.00
TCLEOSE	30.00
THEA Test	29.00
TOEFL	170.00
TOEIC	75.00
Writing Proficiency Examination (formerly English Usage Test)	25.00

INFORMATION AND DESCRIPTION OF FEES

Tuition Fee. (Sec. 54.051 Tex. Ed. Code). Tuition for resident students, except as otherwise hereinafter provided, is \$50.00 per semester credit hour for 2010-2011.

For the academic year beginning Fall 2010 and for the summer session 2011, tuition for non-resident students, except as otherwise hereinafter provided, is \$360.00 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 \$30.00 per semester credit hour. Residents of Oklahoma counties that border on Texas may be charged in-state tuition without the extra \$30.00 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.

U.S. Non-Residents. The Texas Higher Education Coordinating Board authorized Midwestern State University to charge all residents of the United States the Texas in-state tuition rate, plus an additional \$30.00 per semester credit hour.

Tuition for Repeated Hours. Following action by the 78th Texas Legislature, universities no longer receive formula funding for semester credit hours or contact hours attempted by a student who has enrolled in any course, other than a non-degree-credit developmental course, containing the same content for a third or more time(s) since the Fall semester 2002. The Texas Higher Education Coordinating Board has determined that the following types of coursework are exempt from this provision: thesis and dissertation courses; courses that involve different or more advanced content each time they are taken, including but not limited to, individual music lessons, theatre practicum, music performance, ensembles, certain physical education and kinesiology courses, and studio art; independent study courses; and special topics and seminar courses. Since Summer 2006, students have been assessed an additional tuition charge of \$100 per semester credit hour for courses taken at MSU for a third (or more) time since Fall semester 2002.

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

Designated 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. Currently (Fall 2010), the local tuition rate is \$96.55 per semester credit 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 \$15.50 per semester credit hour with a maximum charge of \$250.00 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 \$35.00 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 authorized 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 Alumni 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 university 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 the Hardin Administration Building.

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.

Student Recreational and Health Facilities Fee. (Sec. 54.5441 Tex. Ed. Code). The Board of Regents of Midwestern State University may charge each student enrolled at the university a recreational and health facilities fee not to exceed \$130.00 per semester or summer session of longer than six weeks or \$65.00 per summer session of six weeks or less. The fee may be used to finance, construct, operate, renovate, or maintain recreational and wellness facilities and programs at the university. The current rate in the Fall 2010 semester is \$120.00 per semester or summer session of longer than six weeks and \$60.00 per summer session of six weeks or less.

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 governance 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/rented at the University Bookstore during the three week period prior to graduation.

2. **Library Usage Fee.** A fee of \$7.00 per semester credit hour will be charged and collected from students 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. **Technology Fee.** A fee of \$22.00 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 \$4.00 per student for each regular term and \$2.00 per student for each summer term will be collected to assist students participating in international exchange or study program.
6. **Wellness Center Fee.** A fee of \$1.00 per semester credit hour, not to exceed \$15, will be charged and collected from students to cover expenses for the wellness programs.
7. **Energy Surcharge.** A fee of \$8.00 per semester credit hour will be charged and collected from students to cover the increased costs of utilities.
8. **Intercollegiate Athletic Fee.** A fee of \$9.00 per semester credit hour, not to exceed \$120.00, will be charged and collected from students to cover the expenses of the athletic program.
9. **Academic Support Fee.** A fee of \$4.00 per semester credit hour will be charged and collected from students to cover the costs of academic support services offered by the university to include academic advising, tutoring, and supplemental instruction as well as other expenses which the Board of Regents deems necessary or desirable in carrying out the necessary academic support services of Midwestern State University.

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, \$450.00 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

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 mailing 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 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 (4th day in summer), 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.

Title IV Refund Calculation. The refund calculation applies to any student who is attending the University, receives Title IV financial aid, and withdraws before completing at least 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 parking permits or payment plan 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. who, at the time of entry in the U.S. Armed Forces are Texas residents, designated Texas as Home of Record, or entered the service in Texas;
2. served as an active duty member for 181 days or more in the U.S. Armed Forces or in certain auxiliary services and received an honorable discharge from the armed forces; and
3. is eligible to receive educational benefits under federal legislation in effect at the time of registration unless using the Post 9/11 GI Bill and then only with the following provision:

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, 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. Provide a benefits letter from the Department of Veterans Affairs Muskogee Educational Center.
2. Provide a copy of the DD214 discharge papers.
3. Complete a Statement of Qualifications available from MSU Veterans Affairs Office and the state of Texas Hazlewood application, beginning spring 2006.

All required documents must be furnished to the MSU Veterans Affairs Office no later than the official day of enrollment of the semester that the student wishes to use benefits.

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. Under the Legacy Act, adopted July 2009, a veteran who is eligible for Hazlewood may assign unused hours to a child. Please come to the MSU Veterans Office for more information concerning this new program.

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 qual-

ify 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 and College Hours Bonus (House Bill 1479)

Early High School Graduates

This bill provides a tuition and fee exemption totaling up to \$2,000.00 to students who meet the following criteria:

1. have graduated from a public high school in Texas on or after September 1, 2003;
2. completed the recommended or distinguished high school curriculum;
3. must be a Texas Resident;
4. must have attended high school in Texas only;
5. have written permission from a parent or legal guardian to graduate early (if completing grades 9 - 12 in 41 continuous months or fewer); or
6. completed grades 9 - 12 in either fewer than 36 continuous or more than 36, but fewer than 41 continuous months.

The eligibility amounts are as follows:

- a. \$2,000.00 may be awarded to eligible students for tuition and fees that completed grades 9 - 12 in 36 continuous months or less.
- b. \$500.00 may be awarded to eligible students for tuition and fees that completed grades 9 - 12 in no less than 36 but not more than 41 continuous months.

College Hours Bonus

An additional \$1,000.00 award may be granted for students that have received college hours while still attending high school if they meet the following criteria:

1. Must be eligible for a 36-month Early Graduation award and graduate high school with at least 15 college hours; or
2. Must be eligible for 41-month Early Graduation award and graduate with at least 30 college hours; or
3. Must meet all the requirements for an Early Graduation award, but graduated in more than 41 but fewer than 46 continuous months with at least 30 college hours.

The funds received through any of these provisions may be used to pay tuition and mandatory fees while attending a public or independent institution of higher education in Texas. If the student attends an independent institution, the state funds are only available if the college agrees to match the state funds. An eligible student's principal or counselor must fill out the application and submit the completed form to the Texas Higher Education Coordinating Board. A copy of the student's high school transcript must accompany the application. Once the information has been evaluated by the Coordinating Board, they will send the student, high school, and college a letter confirming the student's eligibility and size of his/her award. After the student receives his/her award for the first semester of college, the Coordinating Board will send a reminder to the student to check into the possibility of additional College Hour Bonus awards and advise the student to

send them a copy of his/her college transcript to prove the number of hours taken and credited to him/her based on work prior to high school graduation.

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.

Children of Professional Nursing Program Faculty (Sec. 54.221 Tex. Ed. Code)

The governing board of an institution of higher education shall exempt from the payment of tuition a resident of this state enrolled as an undergraduate student at the institution who is a child of a person who, at the beginning of the semester or other academic term for which an exemption is sought, holds a master's or doctoral degree in nursing, if not employed or under contract as a teaching assistant under Subdivision (1) or (2), and:

- (1) is employed by an undergraduate or graduate nursing program in this state as a full-time member of its faculty or staff with duties that include teaching, serving as a administrator, or performing other professional services; or
- (2) has contracted with an undergraduate or graduate professional nursing program in this state to serve as a full-time member of its faculty or staff to perform duties described by Subdivision (1) during all or part of the semester or other academic term for which an exemption is sought or, if the child is enrolled for a summer session, during all or part of that session or for the next academic year.

A child who would qualify for an exemption under this section but for the fact that the child's parent is not employed full-time for an exemption on a pro rata basis equal to the percentage of full-time employment the parent is employed except that a parent employed for less than 25 percent of full-time employment is considered to be employed for 25 percent of full-time employment.

A person is not eligible for an exemption under this section if the person:

- (1) has previously received an exemption under this section for 10 semesters or summer sessions at any institution or institutions of higher education; or
- (2) has received a baccalaureate degree.

A summer session that is less than nine weeks in duration is considered one-half of a summer session.

The tuition exemption provided by this section applies only to enrollment of a child at the institution at which the child's parent is employed or under contract.

The definition of a child for this exemption is "a child 25 years of age or younger and includes an adopted child".

For a complete explanation of this program, please visit the Texas Higher Education Coordinating Board at: <http://www.theccb.state.tx.us/index.cfm?objectid=6470CCE1-ACB8-AEOB-27F43639CFD2A13A>. Scroll to subchapter 0.

To download an application for this program, please visit the Texas Higher Education Coordinating Board at: <http://www.theccb.state.tx.us/reports/PDF/1457.PDF>

Preceptors for Professional Nursing Education Programs (Sec. 54.222 Tex. Ed. Code)

The governing board of an institution of higher education shall exempt from the payment of \$500 of the total amount of tuition a resident of this state enrolled as a student at the institution who:

- (1) is a registered nurse; and
- (2) serves under a written preceptor agreement with an undergraduate professional nursing program as a clinical preceptor for students enrolled in the program.

A person is entitled to an exemption under Subsection (b) for one semester or other academic term for each semester or other academic term during which the person serves as a clinical preceptor as described by Subsection (b). The person may claim the exemption in:

- (1) the semester or other academic term in which the person serves as a clinical preceptor; or
- (2) a different semester or other academic term that begins before the first anniversary of the last day of a semester or other academic term described by Subdivision (1), if the person does not claim the exemption in the semester or other term during which the person serves as a clinical preceptor.

The governing board of an institution of higher education shall exempt from the payment of \$500 of the total amount of tuition a resident of this state enrolled as an undergraduate student at the institution who is a child of a person who meets the requirements of Subsection (b). The child is entitled to an exemption for one semester or other academic term for each semester or other academic term which the parent serves as a clinical preceptor. The child may claim the exemption in any semester or other academic term during which the parent could have claimed an exemption under Subsection (b). The child's eligibility for an exemption is not affected by whether the parent also received an exemption under Subsection (b) for the same qualifying service as a clinical preceptor.

If a person eligible for an exemption under this section owes less than \$500 in tuition, the governing board of the institution of higher education in which the person is enrolled shall exempt the person from the payment of only the amount of tuition the person owes.

A person is not eligible for an exemption under Subsection (c) if the person:

- (1) has previously received an exemption under this section for 10 semesters or summer sessions at any institution or institutions of higher education; or
- (2) has received a baccalaureate degree.

A summer session that is less than nine weeks in duration is considered one-half of a summer session.

The definition of a child for this exemption is "a child 25 years of age or younger and includes an adopted child".

For a complete explanation of this program, please visit the Texas Higher Education Coordinating Board at: <http://www.theccb.state.tx.us/index.cfm?objectid=6470CCE1-ACB8-AEOB-27F43639CFD2A13A>. Scroll to subchapter P.

To download an application for this program, please contact the Nursing Clinical Preceptor Administrator.

Children of Service-Members Who Are Deployed (Sec. 54.203 [b-2] Tex. Ed. Code)

Certain children or step children of a member of the U.S. Armed Forces who is deployed to active duty in a combat zone outside the United States may qualify for an exemption of tuition only.

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 (credit by exam beyond first 9 hours is included in calculation); and
3. has been classified as a resident of the state of Texas at all times while pursuing this degree.
4. Senate Bill 34 institutes a change requiring that students entering Fall 2005 or after, must also graduate in 4 consecutive years, as is mandated in the Texas B-On-Time financial aid program.

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.

EXCESS HOURS BEYOND DEGREE REQUIREMENTS

(Sec. 54.068 Tex. Ed. Code)

The Texas Legislature established that universities will not receive funding for students entering higher education in Fall 1999 or later who exceed 45 semester hours above the degree requirements. For students entering Fall 2006, this limit is 30 hours above the degree requirements. As of this printing, MSU does not charge for these excessive non-funded hours; however, some universities do. This policy is subject to change if MSU administration and Board of Regents deem it necessary.





ACADEMIC SERVICES

Admissions
Financial Aid
International Services
Registrar
Testing Center
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 catalogs. Beginning freshmen are required to apply and have all credentials on file by the application deadline. Midwestern State has an application fee of \$25.00 for new undergraduate students and a \$10.00 matriculation fee for returning students that is **non-refundable and non-transferable**. Students may apply online via Apply Texas at <https://www.applytexas.org> or at <http://www.mwsu.edu>. Beginning freshman students desiring early notification of tentative acceptance should refer to the section on Early Notification of Acceptance. Students who are not accepted for admission by the printed deadlines or who fail to apply and have all credentials on file by the printed deadlines, may have to attend late registration for enrollment. A late registration fee of \$25.00 will be assessed.

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

	<u>Priority Date</u>	<u>Regular Deadline</u>
Fall	- March 1	August 7
Spring	- November 1	December 15
Summer I	- May 1	May 15
Summer II	- June 1	June 15

An application for admission will not be processed until the applicable application and/or matriculation fees have been received by MSU Admissions.

Beginning freshmen who receive test fee waivers from their high schools to take entrance exams (ACT/SAT) may submit the forms to be used to waive application fees for admission. All application fee waivers must be individually approved by the Director of Admissions.

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. Hand-carried transcripts are not official. **Failure to list all institutions attended will be treated as falsification of records.**
3. **ACT or SAT** scores are required of all beginning freshmen under the age of 21, transfer students under 21 who have fewer than 18 earned non-developmental semester credit 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 examinations no later than during the fall semester of their high school senior year or at least four months prior to enrollment at MSU. The student should request official ACT or the College Board exam scores from all testing sessions be sent directly to MSU Admissions if they failed to do so when they registered to take the exams. High school officials can provide further information. Prospective students who seek admission will be required to submit the writing portion of the ACT and/or SAT exams to complete their application files. The ACT composite and SAT combined Critical Reading and Math scores needed to meet admission criteria exclude the writing portion. The university reporting code for MSU from ACT is 4132 and the College Board reporting code is 6408.

If it is impossible for the applicant to take the national test, Midwestern State University offers residual ACT and SAT tests prior to each semester. There is no pre-registration for these tests. A student must report to the test site with a picture

I.D., #2 pencils, and the test fee. MSU Admissions receives the results of this test within one to two days after the test date. Contact the Testing Center at <http://testing.mwsu.edu>.

Please note that residual SAT scores **cannot** be used for Texas Success Initiative exemption; and residual ACT or SAT scores **cannot** be used for athletic eligibility. Other colleges **may not** accept a residual ACT or SAT taken at MSU for their admission requirements. Students may not retake a residual ACT within sixty days, or a residual SAT within thirty days. For more information about the ACT or SAT tests, please contact MSU Admissions, Testing Center, or refer to the academic calendar for test dates. For more information about the Texas Success Initiative, contact the Office of the Registrar or see page 70.

Early Notification of Acceptance: A beginning freshman student desiring early notification of acceptance to the University may submit an application by the printed priority deadline, 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. Pending admission status may be given if all necessary information is not available to MSU Admissions. Early notification of 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. Date of graduation must be prior to the applied term reflected on the application for admission. If a high school or beginning freshman applicant enrolls in dual credit or concurrent enrollment courses at another university or college prior to enrollment at MSU, the student must inform MSU Admissions of all institutions attended. Students must meet transfer admission criteria and have a minimum cumulative grade point average of 2.0 on all collegiate transfer work to meet admission criteria. Failure to disclose this information will be treated as falsification of records. If official credentials are not received within three weeks from the first day of classes during the long term or two weeks during a summer 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. A registration hold may be placed on the students' record blocking future enrollment at MSU.

Falsification of Records: A student or applicant who knowingly falsifies or is a party to the falsifying of any official university record (including such records as transcripts, test scores, application for admission, Texas Success Initiative status, student personnel forms) will be subject to disciplinary action which may include suspension or enforced withdrawal from the University.

Re-enrolling MSU Students: A student who submits an application for admission by the printed application deadlines may be eligible for early and/or regular registration if all official credentials have been submitted to make an admission decision. An MSU student who fails to enroll in a fall or spring term must reactivate his/her admission to the university. If the student does not enroll for twelve months or more, a new application must be submitted to verify Texas residency. Applications will not be processed until the application fee has been received. Change of semester requests are not accepted. All applications and application fees are non-transferable and non-refundable.

If all credentials are not received by the printed deadlines, a delay in an admission decision may require the student to attend late registration. A late registration fee will be assessed at that time.

A former MSU student, who has attended another college or university since attending MSU, will be considered a transfer student and must meet transfer admission criteria for readmission. Students may find the application for reactivation and readmission

at www.mwsu.edu or www.applytexas.org. Failure to list all institutions attended since leaving MSU will be treated as falsification of records.

UNDERGRADUATE ADMISSION REQUIREMENTS

Midwestern State University reserves the right to change admission criteria in keeping with actions of the Texas State Legislature or the University Board of Regents. It is to the prospective student's advantage to contact MSU Admissions.

STATE OF TEXAS UNIFORM ADMISSIONS POLICY

Texas Education Code (TEC) **51.803-51.809** requires that all students meet **one** of the following college readiness standards in order to be eligible to be considered for admission at a Texas Four-Year Public Institution.

1. Successfully complete the recommended or advanced high school program or complete the portion of the program that was available to them; or
2. Successfully complete a curriculum that is equivalent in content and rigor to the recommended or advanced high school program at a high school that is exempt from offering such programs; or
3. Satisfy the College Readiness Benchmarks on the SAT or ACT assessment
 - SAT – 1500 out of 2400 (Verbal + Math + Writing)
 - ACT – 18 English, 21 Reading, 22 Mathematics, and 24 Science

AUTOMATIC ADMISSION

Students will be admitted if they graduate in the top ten 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.

UNCONDITIONAL ADMISSION – *Effective through Summer 2011*

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.

Prospective students seeking admission should have all official scores sent from ACT and/or the College Board to MSU Admissions. The writing portions of the ACT and/or SAT are required to complete their application files. The ACT composite and the SAT combined score (Critical Reading and Mathematics) below exclude the writing portion.

<u>Class Rank</u>	and	<u>SAT/ACT Scores:</u>
Top 10%		Automatic Admission by HB 588
Next 15%		870/18
2nd Quarter		950/20
3rd Quarter		1030/22
4th Quarter		1110/24

Students whose high school transcripts do not reflect ranking must submit scores of 1110/24 to be considered for unconditional admission.

Students who have attempted collegiate work through concurrent or dual credit pro-

grams while in high school, must meet beginning freshman admission requirements (regardless of hours earned) and have a cumulative grade point average of 2.0 on collegiate transfer work. Official transcripts from the college(s) attended must be submitted to MSU Admissions. ACT/SAT minimum scores are required. Failure to list all institutions will be treated as falsification of records.

All beginning freshmen, under 21 years of age at the time of registration must submit official SAT or ACT scores to MSU Admissions. Transfer students, under 21 years of age, who have 18 earned non-developmental semester credit hours must submit official SAT or ACT scores to MSU Admissions. Students 21 years of age or older will not be required to take the SAT or ACT if they graduated in the top half of their class and meet freshman admission criteria.

ADMISSION – Effective Fall 2011

For 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 ACT/SAT score requirements:

<u>Class Rank</u>	<u>SAT*/ACT* Scores:</u>
Top 10%	no minimum-HB 588 TEC 51.803
Next 40%	990/21 (<i>meets proposed benchmark scores</i>)
Third quartile	1070/23
Fourth quartile	1110/24

*MSU requires the writing section of the ACT/SAT entrance exams. For determining the sliding scale above, the combined SAT score consists of Critical Reading and Mathematics; and a composite ACT. The scores listed in our sliding scale exclude the writing score. Entrance exam scores must be received from College Board and/or ACT to access essays.

Students who do not meet the minimum Midwestern State University and the State of Texas Uniform Admission Policy requirements will go through an individual review process with the MSU Admissions Committee. To render a decision, consideration will be given to high school transcripts, rigor of curriculum, writing sample from entrance exam scores, grade point average, class rank, factors specified in section 51.805 of the State of Texas Uniform Admission Policy, and other factors deemed necessary to accomplish the institution's stated mission.

An applicant may appeal a denial for admission by the MSU Admissions Committee by writing a short essay explaining why he/she should be admitted. The exact procedure to follow will come directly from MSU Admissions. If the Admissions Committee upholds the initial rejection, the student may appeal to the Director of Admissions as the final arbiter.

Students admitted by individual review may be required to meet criteria determined by the University's Academic Council to include the following unless exempted during the individual review process:

1. Restricted to no more than 15 semester credit hours in a long semester and not more than 6 semester credit hours in any one summer session. Of the hours enrolled in the first long semester, one course must be MWSU 1233 - College Connections (the admission by individual review sections are designated in the Schedule of Classes each semester).
2. The student will continue in this status until he/she has completed a minimum of 24 semester credit hours at MSU and is in good standing as stated in the Table of Academic Standards on page 51.

Failure to comply with the Admissions Committee's recommendations could result in an enforced withdrawal.

HOME STUDY

Students who graduate from an unaccredited high school or home study program will be considered for admission on an individual basis. Official entrance exam scores must be submitted for evaluation to determine admission status. Students must submit transcripts or detail of course work completed to show proof of unit requirements.

ADVISED ADMISSIONS – *Effective through Summer 2011*

Students admitted for the first semester of college whose secondary academic record or college entrance examination scores indicate a deficiency in admission criteria will be enrolled under Advised Admissions status. This is a conditional admission status.

To be eligible for enrollment under Advised Admissions, a student must have no more than one high school unit deficiency and an ACT composite score of 18 or higher, or an SAT combined score of 870 or higher excluding the required writing portion. If the student is eligible for Advised Admissions, the Admissions Committee will base its admission decision on an evaluation of the student's high school rank, units, and ACT/SAT scores.

Students meeting the criteria for Advised Admissions status will be restricted to enroll in no more than 15 semester credit hours in a long semester and no more than 6 semester credit hours in any one summer session. Of the hours enrolled in the first long semester, one course must be MWSU 1233 – College Connections (the Advised Admissions sections are designated in the Schedule of Classes each semester). The student will continue in Advised Admissions status until he/she has completed a minimum of twenty-four semester credit hours at MSU and is in academic good standing as stated in the Table of Academic Standards on page 51.

Failure to comply with the Admissions Committee's recommendations could result in an enforced withdrawal.

GED STUDENTS

Effective January 1, 2002, the state minimum is at least an average of 450 and no score lower than 410 to meet the unit requirements that are considered on an individual basis. GED students under 21 years of age must submit official SAT or ACT scores if the unit requirements are not met. All GED students permitted to enroll must comply with Advised Admissions criteria through summer 2011 and TEC 51.803.

DENIED ADMISSION

Students who are denied admission are encouraged to attend another institution of higher education and take 18 non-developmental semester credit hours. Students must submit a new application for admission (<https://applytexas.org>), an application fee, and have a minimum 2.0 cumulative grade point average to be evaluated. For more information about institutions of higher education, please visit this website: <https://www.applytexas.org>.

ACCESS MSU (High School Concurrent Programs)

http://admissions.mwsu.edu/HS_concurrent.asp

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 Texas Success Initiative regulations.

Individual Enrollees: Under the following guidelines, the University will consider applications from high school 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. submit an application for ACCESS MSU admission by the printed deadlines;
- b. submit an official high school transcript reflecting at least a “B” average in English, mathematics, science, and social studies;
- c. have all official ACT and or SAT scores including the writing portion of the ACT/SAT sent directly from ACT and/or the College Board to MSU Admissions;
- d. not have a failing score on the exit level TAKS;
- e. have parental approval, principal and counselor recommendations; and
- f. take all sections of a TSI approved test (such as THEA or Accuplacer, see page 70) unless the student is exempt under the Texas Success Initiative requirements.

An official high school transcript, showing graduation date and rank, should be sent to MSU Admissions as soon as it is available. Official MSU 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 MSU Office of the Registrar after receiving the approval of the Coordinator of the ACCESS MSU/High School Concurrent program in MSU Admissions.

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: MSU students seeking concurrent enrollment at other institutions will not be allowed without prior written permission of the Provost or a designee. The “Request for Concurrent Enrollment” form is available in the Office of the Registrar and online at <http://registrar.mwsu.edu/concurrent.asp>.

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 criteria and certify such eligibility. In addition, students must meet Texas Success Initiative requirements. Approval for admission is granted on an individual basis. Students who have been denied regular

admission to the University may not apply for this status. 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 semester credit 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 transcript and SAT/ACT 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. Information should be sent to the Director of Admissions. Students in this category may be required to enroll in certain courses during the first semester of enrollment. Official ACT/SAT scores must be submitted to the MSU Admissions from ACT and/or College Board.

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

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

Applicants who meet the current grade point listed in the University's Table of Aca-

demetic Standards may be admitted under Advised Admissions program through summer 2011. (See Table of Academic Standards on page 51.)

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 college or university, as verified by the transcript, that block of courses will fulfill Midwestern State's academic foundations and core curriculum. A student who has not completed the core curriculum elsewhere will be required to complete Midwestern State's core curriculum.

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. A student who has been suspended at prior institutions will maintain the suspension(s) in his/her 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. (See Table of Academic Standards on page 51.)

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

Grades of D will be accepted in transfer from regionally accredited colleges. Evaluation of course credit earned at other institutions by MSU Admissions does not decree approval of the credit for use toward degree requirements. The academic dean of the college offering the program in which the student is enrolled has authority for determining which courses will be applied toward the student's major or minor. It is the student's responsibility to be aware of the individual program's degree requirements. A student transferring a D in a course should check with the individual department to see if the course will be accepted to meet the degree requirement.

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 earn 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 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 in the major and a 2.0 in the minor. A student must have a C (2.0) major, minor, and cumulative grade point average based on Midwestern State University work, as well as transfer work accepted, to graduate. A student who presented a grade point deficiency based on transfer work accepted must have sufficient grade points earned at MSU to remove the deficiency in the major, minor, or cumulative average. Some programs require more than a 2.0 grade point average on major and minor hours. The student should consult with the academic advisor about specific program requirements.

No more than 69 semester credit 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. To facilitate the transfer of courses, Midwestern State University participates with other Texas schools in designating the common course number. Refer to page 378 for specific course listings or the website: <http://www.tccns.org/>.

DENIED ADMISSION

Students who are denied admission are encouraged to attend another institution of higher education, complete 12 non-developmental semester credit hours, and be eligible to enroll at all institutions attended. Students must submit a new application for admission (<https://www.applytexas.org>), an application fee, and have a minimum 2.0 cumulative grade point average to be evaluated. For more information about institutions of higher education, please visit this website: <https://www.applytexas.org>.

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. University housing includes traditional-style residence halls, suites, apartments, and family housing (apartments or homes). Contact the Office of Housing and Residence Life at 940-397-4217 or <http://housing.mwsu.edu>.

INTERNATIONAL STUDENTS

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.

1. An application for admission by the following deadlines:

Fall	-	April 1
Spring	-	August 1
Summer	-	January 1
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 the Office of International Services. (To be acceptable, the transcripts must reflect above average scholastic capabilities.)
4. Official Test of English as a Foreign Language (TOEFL) scores. Applicants must score at least 550 on the paper-based TOEFL exam, at least 213 on the computer-based exam, or score 79 on the Internet-based exam (iBT) to meet the university requirement for unconditional admission. Students taking TOEFL iBT will be required to score a minimum total test score of 79, with preferred scores on each of the sections of the test as follows:

Writing	-	20
Speaking	-	20
Reading	-	19
Listening	-	20

TOEFL may not be required if English is the native language. A local English proficiency examination may be required.

5. An official bank financial statement accompanied by either a letter of sponsorship 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 year. The availability of funds from the same, or equally reliable source, must be assured for the duration of the program of study.
6. Health insurance, including repatriation and medical evacuation benefits must be purchased for the duration of studies prior to initial enrollment. Effective January 1, 2010, HB 4189 requires all new students residing in university housing to receive a vaccination against bacterial meningitis at least ten (10) days prior to taking residence. As such, proof of vaccination or eligibility for an exemption is required as part of the housing application. More information can be found at <http://housing.mwsu.edu/pdf/Form-257-Bacterial-Meningitis.pdf>.

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 contact the Office of International Services to determine eligibility.

International students on F-1 visas may not be enrolled primarily in internet courses in any given semester. Please consult an international advisor well in advance of each semester to insure that you are compliant.

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 non-traditional 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.

SUMMER GUESTS

Students who are attending another undergraduate institution and desire to enroll for summer sessions only may apply as summer guests/transient students. Students must apply by the printed deadlines and submit application fees and a Transfer Agreement Form to MSU Admissions through <https://www.applytexas.org>. Official transcripts from all institutions attended verifying enrollment and the minimum 2.0 grade point average requirement are also required.

Students in this status must also comply with Texas Success Initiative regulations. For more information regarding the Texas Success Initiative, students should see page 70, visit the TSI website at <http://registrar.mwsu.edu/success.asp>, or contact the Office of the Registrar.

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

SCHOLARSHIPS

University scholarships are available in recognition of a student's academic achievement; special abilities as indicated by the applicant's academic transcript, entrance exam scores, participation in extracurricular activities, and other criteria as defined by specific scholarship programs. Scholarship information is available at <http://www.mwsu.edu/scholarships>. The deadline for scholarships offered through MSU Admissions is **March 1**.

Students should seek information about scholarships, applications, and deadlines through the academic departments, University Donor Services, and MSU Admissions.

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.

Competitive tuition waivers may be awarded to non-residents of Texas if they receive a university scholarship of \$1,000 or more in one academic year. An academic year begins with the fall term and ends the second summer session.

According to Senate Bill 1325, TEC 51.969, a person is not eligible to receive a scholarship originating from and administered by an institution of higher education or university system if the person is related to a current member of the governing board of the institution.

DETERMINATION OF RESIDENCE FOR TUITION PURPOSES

The Texas Higher Education Coordinating Board has created required core questions to determine residency for tuition purposes on the application for admission. Answers to the questions will be reviewed to determine each student's proper residency classification for tuition purposes. If answers affirm the student's claim to residency, the core questions are sufficient for documenting the student's classification. However, if the student's answers to the core questions are inconsistent, the institution must acquire and maintain appropriate documents to support the student's classification as of the census date of the relevant term.

Documentation may be requested by the institution in order to resolve issues raised by responses to the Core Residency Questions. The listed documents may be used to establish that the person is domiciled in Texas and has maintained a residence in Texas continuously for 12 months prior to the census date. **Documentation must be on file no later than the official enrollment date to be valid for any given semester or summer term and subsequent enrollments. Failure to provide the information to MSU Admissions may result in a delay of reclassification.**

Other information regarding definition and rules concerning residency may be found at the Texas Higher Education Coordinating Board website: <http://www.theccb.state.tx.us>

Residence reclassification requests or questions concerning eligibility for Texas residency status should be directed to MSU Admissions. Reclassification requests must be initiated by the student as residence status changes are not made automatically.

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. Each student is responsible for knowing whether he/she is eligible to continue or enroll at the University. An ineligible student who nevertheless registers at the University will be withdrawn. The student shall not receive special consideration on the plea of lack of knowledge of academic status.

The following minimum academic standards have been established to assure that students make reasonable satisfactory progress, which will result in eligibility for graduation.

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. 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

Students on probation or suspension may have restrictions on their registration status. Contact the MSU Admissions Office for questions.

ACADEMIC PROBATION

Academic 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 academic probation.

Beginning and transfer freshman students who are on academic probation after their first semester at MSU are required to participate in the First Year Probation Program (see page 101).

A student on academic 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 ACADEMIC PROBATION

A student on academic 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 academic probation.

ACADEMIC SUSPENSION AND DISMISSAL

A student on academic 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 academic probation at MSU.

LIMITS ON READMISSION

The Academic Readmission Committee will review petitions for early reinstatement from students on first and second suspension only. A student will only be allowed one appeal during his/her academic career at MSU.

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.
3. 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 beginning with the end of the semester that the suspension was assessed.

Third Suspension results in academic dismissal, which is for a period of two calendar years beginning with the end of the semester that the suspension was assessed. The Academic Readmission Committee will not review a petition for reinstatement of a student in this category.

Permanent Academic Dismissal

Beginning with the Fall 2006 term, the MSU Board of Regents approved the permanent academic dismissal status. Students who are on the third academic dismissal from Midwestern State University will be assessed a permanent dismissal status. Students on permanent dismissal can petition the Academic Readmission Committee one time and be reinstated only under extraordinary circumstances. If reinstatement is denied by the committee, the student may appeal the committee's decision to the Vice President for Institutional Effectiveness. The status will be reflected on the student's MSU transcript.

NOTE: It is strongly recommended that a student re-enrolling 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 re-enroll on academic probation. The student must submit a reactivation form or application for readmission and applicable fees adhering to the printed deadlines. If, at the end of the semester 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. A student who has been on suspension at previous schools will maintain the suspension in his/her 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. MWSU 1003 Skills for Success unless the student has already successfully completed the course.

MSU Admissions notifies the Counseling Center of students who have been allowed to return.

The policy regarding non-compliance of students participating in the First Year Probation Program or students who are readmitted after Academic Suspension is as follows:

1. Students who are in non-compliance with requirements of the First Year Probation Program waive the option of appeal to the Academic Readmission Committee for early reinstatement in the event they are suspended from the University. (see page 101)
2. Students who have re-entered the University after Academic Suspension and are in non-compliance with University requirements waive the option of appeal to the Academic Readmission Committee for early reinstatement in the event they are again suspended from the University.

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 Readmissions Committee. The petition should be submitted at least **three weeks prior to registration** for the semester to which readmission is sought. (A student may only petition for early reinstatement one time.)

The Academic Readmissions Committee only meets prior to each regular registration period. The committee does not meet during late registration. Students should check the semester schedule of classes for specific meeting dates or contact MSU Admissions.

CREDIT BY EXAMINATION

MSU will accept up to 60 semester credit hours of credit by examination, limiting CLEP, DANTES, and Proficiency Exams to a maximum of 30 semester credit hours. Contact the Testing Center at <http://testing.mwsu.edu>. MSU Admissions evaluates CLEP, DANTES, AP, and IB credit as transfer credit. MSU Proficiency Exams will be posted to the student's academic record upon completion of nine semester credit hours at MSU.

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	Semester Credit Hours	Minimum Score Required for Credit	Equivalent MSU course	TX Common Course #
BUSINESS				
Infor. Systems & Comp. App	3	50	MIS 2003	BCIS 1305
Introduction to Management	3	50	MGMT 3013	N/A
Introductory Accounting	6	50	ACCT 2143, 2243	ACCT 2301, 2302
Introductory Business Law	3	50	LSBA 3233	N/A
Principles of Marketing	3	50	MKTG 3723	N/A
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
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	62	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	63	SPAN 2133, 2233	SPAN 2311, 2312

MATHEMATICS

College Algebra	3	54*	MATH 1233	MATH 1314
Trigonometry	3	58**	MATH 1433	MATH 1316
Precalculus	3	61	MATH 1534	MATH 2312
Calculus w/Elem. Functions	4	61***	MATH 1634	MATH 2413

*** Scores of 50-60 will waive the prerequisite for Calculus II

SCIENCES*

General Biology	8	58	BIOL 1144, 1544	BIOL 1413, 1411
General Chemistry	8	50	CHEM 1141, 1241 CHEM 1143, 1243	CHEM 1111, 1112 CHEM 1311, 1312

* Majors in the health sciences should check with their advisors 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 Center.

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. Midwestern State University reserves the right to change policy in keeping with actions of the Texas State Legislature or the University Board of Regents. It is to the prospective student's advantage to contact MSU Admissions. The following grades may be awarded for the test scores: 5 = A, 4 = B, and 3 = Credit. If the student takes both English Composition & Literature and English Language and Composition and scores at least a 4 on both exams, the student will receive three hours for ENGL 1113, Rhetoric and Composition and three hours of sophomore literature elective credit. The course and grade are posted to the student's permanent record and designated as Advanced Placement credit.

Please note that some subjects require a higher score to receive college credit. Those subjects are noted by an asterisk (*) and scores of 4 or 5 are required.

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	Semester Credit Hours	Equivalent MSU course	Texas Common Course Number
American History	6	HIST 1133, 1233	HIST 1301, 1302
Art: Drawing*	6	ART 1313, 1323	ART 1316, 1317
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 – Macro	3	ECON 2333	ECON 2301
Economics – Micro	3	ECON 2433	ECON 2302
English Comp. & Literature*	3	ENGL 1113	ENGL 1301
English Language & Comp.*	3	ENGL 1113	ENGL 1301
Environmental Science*	4	ENSC 1114	ENVR 1401
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	PHYS 2425
Physics C: Electricity & Magnetism	4	PHYS 2644	PHYS 2426
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	GOVT 2301
World History	6	HIST 1333, 1433	HIST 2311, 2312

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

To request Advanced 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's prospective students who earn the International Baccalaureate (IB) diploma are offered unconditional admission status to MSU. Students under 21 years of age must submit official SAT or ACT scores with the required writing portion. Scholarships will be offered to diploma students through the University scholarship program if MSU Admissions is notified by March 1, and students enter MSU directly from high school. It is the responsibility of the prospective IB student to notify MSU Admissions. Students from high schools that offer IB courses but not the diploma may receive credit according to the same criteria. An official IB transcript must be sent to MSU Admissions. All IB students must show proof of meeting the Texas Success Initiative requirements prior to their initial enrollment at Midwestern State and meet published university application deadlines.

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 when a score of 5 or higher is obtained. A score of 4 or higher on any Higher or Standard level exams will be awarded to IB diploma candidates only. 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.

*** Any new student receiving the IB diploma with a score of at least a 4 on all subjects will be granted a minimum of 24 semester credit hours.**

Higher Level Exams: Grades accepted: 7 or 6 = A, 5 = B, (4 = credit for diploma candidates only*)

Higher Level Exam	Semester 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 1033	N/A
Economics	6	ECON 3323, 3333	N/A
English	6	ENGL 1113, 1123	ENGL 1301, 1302
French	14	FREN 1134, 1234, 2133, 2233	FREN 1411, 1412, 2311, 2312
Geography	3	GEOG 3003	N/A
German	14	GERM 1134, 1234, 2133, 2233	GERM 1411, 1412, 2311, 2312
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	14	SPAN 1134, 1234, 2133, 2233	SPAN 1411, 1412, 2311, 2312
Theatre	3	THEA 1503	DRAM 1310

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

Standard Level Exams: Grades accepted: 7 or 6 = A, 5 = B, (4 = credit for diploma candidates only*)

Standard Level Exam	Semester 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 = A, (5 or 4 = credit for diploma candidates only*)			
Biology	8	BIOL 1144, 1544	BIOL 1413, 1411
Chemistry	8	CHEM 1141, 1143, 1241, 1243	CHEM 1111, 1311, 1112, 1312
Computer Science	3	CMPS 1033	N/A
Mathematics	7	MATH 1534, 1634	MATH 2412, 2413
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, (4 = credit for diploma candidates only*)

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, (5 or 4 = credit for diploma candidates only*)

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

**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 proficiency examinations are used in determining the grade point average for the semester in which the credit is posted, 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. For continuing students who take a proficiency test, the grade earned is posted to the semester in which the test was taken. If the test was taken during the summer, the student may request that the grade be posted to the preceding spring semester, as long as the student was enrolled during that semester. The request to post credit to the preceding spring semester must be made prior to the end of the summer term in which the test was taken.

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 Center.

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 1 semester hour of physical activity credit; for one year or more of continuous active service, 2 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 page 58 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 267.) 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 catalog.

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 a regionally 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 semester hours except in the BAAS program, manufacturing engineering technology, mechanical engineering, criminal justice, and the health sciences.

Credit for Experiential Learning. A maximum of six semester 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 advisor a narrative describing the length of work and other appropriate details. The BAAS advisor 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>.

FINANCIAL AID

The Financial Aid Office (FAO) is located in the Hardin Administration Building, South Wing, Room 102, or call (940) 397-4214 or email financial-aid@mwsu.edu. Financial aid consists of grants, scholarships, long-term and short-term loans, and part-time employment. Aid is awarded to cover existing differences between the cost of attending MSU and the resources available to the student/spouse or the student/parents. Each aid application is handled on an individual basis to determine a suitable award which may be one type of aid or a combination ("package") of aid.

Financial 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.*

For FINANCIAL AID PURPOSES, a student's enrollment status is defined below and financial aid awards will be determined based on this enrollment status; failure to enroll in the enrollment status indicated on the financial aid application (FAFSA) may result in

a revision of your awards. **NOTE:** This financial aid enrollment status may differ from the academic enrollment status (refer to page 79).

Undergraduate, 2nd Baccalaureate

or Teacher Certification:

Full-time = 12 hours or more
 $\frac{3}{4}$ time = 9 - 11 hours
 $\frac{1}{2}$ time = 6 - 8 hours
 Less than $\frac{1}{2}$ time = 1 - 5 hours

Graduate:

Full-time = 6 hours or more
 $\frac{3}{4}$ time = 4 - 5 hours
 $\frac{1}{2}$ time = 3 hours
 Less than $\frac{1}{2}$ -time = not applicable

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

March 1	-	Summer
March 1	-	Fall and Spring
March 1	-	Fall only
October 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 be completed online at <http://www.fafsa.ed.gov> and submitted electronically. The student may be required to provide additional forms which may be needed to determine financial aid eligibility for available funds. After the application information is confirmed and eligibility determined, the student will receive notification of awards which will detail the award(s) the student may be eligible to receive for the upcoming award year. MSU's award year consists of the Fall semester, Spring semester, and summer terms combined, respectively. MSU students can follow the progress of their financial aid application via MSU's WebWorld at <http://registrar.mwsu.edu/prewebworld> and click on "Enter Secure Area". The student must enter the Mustangs I.D. Number, which is provided to the student by MSU, and Personal Identification Number (PIN) for access to personal financial aid information. Once this information has been provided, click on "Financial Aid" to begin the search. (NOTE: a student's PIN will be the birthdate (mmddyy), but the student will be required to change it before proceeding.) Please contact the MSU-FAO should 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, Academic Competitiveness Grant (ACG), National SMART Grant, Federal Supplemental Educational Opportunity Grant, TEACH Grant, Federal Perkins Loan, Federal Direct Loans (Subsidized and/or Unsubsidized), and Federal Direct PLUS Loans (Parent or Graduate); 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 more than 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. Additional details regarding these refund policies are available at <http://finaid.mwsu.edu>.

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 31.

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 Direct Unsubsidized Loan
2. Federal Direct Subsidized Loan
3. Federal Perkins Loan
4. Federal Direct PLUS Loan (Graduate Student)
5. Federal Direct PLUS Loan (Parent)
6. Federal Pell Grant
7. Academic Competitiveness Grant
8. National SMART Grant
9. Federal Supplemental Educational Opportunity Grant
10. TEACH Grant
11. Other Title IV Aid
12. 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, Room 104. Following an exit interview with the Dean's Office, the student will be issued a copy of the Official Withdrawal Request form and the Dean's Office will forward a copy of the withdrawal form to the necessary University Offices (Business Office, Financial Aid Office, and Registrar's Office). If possible, a student who has a prior student loan(s) will be required to visit with the Financial Aid Office to complete an Exit Interview session. A student who is not able to report to campus may have the withdrawal request processed via phone or email but still will be required to complete an Exit Interview session with the Financial Aid Office. Upon receipt of the withdrawal form in the Financial Aid Office, the appropriate federal and/or state refund calculation will be performed to determine if the student must repay all or part of the aid awarded, as detailed below. Refer to the information above 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: The Higher Education Act of 1965, as amended, mandates institutions of higher education to establish policies to monitor the academic progress of students who apply for and/or receive federal financial aid. Midwestern State University (MSU) makes these minimum qualitative and quantitative standards applicable to all federal, state, and institutional financial aid programs for the purpose of maintaining a consistent policy for all financial aid applicants. These minimum standards include:

1. Cumulative Grade Point Average (GPA) must 1.70 for the Undergraduate program (0-29 earned hours) and 2.00 for the Undergraduate program (30+ hours) and 2.00 for the 2nd Baccalaureate program.
2. Maximum Time Frame for Degree/Certificate Completion is no more than 150% of the number of credit hours required for graduation in the program of study, as published in the University catalog.
3. Successful Credit Hour Completion Rate must be 67% of all attempted course work.

Satisfactory progress requirements are monitored for ALL enrollment periods, including those for which financial aid was not received. A student's financial aid eligibility will be determined accordance with the number of credit hours that pertain to the current degree program. 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 feels the decision of the Director to be inappropriate, the student may request to have the appeal presented before the Financial Aid Advisory Appeals Committee (FAAAC). The student may obtain information regarding the FAAAC from the MSU Financial Aid Office.

A copy of the complete and current Satisfactory Academic Progress Rules can be obtained at <http://finaid.mwsu.edu>. These rules are subject to change in accordance with federal, state and institutional policy.

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 Academic Competitiveness Grant: Need must be established by filing the FAFSA. Awarded only to undergraduate students who are Pell Grant eligible; enrolled at least half-time in their first or second academic year of study; and, have graduated from a rigorous high school program of study.

Federal National Science and Mathematics Access to Retain Talent (SMART): Need must be established by filing the FAFSA. Awarded only to undergraduate students who are Pell Grant eligible; enrolled at least half-time in their third or fourth academic year of study; major in mathematics, science, technology, engineering or critical foreign languages; and, have at least a 3.0 cumulative grade point average.

Teacher Education Assistance for College and Higher Education (TEACH) Grant: Not need-based but FAFSA application is required; awarded to eligible student majoring in designated MSU Education programs. Student must commit to a 4-year service obligation with 8 years of program completion and be a full-time teacher in a high-need field at a low-income school; failure to complete the service obligation will require repayment of the TEACH Grant under the auspices of the Federal Direct Unsubsidized Loan Program.

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.

Mustangs Guarantee Program: *Need must be established by filing the FAFSA.* Available to beginning freshmen students who are Texas residents, Pell Grant eligible, and whose family's combined annual Adjusted Gross Income (AGI) is \$50,000 or less. The Mustangs Guarantee Program will cover the remaining balance of any tuition and mandatory fees (for up to 15 credit hours each semester for up to four academic years – summer terms not included) that are NOT covered by other grants, scholarships (all sources), exemptions, benefits, and/or waiver programs received by the student. Additional information is available at <http://finaid.mwsu.edu>.

Texas Public Educational Grant (TPEG) for Resident and Non-Resident: *Need must be established by filing the FAFSA.* Available to eligible students who have need and meet other eligibility requirements.

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.

Top 10% Scholarship: *Need must be established by filing the FAFSA.* Provided by the Texas Higher Education Coordinating Board, the Top 10% Scholarship encourages students who graduate in the top 10 percent of their high school class to attend a Texas public institution of higher education. Qualifying students who submit the Free Application for Federal Student Aid (FAFSA) or Texas Application for State Financial Aid (TASFA) by March 1 and have financial need are entitled to receive a \$2,000 scholarship if they enroll full-time in a Texas public college or university. Students who submit their FAFSA after March 1 will be awarded on a first-come, first-served basis until available funds have been spent. Additional details are available at <http://finaid.mwsu.edu>.

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. These grants include:

- * SLEAP/LEAP Grant
- * FDR Grant/Scholarship
- * Boren Grant/Scholarship
- * Student Property Deposit Grant
- * Texas Coordinating Board Nursing Scholarships
- * 5th Year Accounting Grant/Scholarship
- * DAR Grant/Scholarship
- * MSU Gold Scholarships

LOANS

(require repayment)

Federal Direct Subsidized Loan: *Need must be established by filing the FAFSA* prior to processing the loan's Master Promissory Note (MPN). The loan funds are obtained and disbursed through the FAO in cooperation with the federal government which serves as the 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 Direct Unsubsidized Loan: *Not need-based, but eligibility must be determined by filing the FAFSA* prior to processing the loan's Master Promissory Note

(MPN). The loan funds are obtained and disbursed through the FAO in cooperation with the federal government which serves as the lending institution. Repayment of interest is encouraged as it accrues while the student is enrolled. Repayment of 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 Direct PLUS Loan: *Not need based, but eligibility must be determined by filing the FAFSA* prior to processing the loan's Master Promissory Note (MPN). Available to the parent of an enrolled, dependent student; graduate and professional students are eligible to apply as well. The loan funds are obtained and disbursed through the FAO in cooperation with the federal government which serves as the lending institution. Repayment of interest begins within 60 days from the date the loan funds are fully disbursed each year; principal repayment can be deferred under certain conditions.

TEXAS B-On-Time Loan: *Need must be established by filing the FAFSA*. Provides eligible Texas students with no-interest loans; if the student meets specified goals, the entire loan can be forgiven upon graduation. Student must be a Texas resident, enrolled full-time and has graduated under the recommended high school program from a public or accredited high school in Texas OR have graduated in the 2002-03 academic year or later from a high school operated by the U.S. Department of Defense OR have earned an associate's degree from an eligible institution no earlier than May 1, 2005.

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 Panhandle Plains Higher Education Authority (PPHEA) in conjunction with the MSU-FAO.

College Access Loan (CAL): *Not need based, but eligibility must be determined by filing the FAFSA*. 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 loan which is administered by the MSU Business Office and allows the student to defer tuition and fee expenses only (excludes on-campus room and board expenses and the Student Property Deposit fee). A \$22.50 loan origination fee and a 1% service charge are added to this loan. Repayment is due as scheduled during the semester or summer term(s) in which it is borrowed, or upon official withdrawal from the university. After completing the ETFL Contract ONLINE (available at <http://www.mwsu.edu/busoffice/paymentplans.asp>), the student must print and sign a promissory note **which must be delivered to MSU Business Office** for additional processing.

Installment Plan: A short-term payment plan which is administered by the MSU Business Office and can be used to defer payment of tuition and fees and/or on-campus room and board. Repayment is due as scheduled during the summer terms or semester in which it is borrowed, or upon official withdrawal from the university. A \$22.50 service charge is added to this payment. The Installment Plan contract is available at the MSU Business Office, or accessed and submitted online at <http://www.mwsu.edu/busoffice/paymentplans.asp>. Students who do not meet the required first payment by the twelfth class day of the regular semester or fourth class day of the Summer semester will be invalidated

from their classes. Students invalidated for non-payment and who are registered in their classes will be assessed a \$25.00 reinstatement fee and a \$25.00 late registration fee.

Book Loan Vouchers: These vouchers are available to students whose financial aid refunds are not sufficient to cover the cost of books – OR – for students who are not receiving financial aid but need additional assistance with purchasing books. Repayment is due as scheduled during the semester or summer term(s) in which it is borrowed, or upon official withdrawal from the university. Book Loan Vouchers must be submitted online (available at <http://finaid.mwsu.edu/bookvoucher.asp>) and a copy of the completed form brought to the MSU Financial Aid Office (Hardin South, Room 102) for additional processing. Faxed copies will ONLY be accepted from Distance Education students. (NOTE: DISTANCE EDUCATION STUDENTS who select Financial Aid as the payment option for textbooks but whose refunds are not sufficient to cover the cost of textbooks and , thereby, want to use the Book Loan Voucher, MUST submit the Book Loan Voucher online (available at <http://finaid.mwsu.edu/bookvoucher.asp>) to secure textbook purchases. Remember to fax the completed Book Loan Voucher form to the MSU Financial Aid Office at 940-397-4852 at which time the completed form will be forwarded to the MSU Bookstore to complete textbook purchases. Students will receive email confirmation from the MSU Bookstore that the textbooks have been processed and are ready to ship or ready for pick up.)

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. Additional information regarding work-study jobs is available at <http://finaid.mwsu.edu>.

Off-Campus/On-Campus Employment: Not need based. Interested students should contact the MSU Career Management Center at 940:397-4215, located in the Clark Student Center, Room 108. Additionally, the Career Management Center offers the Mustangs HIRE job announcement system (<http://www.mwsu.edu/career/mustangshire.asp>).

ACADEMIC AND/OR ATHLETIC SCHOLARSHIPS

Robert C. Byrd Scholarship: Administered by the Texas Higher Education Coordinating Board. Interested persons must contact the Coordinating Board (www.theccb.state.tx.us) to obtain an application; selections are made by the Coordinating Board based on the student's academic record and anticipated success in college.

Academic Scholarships: University scholarships are available in recognition of a student's academic achievement, special abilities as indicated by the applicant's academic transcript, entrance exam scores, participation in extracurricular activities, and other criteria as defined by specific scholarship programs. Students should seek information about scholarship applications and deadline dates through the academic departments at <http://academics.mwsu.edu/>, MSU Admissions Office at <http://admissions.mwsu.edu> and University Donor Services at <http://mwsu.edu/donations/scholarship-apps.asp>. 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. Scholarships offered through the MSU Admissions Office have a March 1 application deadline.

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 at <http://msumustangs.com>.

INTERNATIONAL SERVICES

The Office of International Services is responsible for recruiting, processing, advising, and accounting for all international students on the MSU campus. The international student profile at MSU has both grown and diversified significantly over the years.

Midwestern State University actively recruits qualified students from all over the world. MSU has special outreach programs in the Caribbean, Africa, and India. The International Services staff has worldwide expertise particularly on the education systems of the British Commonwealth, including West Africa.

MSU takes pride in the personal attention accorded to every international applicant. The staff corresponds with students by telephone and e-mail, and guides them through the application process. Once a student has been admitted, International Services will assist them with the visa process. Prior to arrival, students are assisted with housing and other arrangements. The staff will also meet students at Wichita Falls Municipal Airport and assist them in making a smooth transition to student life.

Our international student body is extremely successful academically. The graduation and graduate school placement rates are exemplary. The Office of International Services works to insure that all of our students have the opportunity to achieve optimum success.

See page 48 for information on International Student Admission. Please visit our website at <http://students.mwsu.edu/international>.



OFFICE OF THE REGISTRAR

TEXAS SUCCESS INITIATIVE

The Texas Success Initiative (TSI) is a program which was developed by the 78th Texas State Legislature under which all undergraduate students, other than those exempted*, who enter Texas public institutions of higher education must be tested for reading, writing, and mathematics skills prior to enrolling in any college-level course.

The approved TSI assessment tests are: Accuplacer, Asset, Compass, or THEA (Texas Higher Education Assessment). MSU offers the Accuplacer and THEA tests. Students who take the Accuplacer, Asset, or Compass at another institution must have the official scores sent to MSU directly by the issuing institution. An institution may not use performance on the test as a condition of admission into the institution.

***Exemptions**

The following groups are exempt from meeting TSI requirements.

1. Students with ACT composite+ score of 23 or higher, with individual math and/or English scores of no less than 19. (Scores must be no more than 5 years old.) (Meeting the composite and English scores will exempt students from both the reading and writing TSI requirements.) Students must take an approved TSI test for sections from which they are not exempt.
2. Students with SAT combined+ score of 1070 or higher, with individual math and/or reading (formerly verbal section) scores of no less than 500. (Scores must be no more than 5 years old.) Residual SAT cannot be used for exemption. (Meeting the combined and reading scores will exempt students from both the reading and writing TSI requirements.) Students must take an approved TSI test for sections from which they are not exempt.
3. Students with 11th grade exit-level TAKS scores of 2200 or higher on math and/or 2200 or higher on English Language Arts with a written composition rating of at least 3. (Scores must be no more than 3 years old.) Students must take an approved TSI test for sections from which they are not exempt. (Note: The English Language Arts and written composition sections must be met together. If neither or only one area is met, students must take both the reading and writing sections of a TSI test.)
4. Students who have an associate or bachelor's degree from a regionally accredited college or university. ++
5. Students who are in the following military categories: a) active duty members of the Armed Forces of the United States; b) actively serving in the Texas National Guard; c) members of a Reserve component of the Armed Forces of the United States for at least 3 years preceding enrollment; and d) students who on or after August 1, 1990, were honorably discharged, retired, or released from active duty in the Armed Forces of the United States, Texas National Guard, or Reserve component. ++
6. Students transferring to MSU from regionally accredited private or out-of-state institutions with specified courses completed with grades of "C" or better may use the course(s) to clear the respective section(s) of the Texas Success Initiative. For more information regarding these courses, students should contact the TSI Coordinator in the Office of the Registrar or check the TSI website at <http://registrar.mwsu.edu/success.asp>.
7. Students previously considered TSI exempt or complete from another Texas public institution will not have to meet additional TSI requirements; however, all course prerequisites must be met.

- + The writing components of the ACT/SAT tests are not currently used in determining TSI exemptions.
- ++ Students who are in these TSI exempt groups may be required to take the MSU Placement Test if transcript(s) are not on file indicating credit for college-level English and mathematics, or certain test scores are not on file which meet prerequisites for reading, writing, and mathematics.

NOTE: Transfer students 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 TSI requirement. If such proof is not provided prior to enrollment, the student must be tested.

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 TSI 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 the required developmental course(s) with a grade of "C" or better; or the student passes that section of a TSI test. State policy does not allow developmental courses to be considered as credit toward completion of degree requirements.

Temporary Exemptions and Other Special Testing Criteria

1. Students who are non-degree seeking may enroll on a temporary basis without meeting exemptions or being assessed. However, students are responsible for meeting all prerequisites of courses for which they enroll. Students in this category would include: a) Summer Guests - students who were at another college in the spring, and plan on returning there in the fall; and b) External - students who are not seeking a degree and may just need one or more courses for professional improvement or to transfer to another college to complete a degree elsewhere. External Students are limited to 9 hours of course work, with a maximum of 2 classes in a semester, 3 classes total.
2. Students who are residing out-of-state and are taking distance education internet courses only may temporarily delay their assessment. Many will eventually meet the transfer exemption requirements from an out-of-state college by the time they graduate. A hold remains on these students and they must check with the Registrar's Office each term they enroll for monitoring of their progress. If they reach their ninetieth credit hour without completing TSI requirements, they will be required to take an assessment test and enroll accordingly.
3. High school concurrent students who do not meet an exemption are required to take a TSI test prior to enrolling. Students not achieving minimum passing standards are not allowed to enroll in college courses related to areas of the assessment not passed. In any case, if a student fails the reading section of the test, concurrent enrollment will not be allowed. While concurrently enrolled in high school, students will not be required to take developmental education in areas not passed.

Note: State policy allows high school juniors seeking dual credit enrollment who have not yet taken, or for whom 11th grade exit level TAKS test scores have not been received, to be temporarily allowed to enroll concurrently if they meet the 10th grade TAKS college-readiness score levels. This temporary waiver using the 10th grade TAKS is only for high school students seeking dual credit enrollment. Dual credit enrollment is taking college-level courses and receiving simultaneous academic credit for the courses from both MSU and the high school. For more information, contact the TSI Coordinator in the Office of the Registrar.

NOTE: The Texas Success Initiative is subject to change due to legislative action, actions of the Texas Higher Education Coordinating Board, and the MSU Board of Regents. Contact the TSI 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 advisor.

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 web to make a change. Please refer to the class schedule for available dates. After classes begin, if the web system is not available, 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, advisor, and Financial Aid Office, the completed form is submitted to the Office of the Registrar. Additionally, athletes must obtain the signature of the designated athletic advisor. A student may drop a course during the first 8 weeks of a long semester, first 6 weeks of a 10 week summer term, or through the 11th class day of a 4 or 5 week summer term consisting of 20 days 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 exclusively in distance education courses only may process an online drop at: <https://secure.mwsu.edu/registrar/dropform>. All other students must follow drop slip procedures as outlined above.

State Limitation on Dropped Courses. Under section 51.907 of the Texas Education Code, "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education." This statute applies to students who enroll in a public institution of higher education as first-time freshmen in fall 2007 or later. Any course that a student drops is counted toward the six-course limit if: "(1) the student was able to drop the course without receiving a grade or incurring an academic penalty; (2) the student's transcript indicates or will indicate that the student was enrolled in the course; and (3) the student is not dropping the course in order to withdraw from the institution." Some exemptions for good cause could allow a student to drop a course without having it counted toward this limit, but it is the responsibility of the student to establish that good cause.

Exemptions include:

1. Severe illness or debilitating condition preventing completion of course
2. Responsible for caring for a sick, injured or needy person
3. Death of close family member
4. Active duty service in US Armed Forces or National Guard, or that of an immediate family member
5. Change in student's work schedule beyond control of student
6. Other good cause determined by the institution

Official Drop Date. No drop is official until the form is submitted to the Office of the Registrar. The date the drop is received in 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 8th week of a long semester, the 6th week of a 10 week summer term, or the 11th class day of a 4 or 5 week summer term consisting of 20 days. 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 by the deadline 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 by the deadline. 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 or other university policies 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

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 8th week of a long semester, 6th week of a 10 week summer term, or after the 11th class day of a 4 or 5 week summer term consisting of 20 days.	
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 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 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 8 weeks of a long semester, first 6 weeks of a 10 week summer term, or through the 11th class day of a 4 or 5 week summer term consisting of 20 days. (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 8 weeks of a long semester, first 6 weeks of a 10 week summer term, or through the 11th class day of a 4 or 5 week summer term consisting of 20 days. (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 at MSU. 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 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 may be viewed at the MSU WebWorld site if student has current PIN.

Change of Address. The student must report any changes in name or mailing address to the Office of the Registrar, Business Office, Financial Aid Office, MSU Admissions, and the Library. Student employees should also notify the Payroll Office. International students must also notify the Office of International Services of *any* address change. Students may also change their addresses online using their PIN at <http://registrar.mwsu.edu/forms/address-chg.asp>.

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 the Provost 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 Provost. These materials will constitute the student's formal written appeal and will then be forwarded by the Provost 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 Provost of this decision in writing. The Provost 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 Provost 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 Provost should communicate this by letter to the appellant with a copy to the faculty member. If the decision rendered recommends a grade change, the Provost 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 Provost 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 Provost, the committee may reconsider its findings and recommendations. However, once the committee's decision has been accepted by the Provost 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.

Advisor. The member of the faculty who guides the student in the selection of courses and in solving problems. An advisor 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 advisor.

The advisor will prepare the degree plan and will guide the student throughout the academic program. The student should feel free to consult the advisor 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, skills, and distance education/web technology 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 approved course(s) 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 Provost. 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 Provost 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 Provost. 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 identification numbers of the students involved.
2. Upon approval of the Provost, 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.

Campus Wide I.D. (CWID): See Mustangs I.D.

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.asp>.

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. An 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 Texas Common Course Numbering System (TCCNS). 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. The TCCNS prefix and number is also displayed adjacent to each MSU course number that is equivalent to a Texas Common Course Number.

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 and Spring (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 and Spring (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

6 hours for Family Nurse Practitioner major = full-time

Summer Sessions (Graduate and Undergraduate)

6 hours	full-time
3 hours	1/2 time

Financial Aid award status rules may differ. Please see page 63.

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 advisor 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 advisor 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 years 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 MSU grade point average computation. Transfer students admitted with a grade point deficiency must remove the deficiency with grades earned at Midwestern State University. A student must have a 2.0 major, minor, and cumulative average based on MSU work as well as transfer work accepted to graduate.

Honor Rolls. A student who completes 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 student cannot have semester grades of I, WF or NC.

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 Provost's Honor Roll. The student cannot have semester grades of I, WF or NC.

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 student cannot have semester grades of I, WF or NC.

Independent Study Course. An individual research course.

The requirements for enrollment in an independent study course are as follows:

1. The student must have at least a B average in the area of the proposed independent study 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 an independent study 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 independent study courses, conference courses, or other non-scheduled class type courses in any one subject matter area may be counted in the 120 hours required for the bachelor's degree.

Invalidation of Courses: Students who decide not to remain enrolled prior to the first day of classes must contact the Dean of Students to invalidate or withdraw. Their office is located in the Clark Student Center, Room 104, or call (940) 397-6273.

Mustangs I.D.: Midwestern State University uses the Mustangs I.D. for each student. This number is also referred to as the Student I.D. number or the Campus Wide I.D. number. A unique identification number will be assigned to each student for use on the MSU student identification card and access to MSU WebWorld, in conjunction with their personal identification number (PIN). The Social Security Number (SSN) will still be collected and used on federal and state reports, and it is required for students applying for financial aid. If it is not provided, delays in processing or inability to match documents may be experienced.

Personal Identification Number (PIN). The PIN is to be used in conjunction with the Mustangs I.D. generated for each MSU student by the University for accessing the MSU WebWorld system (registration, financial aid, billing, grades, etc.). This number should be kept secure by the student for personal privacy protection.

For new or prospective students, the PIN is initially the date of birth (mmddyy), but must be changed by the student upon initial access into the MSU WebWorld system.

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.

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 120 semester hours including exercise physiology requirements. Developmental courses are excluded from the 120 hours.

Student Alert. A student alert notice (Conduct and Attendance Referral and/or Academic Referral) 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 Dean of Students Office and/or the Academic Support Center. Such behavior demonstrated may be non-attendance, excessive absences, poor test performance, high levels of anxiety, etc.

Student I.D. Number. See Mustangs I.D.

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.

WebWorld. MSU provides student self-service opportunities via WebWorld. With the Mustangs I.D. and PIN, students may access registration, bills, grades, unofficial transcripts, financial aid information, change of address, and many other services online at <http://registrar.mwsu.edu/prewebworld>.

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, dependents of deceased or 100% disabled veterans, and dependents of members of the armed forces 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 1-888-442-4551.

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 and children of Texas veterans may be eligible for exemption of tuition and certain fees under the provisions of the Hazlewood Act. See exemptions from Registration Fees on page 32.

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 - Admissions Office, Office of the Graduate School, and Office of International Services
- C. Financial Records - Business Office
- D. Financial Aid Records - Financial Aid Office
- E. Graduate Studies Records - Office of the Graduate School
- F. Placement Records - Career Management Center
- G. Progress Records - Faculty Offices and Academic Advising Office
- H. Disciplinary Records - Dean of Students' Office and Housing & Residence Life
- I. Athletics Records - Athletics Office
- J. 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 or the first 4 class days of a summer term. This request will remain in effect the remainder of the academic year. (Must be renewed each fall.) The following items have been designated as 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 records 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 records 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 Provost will chair and appoint a committee to hear challenges concerning records of offices reporting to him or her. The Vice President for Institutional Effectiveness will chair and appoint a committee to hear challenges concerning records of offices reporting to him or her. The Associate Vice President for Student Affairs will chair and appoint a committee to hear challenges concerning other 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 Provost, Vice President for Institutional Effectiveness, or Associate Vice President for Student Affairs 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 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 a right to consent to disclosure of personally identifiable information contained in their education records, except to the extent that FERPA authorizes disclosures without consent. There are certain exceptions to permit disclosure without consent. Students needing more details regarding these exceptions may contact the Office of the Registrar.

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 CENTER

The MSU Testing Center administers and/or has information on the following exams: American College Test (ACT), Accuplacer Test, College Level Examination Program (CLEP), correspondence exams, Defense Activity for Non-Traditional Education Support (DANTES), Examination for the Certification of Educators in Texas (ExCET), General Education Development Test (GED), Graduate Management Admission Test (GMAT), Graduate Record Examination (GRE), GRE ScoreItNow! (Analytical Writing Section), Law School Admission Test (LSAT), Medical College Admission Test (MCAT), Miller Analogies Test (MAT), Pharmacy College Admission Test (PCAT), Scholastic Aptitude Test (SAT), Texas Commission on Law Enforcement Officer Standards and Education (TCLEOSE), Texas Higher Education Assessment (THEA), Test of English as a Foreign Language (TOEFL), Test of English for International Communication (TOEIC), and university placement.

Individuals can access the Testing Center web page at <http://testing.mwsu.edu>. Students interested in any phase of testing services are invited to contact the MSU Testing Center 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 and sophomores from Burkburnett, City View, and the Wichita Falls Independent School District. All those interested are encouraged to apply. Please call (940) 397-4080 or (940) 397-4076 or see the high school counselor for an application or apply online.





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 Radiography

Major in radiography

BACCALAUREATE DEGREES

Bachelor of Applied Arts and Sciences

Major in applied arts and sciences

Bachelor of Arts

Majors offered in art, computer science, English, geosciences, history, humanities, international studies, kinesiology, mass communication, mathematics, music, political science, psychology, sociology, Spanish, and sport and leisure studies

Bachelor of Business Administration

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

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 biology, chemistry, computer science, environmental science, exercise physiology, geosciences, kinesiology, mathematics, physics, psychology, sociology, and sport and leisure studies

Bachelor of Science in Athletic Training

Major in athletic training

Bachelor of Science in Clinical Laboratory Science

Major in clinical laboratory science

Bachelor of Science in Criminal Justice

Major in criminal justice

Bachelor of Science in Dental Hygiene

Major in dental hygiene

Bachelor of Science in Interdisciplinary Engineering

Major in interdisciplinary engineering

Bachelor of Science in Interdisciplinary Studies

Major in interdisciplinary studies with certification program in elementary teaching: early childhood - grade 6, and grade 4 - grade 8

Bachelor of Science in Mechanical Engineering

Major in mechanical engineering

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 RADIOGRAPHY

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. To qualify for an associate degree from Midwestern State University, 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 in the major. A student must have a C (2.0) major and cumulative average based on Midwestern State University work, as well as transfer work accepted, to graduate. A student who presented a grade point deficiency based on transfer work accepted must have sufficient grade points earned at MSU to remove the deficiency in the major and cumulative average. See program area for special grade requirements.
7. Twenty-six semester hours of general academic courses listed on page 245 in the Radiologic Sciences section of this catalog.
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 Success Initiative (see page 70).
11. Honors are not awarded for an associate's degree.
12. Formal application for the degree through the Office of the Registrar. See Academic Calendar for deadlines and see Application for Degree Candidacy.
13. Payment of fees and satisfaction of all other financial obligations including "exit interviews" as required by loan programs.
14. For May and December graduates, attendance of graduation exercises unless approved by the Provost 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, if required by the program or selected by the student, shall consist of at least 18 semester hours of which six must be advanced. Six advanced semester hours of the minor must be completed in residence at Midwestern State University. This residence requirement does not apply to students receiving the BAAS degree with a minor.
7. To qualify for a degree from Midwestern State University, 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 in the major and a 2.0 in the minor. A student must have a C (2.0) major, minor, and cumulative grade point average based on Midwestern State University work, as well as transfer work accepted, to graduate. A student who presented a grade point deficiency based on transfer work accepted must have sufficient grade points earned at MSU to remove the deficiency in the major, minor, or cumulative average. Some programs require more than a 2.0 grade point average on major and minor hours. The student should consult with the academic advisor about specific program requirements.
8. Advanced work requirement: a minimum of 42 semester hours advanced work is required for the BBA, BSCJ, BSIE, BSME, and BSW; 39 semester hours advanced work for the BA, BFA, BM and BSIS; 36 semester hours advanced work for the BSDH, BSRs, BSCL; 33 semester hours advanced work for the BS, BSAT, and BSN; and 30 semester hours advanced work for the BAAS, BSRc, and RN/BSN degrees.
9. A minimum total credit of 120 semester hours. Developmental courses are excluded from the 120 hours. Only two physical activities courses will be counted for the 120 hour requirement.
10. Core testing to assess students' knowledge of academic foundations is used as an assessment measure for accreditation; there is no passing or failing score.
11. Satisfaction of the Writing Proficiency Requirement through one of the following options:
 - a. Pass the Writing Proficiency Examination administered between 60 and 90 semester hours. The test, taken after the completion of English 1113 and 1123, consists of a 300-500 word essay written on one of several topics, and passage requires competency in each of three areas: (1) organization and development, (2) clarity, and (3) mechanics. Students failing the Writing Proficiency Examination must pass English 2113.
 - b. Pass English 2113, English Composition Skills. (See description of English 2113 on page 273.)
12. Completion of academic foundations.
13. Demonstrate computer literacy by earning credit for a proficiency test or in CMPS 1013, 1023, 1033, 1043, EDUC 1023, or MIS 2003.
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 54)

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 Provost 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, 1233, or 2423

MATHEMATICS - 3 semester hours

MATH 1053, 1203, 1233, 1433, 1534, 1634, 1734, 2033, 2043

SCIENCE - 6 semester hours

BIOL 1134, 1144, 1234, 1544
CHEM 1103, 1141 and 1143, 1203, 1241 and 1243

ENSC 1114

GEOS 1134, 1234

GNSC 1104, 1204 (for teacher certification students only)

PHYS 1144, 1244, 1533, 1624, 2104, 2204, 2644

HUMANITIES & VISUAL AND PERFORMING ARTS - 9 semester hours

Six hours from English literature, history, humanities, philosophy, or two semesters of one 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, 2723, 2813, 2823

HIST 1333, 1433, 3133

HUMN 2013, 2023, 2033, 2043, 2053 or the 4000-level counterparts provided no 4000-level course repeats the corresponding course taken at the 2000 level.

PHIL 1033, 1533, 2033, 2233, 2633

FREN 1134, 1234

GERM 1134, 1234

SPAN 1134, 1234

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

or

3 hours from ART 1113, 1123, 1313, MUSC 1603/1601, THEA 1403

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, 2333, or 2433

And 3 hours from PSYC 1103 or SOCL 1133

INSTITUTIONALLY DESIGNATED OPTION - 2 semester hours

Two different EXPH activity courses

or

One semester of marching band and one EXPH activity course

or

Two semesters of 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.

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.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Academic Foundations and Core Curriculum

48 hours (see page 91)

Six hours of literature and/or humanities courses chosen from the list below:

ENGL 2413, 2423, 2613, 2623, 2723, 2813, 2823

HUMN 2013, 2023, 2033, 2043, 4013, 4023, 4033, 4043

A humanities course taken at the 2000 level may not be repeated at the 4000 level or vice-versa.

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.

Students may use the same literature, humanities, and foreign language courses to fulfill BA and core requirements, as well as major and/or minor requirements in these fields.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

Academic Foundations and Core Curriculum

48 hours (see page 91)

Additional General Requirements

All B.S. degree programs include at least four laboratory science courses. Manufacturing engineering technology majors may choose four physics courses (exclusive of Physics 1533). All other majors must choose two courses in each of two different laboratory sciences, (exclusive of Physics 1533, Chemistry 1101, 1103, 1203, and Environmental Science 1114).

The B.S. degree programs in athletic training, exercise physiology, psychology, and sociology require one mathematics course (exclusive of MATH 0003, 1003, 1053, 1203, 2033, and 2043).

All other B.S. degree programs include at least two mathematics courses (exclusive of MATH 0003, 1003, 1053, 1203, 2033, and 2043). Statistics 3573 may be used to satisfy three hours of this mathematics requirement.

The science and math courses may be included as part of the major and/or minor.

Requirements for Other Degrees

REQUIREMENTS FOR THE ASSOCIATE OF APPLIED
SCIENCE IN RADIOGRAPHY DEGREE

See page 245

REQUIREMENTS FOR THE BACHELOR OF
APPLIED ARTS AND SCIENCES DEGREE

See page 267

REQUIREMENTS FOR THE BACHELOR OF
BUSINESS ADMINISTRATION DEGREE

See page 111

REQUIREMENTS FOR THE BACHELOR OF FINE ARTS DEGREE

See page 171 for art

See page 202 for theatre

REQUIREMENTS FOR THE BACHELOR OF
MUSIC DEGREE

See page 189

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN ATHLETIC TRAINING DEGREE

See page 210

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN CLINICAL LABORATORY SCIENCE DEGREE

See page 319

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN CRIMINAL JUSTICE DEGREE

See page 218

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN DENTAL HYGIENE DEGREE

See page 224

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN INTERDISCIPLINARY ENGINEERING DEGREE

See page 341

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN INTERDISCIPLINARY STUDIES DEGREE

See page 135

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN MECHANICAL ENGINEERING DEGREE

See page 337

REQUIREMENTS FOR THE BACHELOR OF
SCIENCE IN NURSING DEGREE

See page 231

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN RADIOLOGIC SCIENCES DEGREE

See page 246

REQUIREMENTS FOR THE BACHELOR OF SCIENCE
IN RESPIRATORY CARE DEGREE

See page 255

REQUIREMENTS FOR THE BACHELOR OF
SOCIAL WORK DEGREE

See page 262

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 after conferral of the first degree, 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 Writing Proficiency Requirement.

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 degrees 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/applygraduation/applydegree.asp>.

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

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 degrees during the summer terms may participate in the December ceremony. Candidates who complete their degrees in the fall semester are required to attend the December commencement unless approved by the Provost for graduation in absentia. Candidates who complete their degrees at the end of the spring semester must attend the May commencement unless approved by the Provost 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 advisor in planning a course of study. Several pre-professional curricula have been prepared which indicate the minimum requirements of the professional schools. A copy may be obtained from the student's advisor.

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. MSU also participates in the Dental Early Acceptance Program (DEAP) with the University of Texas Health Science Center at San Antonio. See page 324.

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 SCHOOL

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

Major offered in business administration

Master of Education

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

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 Exercise Physiology

Major offered in exercise physiology

Master of Science in Nursing

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

Master of Science in Radiologic Sciences

Majors offered in radiologic administration, radiologic education, and radiologist assistant

Graduate minors are available in bilingual education, biology, early childhood education, educational foundations, educational technology, English, English as a second language, history, master mathematics teacher, mathematics, political science, public administration, reading education, special education, sport administration, Superintendency, teacher leadership, and training and development. Graduate certificates in administration of justice and health services administration are offered by the College of Health Sciences and Human Services. The West College of Education offers programs leading to certificates for Superintendent, Principal, School Counselor, Diagnostician, Master Mathematics Teacher, Master Reading Teacher, as well as a Graduate Initial Teacher Certification.

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

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, 2017.

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 Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Interdisciplinary Engineering
Bachelor of Science in Mechanical Engineering
Bachelor of Science in Nursing - RN/BSN Track
Bachelor of Science in Radiologic Sciences
Bachelor of Science in Respiratory Care - RRT to BSRC
Academic Support Center
Honors Program
Distance Education
International 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 Clinical Laboratory Science, Bachelor of Science in Dental Hygiene, Bachelor of Science in Interdisciplinary Engineering, Bachelor of Science in Mechanical Engineering, Bachelor of Science in Nursing - RN/BSN Track, Bachelor of Science in Radiologic Sciences, and Bachelor of Science in Respiratory Care - RRT to BSRC.

Basic Core (27 semester hours)

Political Science 1333, 1433

English 1113, 1123

Mathematics 1053, or 1203, or 1233*, or 1634**

History 1133, 1233

Speech Communication - 3 hours

Demonstrate computer literacy by earning credit for a proficiency test or in

CMPS 1013, 1033, 1043, or EDUC 1023. ***

* Math 1233 is required for BSCL.

** Math 1634 is required for BSIE and BSME.

*** BSIE students meet this requirement by taking IEGR 3244 in the major.

BSME students meet this requirement by taking MENG 3243 in the major.

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 Exercise Physiology.

Additional degree requirements -- see specific pages below:

Bachelor of Science in Clinical Laboratory Science (see page 319)

Bachelor of Science in Dental Hygiene (see page 224)

Bachelor of Science in Interdisciplinary Engineering (see page 341)

Bachelor of Science in Mechanical Engineering (see page 337)

Bachelor of Science in Nursing - RN/BSN Track (see page 231)

Bachelor of Science in Radiologic Sciences (see page 245)

Bachelor of Science in Respiratory Care - RRT to BSRC (see page 255)

ACADEMIC SUPPORT CENTER

Director: Naoma Clark

The Academic Support Center 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. The curriculum is designed to build academic knowledge and study skills for success in college, provide major and career exploration opportunities, and promote student engagement for an exceptional first year experience. Limited to new students.

ADVISED ADMISSION – *effective through Summer 2011*

Students who are admitted under Advised Admissions status (see page 44) are required to enroll in designated classes of MWSU 1233. See schedule of classes.

INDIVIDUAL REVIEW – *effective Fall 2011*

Students who are admitted by individual review (see page 43) may be required to enroll in MWSU 1233. See schedule of classes.

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

MWSU 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 are in the First Year Probation Program (see below) are required to enroll in MWSU 1003.

Students who re-enter the University following academic suspension may be required to enroll in MWSU 1003. This course is also highly recommended for all students placed on academic probation. Students who are required to enroll in MWSU 1003 may not drop the course with a “W”. Instructors may drop all students enrolled in the course with a “WF” or “F” at the discretion of the instructor. Students who have been required to enroll in the course who receive an Instructor Drop of “WF” or “F” must re-enroll in the course in the next semester in which they are registered since the course is a university requirement. (The course may not be offered Summer I or II, in which case students would enroll in the subsequent semester.)

For students who have been nominated for their 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.

First Year Probation Program. This is an early intervention program for beginning and transfer freshmen students who after their first semester at MSU are on academic probation (grade point average of less than 1.70). Re-enrolling students placed in this program at the end of the fall semester are required to enroll in MWSU 1003 - Skills for Success and repeat two classes in which they received grades of D or F. Students who

need to be full-time may choose additional classes, but may not register for more than 15 semester hours. Students placed in the program at the end of the spring semester may not enroll in more than 7 semester hours in a summer term, including at least one repeat (if available) and/or 15 semester hours in the following fall semester, including at least two repeat courses and MWSU 1003 - Skills for Success.

Students who are in non-compliance* with requirements of the First Year Probation Program waive the option of appeal to the Academic Readmission Committee for early reinstatement in the event they are suspended from the University.

*Non-compliance with requirements of the First Year Probation Program consists of the student being assigned a “WF” or “F” as a result of an Instructor Drop in MWSU 1003 or withdrawal from a required repeat course.

Academic Advising. Students who are undecided on a major field of study are advised through the Academic Support Center.

Supplemental Instruction (SI). SI is 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.

For more information, please contact the Academic Support Center at MSU (940) 397-4684 or asc@mwsu.edu.

UNIVERSITY HONORS PROGRAM

Director: Dr. Mark Farris
Professor of Mathematics

First established in 1964, the University Honors Program offers high achieving MSU students a challenging undergraduate learning experience. Beginning with the Honors Introductory Seminar and continuing with Honors designated classes taught by outstanding faculty, the MSU Honors Program presents an interdisciplinary curriculum that fosters students' love for learning. Honors experiences and achievements prepare students for success and leadership in graduate and professional schools, in the job market, and as citizens of our global community.

In order to graduate with Honors Program distinction, students are required to successfully complete a minimum of eight courses as specified by the Honors Program. Honors students must maintain a minimum cumulative GPA of 3.25. In addition to these curricular requirements, the Honors Program requires participation in a variety of enriching, co-curricular activities, such as professional conferences, field trips, community service, and a choice of undergraduate research projects, internships, or study abroad. Students must visit the Honors Program Office to be advised concerning their Honors curricular and co-curricular requirements. Honors housing, including our exclusive Honors House, offers students a supportive living and learning environment.

Admission to the Honors Program is by application, and requires a written essay and a letter of recommendation. Incoming freshmen must meet ONE of the following requirements: a minimum combined SAT score of 1200, a minimum composite ACT score of 27, high school graduation with an IB diploma, or high school graduation in the top 10%. Under special circumstances individuals may be granted provisional status based on relevant outstanding achievements. Continuing students, including transfer students, may apply to the Honors Program if they have at least 75 semester hours left to complete at MSU. Honors students in good standing receive a yearly Honors scholarship.

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.

The selection of Honors designated courses include a required course:

MWSU 1433. Honors Introductory Seminar 3(3-0)

This team-taught, interdisciplinary class is designed to guide Honors students in their transition to the University, to sharpen their academic skills, and to introduce them to University faculty members representing various fields of study. In this course, Honors students learn how to use various research methods to acquire and process knowledge in different fields, how to relate ideas learned in one discipline to those learned in others, and how to participate meaningfully in a learning community.

Occasionally a second course is offered exclusively for students participating in the Honors Program:

MWSU 4433. Honors Seminar 3(3-0)

Intensive study and coverage of selected topics of an interdisciplinary nature. May be repeated for credit when topics vary.

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

DISTANCE EDUCATION

The Center for Extended Education coordinates the following Distance Learning options which offer students an opportunity to earn college credit by participating in a variety of non-traditionally oriented courses.

Telecourses

Telecourses are offered on occasion 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. Telecourses require the regular viewing of professionally produced video programs, either at home on Time Warner 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 several Regional Educational Service Centers throughout the state. This allows students at a distance to enroll in Midwestern courses via compressed video.

Web-based Courses

MSU offers more than 350 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.

INTERNATIONAL EDUCATION

Midwestern State University is committed to providing study abroad opportunities for all students, whether graduate or undergraduate. To facilitate this international dimension, the Office of International Education has been established with the expressed objective of providing support for any student who wishes to study in an international setting. Scholarships as well as financial aid have been specifically set up to facilitate a student's study abroad expenses. Necessary documentation as well as mandatory orientations for all study abroad students ensures that each student's experience will not be subjected to unnecessary interruptions. Additionally, each study abroad program is committed to academic excellence as well as the standards set forth by the university. All international classes have rigorous requirements and offer the kind of intellectual stimuli usually found in honors courses.

For more information, please contact the Office of International Education at (940) 397-4038 or <http://academics.mwsu.edu/internationaleducation>.

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.

The Air Force ROTC program (Aerospace Studies) recruits, educates and commissions officer candidates as an integral part of the university curriculum. The Air Force ROTC program consists of three parts: 1. the General Military Course (first two years), 2. Summer Field Training Encampment, and 3. the Professional Officer Course (last two years). Students enroll in AERO classes at the same time and in the same manner as for other university courses. AERO courses normally receive academic credit as part of a student's electives. Each instructor is an active duty Air Force officer. MSU students participating in AFROTC will typically commute to UNT once a week to attend academic classes, leadership laboratories, and physical training.

Four-Year Program

The first two years of the Air Force ROTC four-year program – the General Military Course (GMC) – consist of one hour of classroom work and two hours of leadership laboratory each week. Cadets who wish to compete for an enrollment allocation and entry into the last two years of the program – the Professional Officer Course (POC) – must do so under the requirements of the Professional Officer Course Selection System. This system uses qualitative factors such as grade-point average, unit commander evaluation, and aptitude test scores to determine a student's officer potential. After POC selection, students must complete a four-week, field training encampment at an assigned Air Force base. Cadets enrolled in the POC attend class three hours a week and participate in a weekly leadership laboratory lasting two hours. All GMC and POC cadets must participate in weekly physical training.

In the POC, cadets apply what they have learned in the GMC and at field training. The AFROTC detachment at UNT has a cadet corps based on the Air Force organizational pattern of flight, squadron, group and wing. POC cadets are assigned to leadership positions, conduct the leadership laboratories and manage the unit's cadet corps.

Once enrolled in the POC, cadets are enlisted in the Air Force Reserve and assigned to the obligated reserve section. This entitles them to a monthly, non-taxable allowance during the academic year.

Two- and Three-Year Programs

The last two years of the AFROTC program consist of the Professional Officer Course (POC). Students with at least two undergraduate academic years remaining at the university may apply for a two- or three-year program, sign up for GMC courses, and compete for an enrollment allocation for entry into the POC. Entrance into the POC is highly competitive; two- and three-year applicants must be selected through the selection system described above.

Two- and three-year applicants must also complete a six-week field training encampment. The additional two weeks of field training prepare them for entry into the POC.

Leadership Laboratory

Cadets must take a required Leadership Laboratory (LLAB) approximately two hours per week throughout their enrollment in AFROTC. LLAB is conducted within the framework of the cadet organization with a progression of experiences designed to develop each student's leadership potential. The curriculum involves study of Air Force customs and courtesies, drill and ceremony, career opportunities in the Air Force, and the life and work of an Air Force junior officer. Students develop leadership in a wide variety of practical, supervised environments.

Physical Training

Each cadet must participate in two one-hour Physical Training (PT) sessions per week. PT is designed to motivate cadets to pursue an active, physically fit lifestyle. Cadets must meet Air Force physical fitness requirements to enter into the POC and to be commissioned.

Uniforms and Textbooks

Uniforms and textbooks for AFROTC courses are issued at no cost to the cadets.

Scholarships

Current emphasis in the Air Force ROTC college scholarship program is to award scholarships to candidates pursuing undergraduate engineering or other scientific and technical disciplines. Nearly 90 percent of Air Force ROTC scholarships are awarded in these disciplines. However, students in every degree program enjoy scholarship opportunities as the Air Force seeks to engage students who excel both academically and militarily. Scholarships are awarded at various amounts in increments of four, three and two years.

Eligibility Requirements

Air Force ROTC is open to male and female university students completing any undergraduate academic degree.

GMC entry requirements include:

1. Full-time student (minimum 12 hours).
2. Good physical condition.
3. Of good moral character.
4. Able to compete for POC before reaching 29 years if programmed for flying training, or 30 years if programmed for non-flying training.

POC entry requirements include:

1. Requirements 1-4 above.
2. U.S. citizen.
3. At least 2.0 cumulative grade point average; 2.5 if awarded an Air Force scholarship.
4. At least two undergraduate academic years remaining at the university.
5. Passing score on the Air Force Officer Qualification Test (AFOQT).
6. Passing score on the Air Force Physical Fitness Test.
7. Pass Air Force medical examination.
8. Completed Summer Field Training encampment.

Contact the Aerospace Studies Department at (940) 565-2074 for additional information on how to join.

Active-Duty Service Commitments

Cadets in the POC and second-year Air Force scholarship cadets are contract cadets who agree to accept a commission as a second lieutenant in the Air Force after completing all Air Force ROTC and academic degree requirements. Most cadets incur a four-year, active-duty commitment which begins after commissioning.

For more information on Air Force ROTC, students should contact:

Unit Admissions Officer
Division of Aerospace Studies
AFROTC Detachment 835
(940) 565-2074

Aerospace Studies, Department Chair
1155 Union Circle #305400
Denton, TX 76203-5400
(940) 565-2074
AFROTCDet835@unt.edu

The courses which may be taken in this AFROTC program are listed below.

COURSES IN MILITARY SCIENCE (MLSC)

These are Air Force ROTC courses taught at the University of North Texas, Denton, Texas.

1030. 1040. 2030. 2040. 3310. 3320. 4310. 4320. Physical Training

Involves enhancing the fitness level of cadets and prepare them to meet AFROTC and Air Force standards. Motivate cadets to pursue a physically fit and active lifestyle. Improve both the safety and efficiency of physical training within AFROTC.

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)

2921. Cooperative Education in Aerospace 1(1-0)

Prerequisites: Student must meet employer's requirements and have consent of the division chair.

Supervised work in a job directly related to the student's major, professional field of study or career objective. May be repeated for credit. (AERO 2920)

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. (AERO 4310, 4320)







ACADEMIC PROGRAMS

Academic Program Advisors

Dillard 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

Prothro-Yeager College of Humanities and Social Sciences

College of Science and Mathematics

ACADEMIC PROGRAM ADVISORS

Program

Accounting
 Applied Arts and Sciences
 Art
 Athletic Training
 Biology
 Business (lower division)

 Chemistry
 Clinical Laboratory Science
 Computer Science
 Criminal Justice
 Dental Hygiene
 Economics
 Education
 English
 Environmental Science
 Exercise Physiology
 Finance
 French
 General Business
 Geosciences
 History
 Humanities
 Interdisciplinary Engineering
 International Studies
 Kinesiology
 Management
 Management Information Systems
 Marketing
 Mass Communication
 Mathematics
 Mechanical Engineering
 Music
 Nursing
 Philosophy
 Physics
 Political Science
 Psychology
 Radiologic Sciences
 Respiratory Care
 Social Work
 Sociology
 Spanish
 Sport and Leisure Studies
 Theatre
 Undecided
 Pre-Dentistry & Dental Early Acceptance Program
 Pre-Engineering
 Pre-Health Sciences & Human Services
 Pre-Law
 Pre-Medicine, & Joint Admissions
 Medical Program (JAMP)
 Pre-Pharmacy
 Pre-Physical Therapy
 Pre-Veterinary

Advisor

Dr. Ralph Fritzsche
 Dr. Charles Olson
 Dr. Nancy Steele-Hamme
 Dr. Benito Velasquez
 Dr. William Cook
 Mr. Nick Gipson
 Ms. Bethany Windal
 Dr. Randal Hallford
 Ms. Asma Javed
 Dr. Ranette Halverson
 Dr. Nathan Moran
 Ms. Barbara DeBois
 Dr. Yoshi Fukasawa
 Dr. Ann Estrada
 Dr. David Rankin
 Dr. Pamela Stephens
 Dr. Benito Velasquez
 Dr. Yoshi Fukasawa
 Dr. Stuart McClintock
 Dr. Timothy DeGroot
 Dr. Pamela Stephens
 Dr. Harry Hewitt
 Dr. Lynn Hoggard
 Dr. Sheldon Wang
 Dr. Michael Preda
 Dr. Michaelle Kitchen
 Dr. Timothy DeGroot
 Dr. Chris Shao
 Dr. Chris Shao
 Dr. James Sernoe
 Dr. Dawn Slavens
 Dr. Sheldon Wang
 Dr. Ruth Morrow
 Ms. Catherine Rudy
 Dr. Nathan Jun
 Dr. Richard Fleming
 Dr. Steve Garrison
 Dr. George Diekhoff
 Dr. Donna Wright
 Ms. Annette Medford
 Dr. Carol Bisbee
 Dr. Beverly Stiles
 Dr. Adalberto Garcia
 Dr. Michaelle Kitchen
 Ms. Laura Jefferson
 Academic Support Center
 Dr. Christopher Hansen
 Dr. Sheldon Wang
 Ms. Catherine Rudy
 Dr. Kris Tilker
 Dr. Christopher Hansen

 Dr. Jon Scales
 Dr. Dana Mills
 Dr. Christopher Hansen

DILLARD COLLEGE OF BUSINESS ADMINISTRATION

Barbara Nemecek, Dean (Dillard College of Business Administration Building 239)

MISSION STATEMENT FOR THE DILLARD COLLEGE OF BUSINESS ADMINISTRATION

At the Dillard College of Business Administration our vision is to be recognized as the center of excellence in business education and service in North Central Texas.

Our Mission is to provide for our students an educational experience that develops the knowledge and competencies needed for professional career entry and mobility, and leadership. For our stakeholders, the Dillard College provides specialized services that contribute to the economic education, development, and vitality of our region.

The University's liberal arts tradition establishes a strong foundation upon which Dillard College's commitment to professional, high quality business education is built. Our academic programs reflect this strong commitment to a tradition of excellence. The College's global reach is illustrated by the cultural, ethnic, and geographic diversity of its students and faculty. This diverse environment fosters the multicultural perspectives critical to success in the dynamic global marketplace.

The culture of Dillard College is characterized by meaningful interaction between students and faculty amid continuous improvement in teaching excellence. Faculty research in applied, pedagogical, and basic traditions further strengthens the educational experience.

REQUIREMENTS FOR THE BACHELOR OF BUSINESS ADMINISTRATION

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

Minors are offered in business administration, accounting, economics, entrepreneurship, and management information systems. (See pages 114, 116, 119, 123, and 126 for specific requirements.)

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 120 hours including exercise physiology requirements, if applicable. Candidates must satisfy all general requirements for a bachelor's degree (see page 89) as well as requirements listed below.

ACADEMIC FOUNDATIONS AND CORE CURRICULUM (see page 91)

Candidates for the B.B.A. degree must satisfy all academic foundations and core curriculum requirements (see page 91).

BUSINESS CORE

In order to matriculate in the upper division business curriculum, students must complete all nine (27 semester hours) of the business core courses listed below (with an overall GPA of 2.0) and have completed an additional 21 hours in the university core.

BUAD	1033	Introduction to Business
ENGL	1113	Rhetoric and Composition
ENGL	1123	Rhetoric and Composition
MATH	1203	Mathematical Analysis for Business OR MATH 1233 College Algebra
ACCT	2143	Financial Accounting
ACCT	2243	Managerial Accounting
MIS	2003	Information Technology Concepts for Business
ECON	2333	Macroeconomics ¹
ECON	2433	Microeconomics

¹ Business majors must take this option in the Academic Foundations.

PROFESSIONAL BUSINESS CORE

After satisfying the business core 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 in most business programs, students must successfully complete all nine (27 semester hours) of the Professional Business Core courses listed below.

MGMT	3013	Organizational Behavior in Business
BUAD	3033	Business and Economic Statistics
MIS	3003	Management Information Systems
BUAD	3323	Business Ethics
LSBA	3233	Legal Environment of Business
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, economics, finance, general business, management, management information systems, or marketing. The course of study during the first two years is similar for all business administration majors.

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 earn a minimum overall grade point average of 2.0 in the major and the Professional Business Core (on the courses attempted at Midwestern State University).

Students pursuing a B.B.A. degree with any major must take a minimum of 40 percent of their semester hours outside the Dillard College of Business Administration. Dillard College of Business Administration courses are listed as ACCT, BUAD, ECON, FINC, LSBA, MGMT, MIS, and MKTG; however, ECON 2333 and ECON 2433 may be

counted as work outside the Dillard College of Business Administration when making this calculation.

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

Transfer Credit

All transfer credit intended to satisfy degree requirements will be evaluated and acceptance determined by Midwestern State University. Business courses (including accounting, finance, marketing, management, business law, and information systems) taken at junior or community colleges that are offered at Midwestern State University as upper division courses (3000 or above) are not normally accepted as credit toward degree requirements for the B.B.A.

Suggested Minor in International Studies

In our increasingly global environment, it is imperative that students be prepared for careers that transcend local, regional, and national boundaries. Students have the opportunity to expand their global perspective both within the curriculum of the Dillard College of Business Administration and by selecting a minor in International Studies (see page 292). A minor in International Studies can provide the differentiation that leads to a successful career path in the ever-increasing global economy. This interdisciplinary minor develops global perspective and understanding of cross cultural concerns while offering specialization in advanced studies in global perspectives.

Academic Advising Center

The Academic Advising Center of the Dillard College of Business Administration provides academic advising and degree planning for the first and second year students majoring in the business disciplines. The professional advising staff provides students with guidance to help achieve their academic goals. This individualized attention includes academic programs and majors, course selection, and schedules. Students work with the professional advising staff until they successfully complete the business core and other university requirements. The Dillard College of Business is committed to provide personalized and high quality advising ensuring that students receive optimum support in obtaining an excellent education and superior job opportunities.

Internship Program

The Dillard College of Business Academic Internship Program provides undergraduate and graduate students the outstanding opportunity to experience their chosen career field while enrolled in their academic program. The program affords students the ability to apply their scholarship knowledge, to gain relevant business experiences, to build their professional resumes, and to develop important professional networks.

Students may apply for an internship opportunity from more than 85 businesses representing a wide array of industries. Students work with a practitioner in a firm in which they have been accepted. A faculty sponsor, the professional in the firm, and the student negotiate collaborative goals for the internship that integrates theory with the experiences of the real world. Upon the satisfactory completion of the internship, students receive three hours of college credit. Most of the internships are paid so that students earn while they learn. In addition, scholarships are available for students who elect to pursue a non-paid internship experience.

Students who are juniors and seniors with a GPA of 2.5 or higher, have attended an in-

ternship orientation session, and have met other eligibility criteria are eligible to participate in the internship program. Graduate students who have a GPA of 3.0 or higher and have attended an internship orientation session are also eligible to participate in the internship program. Students are required to spend a minimum of 150 hours on the job.

Academic internships are available for the fall, spring, and summer semesters. Information and the application process can be obtained through the Director of the Academic Internship Program located in the Advising Center in the Dillard College of Business Administration.

GENERAL BUSINESS

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN GENERAL BUSINESS

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Business Core: (see page 112)

Professional Business Core: (see page 112)

Courses for Major in General Business (30 semester hours)

Selection of one course from each of the following lists:

ACCT 3023, 3033, 3043, 3073, 3203, 3633, 4063

ECON 3323, 3333, 3543, 3703

FINC 3353, 4653, 4733

MGMT 3783, 4033, 4113, 4213, 4513, 4613

MIS 3113, 3123, 3133, 3163, 3203, 3303, 4153

MKTG 3763, 3823, 4143, 4203, 4643, 4723, 4743, 4753

Plus LSBA 3243

And any three 3000-4000 level courses from the Dillard College.

Approved electives to bring total to 120 semester hours including exercise physiology 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 advisors in the Colleges of Business Administration and Education. Program requirements for the B.B.A. with teaching certification will total 121 semester hours including exercise physiology requirements, if applicable. (See page 152.)

REQUIREMENTS FOR MINOR IN BUSINESS ADMINISTRATION (21 semester hours)

ACCT 2143 and 2243, BUAD 3033, ECON 2433, FINC 3733, MGMT 3013, and MKTG 3723.

NOTE: Students minoring in business administration should take ECON 2333, MIS 2003, and MATH 1203 or 1233 instead of the other options listed under the Academic Foundations and General Degree Requirements.

COURSES IN BUSINESS ADMINISTRATION (BUAD)**1033. Introduction to Business (TCCNS = BUSI 1301) 3(3-0)**

A general survey course introducing the functional areas of business. This course is designed to provide the beginning business student with an introduction to the various business disciplines and demonstrate their interrelationships. Ethical issues facing the business person are introduced.

3033. Business and Economic Statistics 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, MATH 1203 or MATH 1233, and MIS 2003 or equivalent.

Introduction of statistical methods to the analysis of problems encountered in business and economics. Topics include descriptive statistics, probability and probability distributions, sampling and sampling distributions, estimation, hypothesis testing, analysis of variance, and simple and multiple regression and correlation.

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 or minor within the Dillard College of Business Administration.

3223. Business Communications 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

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.

3323. Business Ethics 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

An introduction to the ethical dilemmas faced by business persons and business leaders. This course will introduce students to the concepts required for ethical decision making in the current business environment, as well as examining various perceptions of ethical standards to which business leaders should adhere. This course should enable the student to examine ethical dilemmas from various perspectives and understand ethical issues from varying perspectives.

4493. Internship in Business Administration 3(3-0)

Prerequisites: Junior standing or above or consent of the chair and the 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 once. Must be approved with all paperwork completed prior to registration. Total hours granted for internships in all areas of business administration may not exceed six hours of credit.

4993. International Issues in Business 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and consent of the instructor.

Examination of government regulation and culture in the European Union as it affects the different disciplines of business.

ACCOUNTING

Ralph Fritsch, Chair (Dillard College of Business Administration Building 287)

Professor: Fritsch

Associate Professor: Gaharan

Assistant Professors: Matthews, Patton, Thomas

Instructor: Raulston

Professors Emeriti: Bauer, T. Harris, Madera, McInturff

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

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Business Core: (see page 112)

Professional Business Core: (see page 112)

Courses for Major in Accounting: (24 semester hours)

ACCT 3023, 3033, 3043, 3073, 3203, 4063, and six accounting elective hours selected from ACCT 3633, 4013, 4083, 4333, 4893.

Other Program Requirements: (3 semester hours)

LSBA 3243.

Approved electives to bring total to 120 semester hours including exercise physiology 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 and 24 hours of related business subjects. See educational requirements on the Texas State Board of Public Accountancy's website for current information.

The Texas State Board of Public Accountancy also requires 3 semester hours of approved ethics instruction as part of the 150-hour requirement. BUAD 3323, Business Ethics, fulfills this requirement. Effective July 1, 2011, the Board will also require 4 semester hours of accounting research and communication. This can be fulfilled by completing ACCT 4063 (Auditing), and ACCT 5223 (Accounting Research and Communications).

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

ACCT 2143, 2243, 3023, 3033, and six advanced hours.

COURSES IN ACCOUNTING (ACCT)

2143. **Financial Accounting** (TCCNS = ACCT 2301) 3(3-0)

Prerequisite: MATH 1203 or 1233.

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** (TCCNS = ACCT 2302) 3(3-0)

Prerequisite: ACCT 2143.

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

3003. Accounting Applications

3(3-0)

Prerequisite: ACCT 2243.

Preparation of basic federal tax returns for individuals: usage of computerized software (such as Quick Books) for book keeping; usage of mainstream office applications (such as Microsoft Access and Microsoft Excel) for accounting purposes. Designed for majors other than accounting; may not be taken by accounting majors to satisfy accounting requirements.

3023. Accounting Information Systems

3(3-0)

Prerequisites: Accounting major with junior standing or above or consent of the chair, and ACCT 2243.

Use of accounting data as an information system; general ledger programs and sub-programs relevant to the basic accounting cycle.

3033. Intermediate Accounting I

3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and 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)

Prerequisites: Junior standing or above or consent of the chair, and 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: Junior standing or above or consent of the chair, and ACCT 2243.

General concepts of federal income taxation applicable to individuals and business entities.

3203. Cost Accounting I

3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and ACCT 2243.

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

3(3-0)

Prerequisites: Junior standing or above or consent of the chair, ACCT 2143, ACCT 2243, and MATH 1203 or MATH 1233.

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. Dual listed with FINC 3633.

4013. Petroleum Accounting

3(3-0)

Prerequisite: ACCT 3023 or consent of the chair.

Basic financial accounting and reporting requirements for oil and gas producing companies, fiscal processes of a petroleum company, and compliance requirements of professional and regulatory organizations.

4063. Auditing

3(3-0)

Prerequisite: ACCT 3033.

Theory, practice, and procedure of auditing; internal accounting control; auditing standards and principles; working papers and reports.

4083. **Federal Income Tax II** 3(3-0)
 Prerequisites: Junior standing or above or consent of the chair, and ACCT 3073.
 Survey of federal income tax laws applicable to corporations, partnerships and S-corporations, and fiduciary relationships.
4333. **Governmental and Nonprofit Entity Accounting** 3(3-0)
 Prerequisites: Junior standing or above or consent of the chair, and ACCT 3023.
 Application of accounting principles and systems of budgeting, accounting, and reporting of governmental units and other nonprofit entities.
- 4551, 4552, 4553. **Independent Study in Accounting** 1-3 semester hours
 Prerequisites: Junior standing or above or consent of the chair.
 May be repeated with different content.
4663. **Special Topics in Accounting** 3(3-0)
 Topics vary. May be repeated with different content.
4893. **Internship in Accounting** 3(3-0)
 Prerequisites: Junior standing or above and consent of the chair and the 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 once. Must be approved with all paperwork completed prior to registration. Total hours granted for internships in all areas of business administration may not exceed six hours of credit.

ECONOMICS and FINANCE

Yoshi Fukasawa, Chair (Dillard College of Business Administration Building 209)

Professors: Fukasawa, Harmel, Martinez, Patin, Tilker

Assistant Professors: Gelves, Lei, Li, Owen, E. Zhang

Professors Emeriti: Krienke, Rodriguez, Van Geem

ECONOMICS

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

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Business Core: (see page 112)

Professional Business Core: (see page 112)

Courses for Major in Economics: (27 semester hours)

ECON 3323, 3333, 3543, 3703, and FINC 3353, plus 12 semester hours of upper level economics. MGMT 4033 and/or FINC 3353 may be counted as one of the upper level economics courses.

Economics majors planning to go on to a graduate program are strongly recommended to take additional mathematics courses including MATH 1634, 1734, and 3833.

Approved electives to bring total to 120 semester hours including exercise physiology requirements, if applicable.

REQUIREMENTS FOR A MINOR IN ECONOMICS (18 semester hours)

ECON 2433, plus 15 semester hours of upper level economics which must include ECON 3323 or 3333.

Note: Economics minors should take ECON 2333 - Macroeconomic Principles instead of ECON 1333 - General Economics to fulfill the university core on page 92.

COURSES IN ECONOMICS (ECON)**1333. General Economics** (TCCNS = ECON 1301) 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 within the Dillard College of Business Administration should take ECON 2333 instead of this course.)

2333. Macroeconomic Principles (TCCNS = ECON 2301) 3(3-0)

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, economic stagnation, resource waste, and international trade issues.

2433. Microeconomic Principles (TCCNS = ECON 2302) 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, income inequality, and taxation.

3323. Intermediate Macroeconomics 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, ECON 2333, and ECON 2433.

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: Junior standing or above or consent of the chair, ECON 2333, and ECON 2433.

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.

3543. Introduction to Econometrics 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and BUAD 3033.

The application of statistical methods to economic and financial analysis; particular attention is given to regression analysis including limited and dichotomous dependent variables, regression diagnostics, hypothesis testing, analysis of variance, and selected topics in time series forecasting.

3553. Economic Geography 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and 3 credit hours of economics.

A study of global economic activity from the geographic and natural resource perspectives. Location economics will be used to analyze global resource allocation and development, technological change, environmental risks, and societal impacts, as well as to develop public policy alternatives.

3703. Money, Banking, and Monetary Policy 3(3-0)

Prerequisites: Junior standing or above or consent of the chair.

An analysis of money, banking, and monetary policy, including an introduction to monetary theory. Topics include the use of balance sheet management techniques to control interest rate risk and increase profit in a dynamic banking environment.

3713. History of Economic Thought 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and 3 credit hours of economics.

The significance, influence, and development of economic doctrines from ancient times to modern thought.

3743. Public Finance 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, ECON 2333, and ECON 2433.

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.

4551, 4552, 4553. Independent Study in Economics 1-3 semester hours

Prerequisites: Junior standing or above or consent of the chair.

May be repeated with different content.

4643. International Economics and Finance 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, ECON 2333, or ECON 2433.

International trade theory and practice, historical survey, balance of payments, and world economic problems.

4663. Special Topics in Economics 3(3-0)

Topics vary. May be repeated with different content.

4723. Comparative Economic Systems 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and 3 credit hours of economics.

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, Germany, and Japan.

FINANCE

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

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Business Core: (see page 112)

Professional Business Core: (see page 112)

Courses for a Major in Finance: (30 semester hours)

FINC 3353, 4653, 4733, ECON 3543, 3703, and 4643, plus twelve semester hours (four courses) selected from ECON 3323, 3333, 3743, FINC 3413, 3753, 4663, 4753, 4833, 4893, and advanced accounting (limit six semester hours).

Approved electives to bring total to 120 semester hours including exercise physiology requirements, if applicable.

Students pursuing a B.B.A. degree with a major in Finance must earn a grade of C or higher in FINC 3353, 3733, 4653, and 4733 taken at MSU or transferred from another college or university.

COURSES IN FINANCE (FINC)

3353. Financial Markets and Institutions 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

Characteristics, functions, and interaction of financial markets and institutions; current developments and trends; factors in interest rate determination.

3413. Principles of Real Estate 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

Interactions of legal considerations, financing requirements and alternatives, income and property tax considerations, governmental policies, and market conditions as determinants of real estate value.

3633. Financial Analysis 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, ACCT 2143, ACCT 2243, and MATH 1203 or MATH 1233.

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. Dual listed with ACCT 3633.

3733. Business Finance 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, ACCT 2143, and ECON 2433.

Introduction to the principles of financial management applied by domestic and international firms. Core topics include financial analysis, time value of money, risk and return, asset valuation, cost of capital and capital budgeting.

3753. Risk Management and Insurance 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

Identification, analysis, and management of risk through insurance and alternative tools. Topics include property and liability exposures, life, health, and loss of income exposures; use of insurance and non-insurance techniques to manage risk.

4551, 4552, 4553. Independent Study in Finance 1-3 semester hours

Prerequisites: Junior standing or above or consent of the chair.

May be repeated with different content.

4653. Financial Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, BUAD 3033, and FINC 3733.

Advanced treatment of core topics from business finance and coverage of additional topics such as working capital management, capital structure and dividend decisions, cash flow estimation risk analysis, and introduction to real options in capital budgeting.

4663. Special Topics in Finance 3(3-0)

Topics vary. May be repeated with different content.

4733. Investments 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, BUAD 3033, and 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.

4753. Advanced Issues in Corporate Finance 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and FINC 4653.

Topics not covered in other corporate finance courses which may include, but are not limited to, capital budgeting, working capital management, and case studies in finance.

4833 Security Analysis and Portfolio Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and FINC 4733.

Theory of portfolio management including an examination of investment alternatives, security valuation, investment timing, diversification, and risk reduction.

4893. Internship in Finance 3(3-0)

Prerequisites: Junior standing or above and consent of the chair and the 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 once. Must be approved with all paperwork completed prior to registration. Total hours granted for internships in all areas of business may not exceed six hours of credit.

LEGAL STUDIES IN BUSINESS ADMINISTRATION

The Dillard College of Business Administration offers courses in legal studies in business administration.

COURSES IN LEGAL STUDIES IN BUSINESS ADMINISTRATION (LSBA)

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

Prerequisites: POLS 1333 and 1433 or consent of the instructor and junior standing or above or consent of the instructor.

An introduction to the procedures of the American legal system and how law operates in the business environment with international, economic, political, and social influences. Topics include legal and ethical responsibilities in organizations and society, legal process, alternative dispute resolution, legal and ethical decision making, international law, torts, contracts, and sales law. This course is beneficial for pre-law students.

3243. Commercial Law 3(3-0)

Prerequisites: POLS 1333 and 1433 or consent of the instructor and junior standing or above or consent of the instructor.

Agency, real property, bankruptcy, and Uniform Commercial Code Articles 2, 3, 4, and 7. This course is designed for students taking the CPA exam, business majors desirous of a second course in law, and pre-law students. Students are strongly encouraged to take LSBA 3233 before taking this class.

4551, 4552, 4553. Independent Study in Legal Studies in Business Administration 1-3 semester hours

Prerequisites: Junior standing or above or consent of the chair.

May be repeated with different content.

4663. Special Topics in Legal Studies in Business Administration 3(3-0)

Topics vary. May be repeated with different content.

MANAGEMENT

Timothy DeGroot, Chair (Dillard College of Business Administration Building 221)

Professors: Patterson, Ramser

Associate Professors: Bultena, DeGroot

Assistant Professors: Martin, Stambaugh

Professors Emeriti: Boutwell, McWhorter, Moeller

MANAGEMENT

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

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Business Core: (see page 112)

Professional Business Core: (see page 112)

Courses for Major in Management: (27 semester hours)

MGMT 3783, 4033, 4113, 4213, and 4613; plus twelve hours from the following:
MGMT 4413 or 4513 or 4663, 4783, 4793, 4893, LSBA 3243, BUAD 4993,
ECON 3703 or 4643, MIS 3163, or MKTG 4303 or 4753.

Approved electives to bring total to 120 semester hours including exercise physiology requirements, if applicable.

REQUIREMENTS FOR MINOR IN ENTREPRENEURSHIP (18 semester hours)

ACCT	2143	Financial Accounting
MKTG	3723	Principles of Marketing
MGMT	3013	Organizational Behavior
MGMT	3783	Entrepreneurship and Management of Small Enterprises
MGMT	4113	Leadership
MGMT	4893	Internship in Management

COURSES IN MANAGEMENT (MGMT)

3013. Organizational Behavior in Business 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

A study of the behavior of people at work in all forms of organizations. Topics to be covered include the fundamentals both of organizations and of organizational behavior, including individual differences, attitudes, values, ethics, motivation, group dynamics, decision-making, conflict, power, change, stress, leadership, job design, and organization structure. Also includes the development of management theory, as well as international and technological management, and self-assessment.

3453. Operations Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, MATH 1203 or MATH 1233.

Study of concepts, issues, and techniques for systems of production. Development of a basic understanding of the manufacturing function in industry.

3783. Entrepreneurship and Management of Small Enterprises 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

Focus on the principles and problems associated with starting and managing small en-

terprises. Students gain an understanding of: forms of ownership, sources of funds, location analysis, facility requirements, and business plans.

4033. Quantitative Methods 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and BUAD 3033 or equivalent.

Methods and application of operations research including topics such as linear programming, waiting line theory, PERT, networks, transportation, assignment, dynamic and goal programming.

4113. Leadership 3(3-0)

Prerequisites: MGMT 3013 and junior standing or above or consent of the chair.

Course focuses on the leadership challenges in organizations. Key learning outcomes in this course include: current perspectives on the key elements of effective leadership; the fundamental elements and best practices in the area of organizational change; using the concepts of leadership and change to analyze organizational change situations.

4213. Human Resource Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and 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)

Prerequisite: Senior standing in business administration or consent of the chair.

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)

Prerequisite: Senior standing in business administration or consent of the chair.

An experiential study of human relations in varied employment settings, with special emphasis on communications, self-esteem, ethics, motivation, trust, emotional balance, professionalism, team building, conflict, labor-management relations, dispute resolution, and diversity. Extensive use of case analysis, incident-techniques, and panel discussions.

4551, 4552, 4553. Independent Study in Management 1-3 semester hours

Prerequisites: Junior standing or above or consent of the chair.

May be repeated with different content.

4613. Supervisory Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MGMT 3013.

A study of the art of working with and through people as a manager or team leader. Topics include coverage of management functions such as leading, planning, decision making, organizing, delegating, change management, managing stress, and effective time management. Historical, ethical, and international dimensions will be considered.

4663. Special Topics in Management 3(3-0)

Topics vary. May be repeated with different content.

4783. Entrepreneurial Planning 3(3-0)

Prerequisites: MGMT 3783, MKTG 3723, FINC 3733, and consent of Director, Munir Abdul Lalani Center for Entrepreneurship and Free Enterprise.

Advanced study of entrepreneurship where students work singly or in teams to learn and apply business planning and venture creation skills. Requires the development and presentation of a detailed business plan as the culminating point of the course.

4793. Entrepreneurial Consulting 3(3-0)

Prerequisites: MGMT 3783, MKTG 3723, FINC 3733, and consent of Director, Munir Abdul Lalani Center for Entrepreneurship and Free Enterprise.

A course where student teams consult with local small businesses recommended by the Small Business Development Center. Students conduct analysis and provide a series of deliverables that enable a business to operate more efficiently and grow. Students learn and employ a systemic approach to business consulting.

4853. Strategic Management 3(3-0)

Prerequisite: Graduating senior in business administration or consent of the chair.

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: Junior standing or above and consent of the chair and the 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 once. Must be approved with all paperwork completed prior to registration. Total hours granted for internships in all areas of business administration may not exceed six hours of credit.

MANAGEMENT INFORMATION SYSTEMS and MARKETING

Chris Shao, Chair (Dillard College of Business Administration Building 272)

Professors: Dubinsky, Nemecek

Associate Professors: Johnston, Shao

Assistant Professors: Wilson, G. Zhang

Professors Emeriti: C. Harris, Harvey, McCullough, Rountree

REQUIREMENTS FOR THE B.B.A. WITH A MAJOR IN MANAGEMENT INFORMATION SYSTEMS

General: (see page 89)

Academic Foundations and Core Curriculum: (See page 91)

Business Core: (See page 112)

Professional Business Core: (See page 112)

Courses for Major in Management Information Systems: (27 semester hours):

MIS 3113, 3123, 3133, 3303, and 4143; plus twelve hours selected from: MIS 3153, 3163, 3203, 4113, 4153, 4323, 4333, 4663, or 4893.

Students pursuing a B.B.A. degree with a major in Management Information Systems must earn a grade of C or higher in MIS 3123 and 3133 taken at MSU or transferred from another college or university.

Approved electives to bring total to 120 semester hours including exercise physiology requirements, if applicable.

REQUIREMENTS FOR MINOR IN MANAGEMENT INFORMATION SYSTEMS (18 semester hours)

MIS 3003 Management Information Systems

MIS 3123 Database Design and Management

One approved programming language (C, C++, COBOL, Visual Basic, or Java)

Three advanced MIS courses approved by MIS Department Chair

COURSES IN MANAGEMENT INFORMATION SYSTEMS (MIS)**2003. Information Technology Concepts for Business** (TCCNS = BCIS 1305) 3(3-0)

Prepares students for the role that information technology plays in today's businesses. Topics include advanced software applications, networking and the Internet, and business communications. The role of information systems and systems development in business operations is also discussed. This course is designed to support the College of Business curriculum and satisfies the general degree requirement for computer literacy for business majors.

3003. Management Information Systems 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 2003 or equivalent.

An introduction to management information systems and the importance of systems in achieving organizational goals. Topics include how to develop and maintain information systems to gain competitive advantage, to solve business problems, and to improve decision making.

3113. Business Programming Language 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, MIS 2003 or equivalent, MATH 1203 or MATH 1233, and MIS 3003 or concurrent enrollment in MIS 3003.

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.

3123. Database Design and Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, MIS 2003 or equivalent, and MIS 3003 or concurrent enrollment in MIS 3003.

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.

3133. Business Systems Analysis 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 3003 or equivalent.

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.

3153. Hardware Issues in Information Technology (I.T.) 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, MIS 2003 or equivalent, and MATH 1203 or 1233.

The objective of this course is to familiarize students with the components, standards, and protocols associated with personal computers. Students will study the various PC configurations and technologies including microprocessors, motherboards, power supplies, bus configurations, peripheral devices and others. A hands-on project requiring students to design and build a personal computer will also be part of the course. Upon completion of the course, students will have a basic knowledge of and understanding of the following hardware components, concepts, and applications: system resources, Random Access Memory, CMOS RAM, disk devices, printer drivers, and system protection.

3163. Project Management 3(3-0)

Prerequisite: Junior standing or above or consent of the chair.

Practical approach to business problem solving through the actual implementation of a software product. It includes study of project management tools and techniques necessary to plan, staff, organize, direct, and control the development of computer-based information systems.

3203. Electronic Commerce 3 (3-0)

Prerequisite: Junior standing or above or consent of the chair.

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. Networking and Telecommunications 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 3003.

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.

4113. Advanced Programming 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 3113.

An extended introduction to an advanced programming environment utilizing a business oriented programming language. The course will provide instruction in the advanced manipulation of data and the programming of sophisticated data-intensive applications and file structures. In this course emphasis will be placed on developing object-oriented and web-based business applications. Major topics covered include program, system and interface design, database access, web service concepts, and programming management.

4143. Business Systems Design and Implementation 3(3-0)

Prerequisites: Senior standing or consent of the chair, and grade of "C" or better in MIS 3123 and 3133.

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.

4153. Decision Making and Decision Support Systems (D.S.S.) 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 3003.

This course explores various theories of decision making. It provides an opportunity for the student to study the application of quantitative decision-making techniques to management decision problems; focus on model development, solution, and implementation of results.

4323. Business Network Design 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 3303.

This course explores the telecommunication technologies used in wide area networks. Technologies such as frame relay, ATM, TCP/IP, and voice over IP will be studied. The role of the common carriers will also be discussed. Secure network traffic over TCP/IP and other security topics will be included.

4333. Advanced Database Design 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MIS 3123.

This course will allow faculty and students to explore emerging technologies and concepts within systems development including, but not limited to: data warehousing, data mining, knowledge management (KM), and other technologies necessary to facilitate the

successful implementation of electronic business functions (e.g., e-commerce) and other enterprise systems.

4551, 4552, 4553. **Independent Study in Management Information Systems** 1-3 semester hours

Prerequisites: Junior standing or above or consent of the chair.
May be repeated with different content.

4663. **Special Topics in Management Information Systems** 3(3-0)
Topics vary. May be repeated with different content.

4893. **Internship in Management Information Systems** 3(3-0)

Prerequisites: Junior standing or above and consent of the chair and the dean.

Field experience in selected areas of information systems with local enterprises and agencies. May be repeated once. Must be approved with all paperwork completed prior to registration. Total hours granted for internships in all areas of business administration may not exceed six hours of credit.

MARKETING

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

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Business Core: (see page 112)

Professional Business Core: (see page 112)

Courses for Major in Marketing (30 semester hours)

MKTG 3763, 3823, 4143, 4743, 4753; one course selected from MKTG 4203, 4643, 4663, or 4723; two courses selected from MKTG 4203, 4223, 4303, 4643, 4723, 4893, MGMT 3783, or MIS 3203; three hours of advanced economics; and three hours from any advanced course from the Dillard College of Business Administration.

Approved electives to bring total to 120 semester hours including exercise physiology requirements, if applicable.

COURSES IN MARKETING (MKTG)

3723. **Principles of Marketing** 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and ECON 2433 or equivalent.

A description and analysis of business activities designed to plan, price, promote, and distribute products and services to customers. Topics include the marketing environment, consumer behavior, marketing channels, governmental regulations, advertising, and current marketing practices.

3763. **Professional Selling** 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

Professional selling principles and relationship practices for business. Includes principles of communication and listening. Students identifying customer needs, creating value, adapting communication style, communicating the offer, overcoming resistance, closing, and follow-up.

3823. Consumer Behavior 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

An exploration of research pertaining to the consumer, and an assessment of the marketing implications of the various processes and facets of consumer behavior, motivation, and decisions.

4143. Marketing Research 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, BUAD 3033, and MKTG 3723.

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)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

An overview of promotion, including program selection, media selection, and advertising effectiveness and coordination of the advertising function with the other promotional tools.

4223. Retailing 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and 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.

4303. Sales Management 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

Basics of first-level management in a sales setting. Topics include the boundary spanning role, strategic programs, planning, organizing, staffing, directing and controlling the sales and sales force operation.

4451, 4452, 4453. Independent Study in Marketing 1-3 semester hours

Prerequisites: Junior standing or above or consent of the chair.

May be repeated with different content.

4643. International Marketing 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

A survey of international marketing, world markets, political restraints in trade, and international marketing practices.

4663. Special Topics in Marketing 3(3-0)

Topics vary. May be repeated with different content.

4723. Services Marketing 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

An understanding of the unique characteristics of services, the marketing challenges created by these characteristics, the marketing tools to deal with these challenges, and the strategic issues of utilizing these marketing tools.

4743. Advanced Marketing Problems 3(3-0)

Prerequisites: Junior standing or above or consent of the chair, and MKTG 3723.

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: Junior standing or above or consent of the chair, and MKTG 3723.

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: Junior standing or above or consent of the chair and the dean.

Field experience in selected areas of marketing with local or regional businesses. May be repeated once. Must be approved with all paperwork completed prior to registration. Total hours granted for internships in all areas of business administration may not exceed six hours of credit.



DILLARD COLLEGE CENTERS

Bureau of Business and Government Research

James Owen, Ph.D.

Director

The Bureau of Business and Government Research is an integral part of the Dillard College of Business Administration and Midwestern State University. The mission of the Bureau of Business and Government Research is:

1. to provide assistance in research conducted by the faculty and students in the University;
2. to conduct and encourage research related to economic development and the local community; and
3. to promote partnerships in the business and local community to pursue contemporary economic, business, and government issues.

The Bureau of Business and Government Research at Midwestern State University is a member of the nationwide Association for University Business and Economic Research. The Bureau of Business and Government Research publishes the Midwestern Business and Economic Review twice yearly.

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 university community and the citizens of the North Texas area. The Center provides economic education materials, disperses information concerning economic issues, and serves as a point of contact for members of the media and community having questions about economic issues.

Small Business Development Center

Vanda Wright

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.

The Small Business Development Center works with the Dillard College of Business Administration in developing cooperative research with faculty members.

The Center for Management and Leadership Development

Jim Lundy, Ph.D.
Director

The Center for Management and Leadership Development is committed to guiding managers and leaders at all levels of responsibility to respect, involve, and guide their associates to embrace the progressive pursuit of individual responsibility and accountability. The challenges of leadership and teamwork exist in all groups – for profit, not-for-profit, governmental or private. Through consultations, workshops, lectures, and other services, the Center for Management and Leadership Development strives to enhance the abilities of individuals and groups to provide their customers, clients, and constituents with outstanding leadership and management competencies.

The Munir Abdul Lalani Center for Entrepreneurship and Free Enterprise

Jeffrey E. Stambaugh, Ph.D.
Director

The Munir Abdul Lalani Center for Entrepreneurship and Free Enterprise was established by the family of Munir Lalani to support entrepreneurial ventures, creativity, innovation, and curriculum for students at Midwestern State University. The Lalani Center works with individual students as well as members of the North Texas community in support of new business start-ups and other entrepreneurial activities, business incubators, and partnerships with the Chamber of Commerce and Industry in the Wichita Falls region. The Lalani Center is developing curriculum in entrepreneurship to encourage and support successful student innovation and economic development. The business incubator program helps accelerate new business ventures, assists in business plan development, venture capital development, and participation in national student competitions. The Lalani Center is a member of the National Business Incubator Association.

BRIDWELL DISTINGUISHED PROFESSORSHIP OF FINANCE

The Bridwell Distinguished 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 Distinguished 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.

DILLARD DISTINGUISHED PROFESSORSHIP OF MARKETING

The Dillard Distinguished Professorship of Marketing was established in 2010 to honor Ms. Kay Dillard, a primary benefactor of the Dillard College of Business Administration. The professor holding this position is recognized nationally in the marketing profession for his outstanding contributions to the marketing field.

Alan Dubinsky (Ph.D., University of Minnesota) has been named the first Dillard Distinguished Professor of Marketing. He has taught at several universities, including Purdue University, SMU, University of Missouri, and University of Kentucky. Prior to entering academia, he was a territory manager for Burroughs Corporation (now Unisys). His research has appeared in the *Journal of Marketing*, *Journal of Marketing Research*, *Journal of Applied Psychology*, *Personnel Psychology*, *Academy of Management Journal*, *Leadership Quarterly*, and *Sloan Management Review*, among others, and is the author of four books. He is a former editor of the *Journal of Personal Selling and Sales Management* and a recipient of the Annual Excellence in Research Award from the American Marketing Association Selling and Sales Management Special Interest Group.

LOUIS J. AND RAMONA RODRIGUEZ DISTINGUISHED PROFESSORSHIP

The Louis J. and Ramona Rodriguez Distinguished Professorship was established in 2003 to honor President Emeritus Louis J. and Ramona Rodriguez.

Barbara H. Nemecek (Ph.D., University of Minnesota), the Louis J. and Ramona Rodriguez Distinguished Professor, came to Midwestern State University in 2009 as Dean of the Dillard College of Business Administration. Dr. Nemecek has served in a number of marketing professor, administrative and Dean positions at the University of Wisconsin, Montana State University, University of Nebraska, University of Minnesota, and Northern Illinois University. Her research work has been concentrated in retailing, corporate decision making and strategic planning, and she has actively worked in economic development.

MUNIR A. LALANI DISTINGUISHED PROFESSORSHIP OF ENTREPRENEURSHIP

The Munir A. Lalani Distinguished Professor of Entrepreneurship was established in 2008 by the family of Munir Lalani to support entrepreneurial activities in the Dillard College and region.

Dr. Jeffrey E. Stambaugh, the Munir A. Lalani Distinguished Professor of Entrepreneurship, is a retired Colonel from the United States Air Force where he has a distinguished career as an officer and fighter pilot. He graduated from the U.S. Air Force Academy and has served as the 27th Fighter Wing Vice Commander in Clovis, NM. He has twice been assigned to the Pentagon and served as a political-military affairs officer at U.S. European Command Headquarters in Germany. In 2001, he was a Fellow at the Weatherhead Center for International Affairs at Harvard University. Dr. Stambaugh completed his Ph.D. in Management with a specialization in entrepreneurship and strategies from Texas Tech University. He serves as the Director of the Munir Abdul Lalani Center for Entrepreneurship and Free Enterprise in the Dillard College of Business Administration.

ROBERT MADERA DISTINGUISHED PROFESSORSHIP OF ACCOUNTING

The Robert Madera Distinguished Professorship of Accounting was established in 2005 in recognition of the long-time service of Professor Emeritus, Robert Madera. The generosity of alumni of the Dillard College of Business Administration has made this professorship possible.

Terry Patton, Ph.D., CPA, CGFM, is the Robert Madera Distinguished Professor of Accounting at Midwestern State University. He is the author of numerous articles on governmental accounting and was co-author on PPC's *Guide to Governmental Financial Reporting Model: Implementing GASBS No. 34*. Previously, Dr. Patton was the Research Manager at the Governmental Accounting Standards Board (GASB). In his eight years at the GASB, he was part of the project team on numerous GASB Standards including major projects such as GASB Statement No. 34, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments* and GASB Statement No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*. Dr. Patton also has been an Assistant Professor of Accounting at the University of Wisconsin Oshkosh and a supervisor at a Texas CPA firm where he conducted audits of local governments. Dr. Patton received his doctorate in accounting from Texas Tech University. He is a member of the American Accounting Association and the American Institute of Certified Public Accountants.

GORDON T. AND ELLEN WEST COLLEGE OF EDUCATION

Vacant, Dean (Ferguson Hall 201A)

EDUCATION

Ann Estrada, Chair - Education and Reading

Michaelle Kitchen, Chair - Counseling, Kinesiology, and Special Education

Jane Owen, Chair - Educational Leadership and Technology

Professors: Coe, Gore, Land

Associate Professors: Andersen, Barbosa, Burger, M. Capps,
Estrada, Kitchen, Owen, Redmon

Assistant Professors: Beechler, Blacklock, Hammer, Huang, Lilienthal,
Lindt, Prieto, Schreiber, Schultz, Stewart, Wood

Instructors: Curry, Miller, Shawver, Wines

Certification Officer: Darter

Professors Emeriti: E. Capps, Darter, Dowd, Furr, Hill, Menard, Newton, Simpson, Smith

MISSION STATEMENT FOR THE GORDON T. AND ELLEN WEST COLLEGE OF EDUCATION

The mission of the Gordon T. and Ellen West College of Education, a community of learners, is to prepare successful, reflective professionals through the use of best practices.

Philosophy

The West College of Education believes that learning changes both the individual and society. Developing resiliency and tolerance enhances an individual's potential. The individual becomes a critical thinker and an effective problem solver. Individuals with a cause beyond self contribute to an informed, democratic, and synergistic society. We will establish a reflective and collaborative community to enhance the potential of both the learner and society.

Programs

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 cooperating public schools. 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, all-level teachers, and a B.A. and B.S. in Sport and Leisure Studies. Students who wish to become elementary teachers (Early Childhood - Grade 6; 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), Texas Education Agency, 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 214, for an assessment of their degree and specific program requirements.

Summary Information of Teacher Candidates

The teacher education preparation program is accredited by the Texas Education Agency. The following demographic data presents the pass rate of the ExCET for those completing the initial teacher education program between September 1, 2007 and August 31, 2008.

Overall pass rate:

Total	Female	Male
97% (142)	98% (124)	91% (18)

Numbers in parenthesis represent number passing the test.

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 Higher Education Assessment (THEA), 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 Higher Education Assessment test) and have 60 semester credit hours prior to enrolling in any professional education course (EDUC 3153, 3162, 4102, 4202, 4302, 4106, 4113, 4166, 4173, 4176, 4263, 4466, 4473, READ 4203, 4213, 4223, 4273, SPED 3613). 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 THEA 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 advisor 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 teach-

ing by October 1 for the spring semester and by February 15 for the fall semester. Consideration for admission requires a 2.6 grade point average (programs in the Prothro-Yeager College of Humanities and Social Sciences 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. Complete applications are approved by the Teacher Education Committee. Fall applications may not be approved until August, if the student has summer courses to complete.

All students receive a speech/language diagnostic assessment as part of their course work. 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, 4102, 4202, 4302, Reading 4203, 4213, and 4223, prior to student teaching.

Student teachers seeking secondary certification must have completed Reading 4273, Education 3153, 4113, and SPED 3613 prior to student teaching.

Student teaching will be full days for 14 weeks.

**Teaching fields in the Prothro-Yeager College of Humanities and Social Sciences include Composite Social Studies, English/Language Arts and Reading, French, 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

6252-13c, Texas Civil Statutes, the Commissioner of Education may suspend 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 6 and Grades 4-8.

Early Childhood Through Grade 6 (EC-6)

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, 1233, or 2423	Fundamentals of Speech, Voice and Diction, or Interpersonal Communication	3
ART	4303	Foundations of Art I	3
Choose 3 hours from the following courses:			3
	PSYC 1103	General Psychology	
	SOCL 1133	Introduction to Sociology	
	ECON 1333	General Economics	
	ECON 2333	Macroeconomics	
	ECON 2433	Microeconomics	

Academic Subject Area 40 hours

ENGL	Sophomore literature		3
EDUC	2013	School and Society	3
COUN	2023	Human Development	3
MATH	2033, 2043	Structure of the Number System I and II	6
KNES	1213	Concepts of Health Living	3
GNSC	3104	Concepts of Science (or any 4 hour lab science)	4
MUSC	4813	Foundations of Music I	3
READ	3013	Child and Adolescent Literature	3
ECED	3103	Introduction to Young Children	3
ECED	3173	ESL Methods and Materials	3
ECED	4123	Early Childhood Development: Language and Literacy	3
ECED	4133	Early Childhood Curriculum	3

Other Requirements 5 hours

EDUC	1023, or demonstrate computer proficiency through department exam.	3
KNES	2102 Movement Activities for Children	2

Education and Reading Block**29 hours****Block 1:** Student must have passed THEA or equivalent and 60 semester hours.

EDUC 3153 Educational Psychology 3

SPED 3613 Exceptional Individuals 3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC 3162 Classroom Management 2

EDUC 4102 Teaching Science in Elementary School 2

EDUC 4202 Teaching Math in Elementary School 2

EDUC 4302 Teaching Social Studies in Elementary School 2

Block 3: Before taking the following courses student must have finished Blocks 1 and 2.

READ 4203 Developmental Reading 3

READ 4213 Methods of Teaching Reading and the Language Arts 3

Concurrent or after Block 3:

READ 4223 Diagnosis and Correction of Reading Difficulties 3

To be taken in last semester:

EDUC 4166 Student Teaching in Elementary School 6

Total semester hours**120**

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 1233 College Algebra 3

SPCH 1133, 1233, or 2423 Fundamentals of Speech, Voice and Diction, 3

or Interpersonal Communication

ART 1413 or MUSC 1033 Art or Music Appreciation 3

Choose 3 hours from the following courses: 3

PSYC 1103 General Psychology

SOCL 1133 Introduction to Sociology

ECON 1333 General Economics

ECON 2333 Macroeconomics

ECON 2433 Microeconomics

Academic Subject Area	40 hours
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ENGL	Sophomore literature	6
COUN 2023	Human Development	3
EDUC 2013	School and Society	3
MATH 2033 and 2043	Structure of the Number System I and II	6
GNSC 3104	Concepts of Science or any 4 hour lab science	4
READ 3013	Child and Adolescent Literature	3
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

Other Requirements	5 hours
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EDUC	1023, or demonstrate computer proficiency through department exam.	3
KNES	2102 Movement Activities for Children	2

Education and Reading Block	29 hours
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Block 1: Student must have passed THEA or equivalent and 60 semester hours.

EDUC	3153 Educational Psychology	3
SPED	3613 Exceptional Individuals	3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC	3162 Classroom Management	2
EDUC	4102 Teaching Science in Elementary School	2
EDUC	4202 Teaching Math in Elementary School	2
EDUC	4302 Teaching Social Studies in Elementary School	2

Block 3: Before taking the following courses student must have finished Blocks 1 and 2.

READ	4203 Developmental Reading	3
READ	4213 Methods of Teaching Reading and the Language Arts	3

Concurrent or after Block 3:

READ	4223 Diagnosis and Correction of Reading Difficulties	3
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To be taken in last semester:

EDUC	4166 Student Teaching in Elementary School	6
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Total Semester Hours	120
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Mathematics (4-8 Certificate)

Academic Foundations and Core Curriculum	46 hours
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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, 1233, or 2423	Fundamentals of Speech, Voice and Diction, or Interpersonal Communication	3
ART	1413 or MUSC 1033	Art or Music Appreciation	3
PSYC	1103 or SOCL 1133	General Psychology or Introductory to Sociology	3

Academic Subject Area **40 hours**

COUN	2023	Human Development	3
EDUC	2013	School and Society	3
MATH	2033, 2043	Structure of Number System I and II	6
MATH	3033	Modeling	3
MATH	3113	Techniques in Problem Solving	3
MATH	3123	Concepts of Geometry	3
STAT	3573	Probability and Statistics	3
MATH	4033	Foundations of Discrete Math	3
GNSC	3104	Concepts of Science or any 4 hour lab science	4
READ	3013	Child and Adolescent Literature	3
GEOG	3003 or 3013	Geography of the World or Geography of North America	3
ECON	1333 or 2333	General Economics or Macroeconomics	3

Other Requirements **5 hours**

EDUC	1023, or	demonstrate computer proficiency through department exam.	3
KNES	2102	Movement Activities for Children	2

Education and Reading Block **29 hours**

Block 1: Student must have passed THEA or equivalent and 60 semester hours.

EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC	3162	Classroom Management	2
EDUC	4102	Teaching Science in Elementary School	2
EDUC	4202	Teaching Math in Elementary School	2
EDUC	4302	Teaching Social Studies in Elementary School	2

Block 3: Before taking the following courses student must have finished Blocks 1 and 2.

READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3

Concurrent or after Block 3:

READ	4273	Content Reading	3
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To be taken in last semester:

EDUC	4166	Student Teaching in Elementary School	6
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Total semester hours **120**

Science (4-8 Certificate)

Academic Foundations and Core Curriculum 46 hours

ENGL	1113, 1123	Rhetoric and Composition	6
SPAN	1134, 1234	Elementary Spanish	8
GEOS	1134	Physical Geology	4
GNSC	1204	Physical Science	4
HIST	1133, 1233	Survey of American History	6
POLS	1333, 1433	American Government	6
MATH	1233	College Algebra	3
SPCH	1133, 1233, or 2423	Fundamentals of Speech, Voice and Diction, or Interpersonal Communication	3
ART	1413 or MUSC 1033	Art or Music Appreciation	3
Choose 3 hours from the following courses:			3
PSYC	1103	General Psychology	
SOCL	1133	Introduction to Sociology	
ECON	1333	General Economics	
ECON	2333	Macroeconomics	
ECON	2433	Microeconomics	

Academic Subject Area 41 hours

COUN	2023	Human Development	3
EDUC	2013	School and Society	3
MATH	2033 and 2043	Structure of the Number System I and II	6
READ	3013	Child and Adolescent Literature	3
CHEM	1103	Introductory Chemistry	3
GEOS	3034	Oceanography	4
GNSC	3104	Concepts of Science	4
PHYS	1533	Descriptive Astronomy	3
BIOL	3434 or 3534	Entomology or Systematic Botany	4
Choose 2 courses from:			8
BIOL	1144	General Zoology	
BIOL	1544	General Botany	
ENSC	1114	Foundations of Environmental Science	
GEOS	1234	Historical Geology	

Other Requirements 5 hours

EDUC	1023, or demonstrate computer proficiency through department exam.	3
KNES	2102 Movement Activities for Children	2

Education and Reading Block 29 hours

Block 1: Student must have passed THEA or equivalent and 60 semester hours.

EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC	3162	Classroom Management	2
EDUC	4102	Teaching Science in Elementary School	2

EDUC	4202	Teaching Math in Elementary School	2
EDUC	4302	Teaching Social Studies in Elementary School	2

Block 3: Before taking the following courses student must have finished Blocks 1 and 2.

READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3

Concurrent or after Block 3:

READ	4273	Content Reading	3
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To be taken in last semester:

EDUC	4166	Student Teaching in Elementary School	6
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Total Semester Hours **121**

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	1233	College Algebra	3
SPCH	1133, 1233, or 2423	Fundamentals of Speech, Voice and Diction, or Interpersonal Communication	3
ART	1413 or MUSC 1033	Art or Music Appreciation	3
ECON	1333	General Economics	3

Academic Subject Area **40 hours**

COUN	2023	Human Development	3
EDUC	2013	School and Society	3
MATH	2033 and 2043	Structure of the Number System I and II	6
HIST	1333	Survey of Western Civilization	3
HIST	1433	Survey of Western Civilization	3
HIST	3003	Survey of Texas History	3
HIST	3133	Comparative World Religions and Cultures	3
SOST	3003	Concepts of Social Studies	3
GEOG	3003	Geography of the World	3
GEOG	3013	Geography of North America	3
GNSC	3104	Concepts of Science or any 4 hour lab science	4
READ	3013	Child and Adolescent Literature	3

Other Requirements **5 hours**

EDUC	1023, or	demonstrate computer proficiency through department exam.	3
KNES	2102	Movement Activities for Children	2

Education and Reading Block 29 hours

Block 1: Student must have passed THEA or equivalent and 60 semester hours.

EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC	3162	Classroom Management	2
EDUC	4102	Teaching Science in Elementary School	2
EDUC	4202	Teaching Math in Elementary School	2
EDUC	4302	Teaching Social Studies in Elementary School	2

Block 3: Before taking the following courses student must have finished Blocks 1 and 2.

READ	4203	Developmental Reading	3
READ	4213	Methods of Teaching Reading and the Language Arts	3

Concurrent or after Block 3:

READ	4273	Content Reading	3
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To be taken in last semester:

EDUC	4166	Student Teaching in Elementary School	6
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Total Semester Hours 120

Bachelor of Science in Interdisciplinary Studies Special Education Early Childhood through Grade 12 General Education Early Childhood through Grade 6

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	1133, 1233, or 2423	Fundamentals of Speech, Voice and Diction, or Interpersonal Communication	3
One course from: ART 4303, MUSC 4813, THEA 4423			3
Choose 3 hours from the following courses:			3
	PSYC 1103	General Psychology	
	SOCL 1133	Introduction to Sociology	
	ECON 1333	General Economics	
	ECON 2333	Macroeconomics	
	ECON 2433	Microeconomics	

Academic Subject Area 34 hours

MATH	2033, 2043	Structure of Number System I and II	6
GNSC	3104	Concepts of Science or any 4 hour lab science	4
SPED	3313	Teaching Strategies for Cognitive Disorders	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 **23 hours**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3162	Classroom Management	2
EDUC	4102	Teaching Science in Elementary School	2
EDUC	4202	Teaching Math in Elementary School	2
EDUC	4302	Teaching Social Studies in Elementary School	2
EDUC	4173	Student Teaching, Elementary, all-level	3
EDUC	4473	Student Teaching, Secondary, all-level	3
SPED	3613	Exceptional Individuals	3

Reading **9 hours**

READ	4213	Methods of Teaching Reading and the Language Arts	3
ECED	4123	Early Childhood Development: Language and Literacy	3
SPED	4313	Tier III Reading Strategies	3

Other Requirements **11 hours**

COUN	2023	Human Development	3
ECED	3103	Introduction to Young Children	3
EDUC	1023, or	demonstrate computer proficiency through department exam.	3
KNES	2102	Movement Activities for Children	2

Total semester hours **121**

Bachelor of Science in Interdisciplinary Studies Bilingual Generalist and General Education EC-6

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, 1233, or 2423	Fundamentals of Speech, Voice and Diction, or Interpersonal Communication	3
ART	4303 or MUSC 4813	Foundations of Art or Music	3
Choose 3 hours from the following courses:			3
	PSYC 1103	General Psychology	
	SOCL 1133	Introduction to Sociology	
	ECON 1333	General Economics	
	ECON 2333	Macroeconomics	
	ECON 2433	Microeconomics	

Academic Subject Area	34 hours
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ECED	3173	ESL Methods & Materials	3
ECED	4123	Early Childhood Language & Literacy	3
ECED	4133	Early Childhood Curriculum	3
EDBE	3213	Concepts/Foundations of Bilingual & Multicultural Education	3
EDBE	3313	Methods & Materials in Bilingual Education	3
EDBE	4303	Second Language Acquisition	3
EDBE	4323	Reading & Language Arts in Bilingual Education	3
EDBE	4333	Assessment in Bilingual Education	3
MATH	2033,	2043 Structure of Number System I and II	6
GNSC	3104	Concepts of Science or any 4 hour lab science	4

Professional Education	23 hours
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EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3162	Classroom Management	2
EDUC	4102	Teaching Science in Elementary School	2
EDUC	4202	Teaching Math in Elementary School	2
EDUC	4302	Teaching Social Studies in Elementary School	2
EDUC	4163	Student Teaching in Elementary School	3
EDUC	4263	Student Teaching in Bilingual Classroom	3
SPED	3613	Exceptional Individuals	3

Reading	12 hours
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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	8 hours
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COUN	2023	Human Development	3
EDUC	1023, or	demonstrate computer proficiency through department exam.	3
KNES	2102	Movement Activities for Children	2

Total Semester Hours	123
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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 course work 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 14 hours of Professional Education, a course in reading and student teaching. The requirements for secondary teacher certification may be slightly different 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. An additional teaching field is offered in the following area: French.

BACHELOR OF ARTS WITH SECONDARY CERTIFICATION (GRADES 8-12)

Academic Foundations and Core Curriculum 47 hours plus additional requirements

ENGL	1113, 1123	6
	6 hours sophomore literature* or humanities	6
SPCH	1133 or 2423	3
MATH	1233	3
	Natural Sciences - two laboratory courses	6
HIST	1133, 1233	6
POLS	1333, 1433	6
ECON	1333 or 2333 or 2433**	3
PSYC	1103 or SOCL 1133	3
EXPH	2 activity courses	2
	Fine Arts***	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 and B.A. Requirements 17 hours

EDUC 1023, or demonstrate computer proficiency through department exam.	3
Foreign Language - 2 years of one foreign language	14

Professional Education 23 hours

EDUC 2013 School and Society	3
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Block 1: Student must have passed THEA or equivalent and 60 semester hours.

EDUC 3153 Educational Psychology	3
SPED 3613 Exceptional Individuals	3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC 3162 Classroom Management	2
EDUC 4113 Planning and Assessment for Secondary Education and All-Level	3
READ 4273 Content Reading	3

To be taken in last semester:

EDUC	4466	Student Teaching in the Secondary School	6
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English Language Arts and Reading

Major: English	36 hours
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ENGL	1113*, 1123*	6
	6 hours sophomore literature*	6
ENGL	3213, 3503, 3513 and 3533	12
	3 additional hours from 3000 level	3
	3 hours from ENGL 4773, 4783, 4863, 4873, 4883, or 4953	3
	6 additional hours from 4000 level	6

*12 hours duplicated in Academic Foundations.

Reading Concentration	9 hours
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READ	4223, 4253, and 4273*	9
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*3 hours duplicated in Academic Foundations.

Elective	3 hours
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Total Semester Hours	120
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Social Studies

Major: History	30 hours
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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 Non-U.S., Non-European History	3

Interdisciplinary Minor	21 hours
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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
GEOG	3003, 3013 Geography of the World/Geography of North America	6

*15 hours duplicated in Academic Foundations.

Total Semester Hours	123
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BACHELOR OF SCIENCE WITH SECONDARY CERTIFICATION (GRADES 8-12)

Academic Foundations and Core Curriculum 46 hours

ENGL	1113, 1123	6
6 hours humanities (two semesters of one foreign language required for science majors)		6
SPCH	1133 or 2423	3
MATH	1233*	3
Natural Sciences - two semesters of one lab science		8
**CHEM 1141, 1143, 1241, 1243		
***PHYS 1144 or 1624 and 1244 or 2644		
HIST	1133, 1233	6
POLS	1333, 1433	6
PSYC	1103 or SOCL 1133	3
EXPH	2 activity courses	2
Fine Arts		3

* Math majors should take MATH 1634 instead.

** Required for composite science and physical science majors.

*** Required for life science major.

Professional Education 23 hours

EDUC	2013	School and Society	3
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Block 1: Student must have passed THEA or equivalent and 60 semester hours.

EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3

Block 2: Student must be admitted to the Teacher Education Program before enrolling.

EDUC	3162	Classroom Management	2
EDUC	4113	Planning and Assessment for Secondary Education and All-Level	3
READ	4273	Content Reading	3

To be taken in last semester:

EDUC	4466	Student Teaching in the Secondary School	6
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Additional General Requirements 6 hours

EDUC	1023, or demonstrate computer proficiency through department exam. (Math majors meet requirement in additional requirements.)		3
ECON	1333 or 2333 or 2433		3

Mathematics

Major: Mathematics 36 hours

MATH	1634*	Calculus I	4
MATH	1734	Calculus II	4
MATH	2133	Introduction to Modern Mathematics	3

MATH	2534	Calculus III	4
MATH	3133	Foundations of Geometry	3
MATH	3293	Abstract Algebra I	3
MATH	3833	Linear Algebra	3
MATH	4133	Mathematical Statistics I	3
MATH	4733	Introductory Analysis I	3
3 hours chosen from one of the following:			3
MATH	4143	Mathematical Statistics II	
MATH	4293	Abstract Algebra II	
MATH	4833	Introductory Analysis II	
3 advanced hours elective MATH (exclusive of 3033, 3113, 3123, 4033)			3

* 4 hours duplicated in Academic Foundations.

Program Requirements 17 hours

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

Total semester hours 121

Composite Science (Grades 8-12)

Major: Composite Science 44 hours

BIOL	1144	General Zoology	4
BIOL	1544	General Botany	4
BIOL	3054	Principles of Biology I	4
BIOL	3104	Fundamental Genetics	4
Choose 4 hours from:			4
BIOL 3024, 3434, 3534			
GEOS	1134	Physical Geology	4
Choose 4 hours from:			4
GEOS 1234 or ENSC 1114			
GEOS	3034	Oceanography	4
CHEM	2003, 2001	Organic Chemistry	4
PHYS	1144, 1244	General Physics	8

Program Requirement 3 hours

MATH	1433	Plane Trigonometry	3
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Total semester hours 122

Life Science (Grades 8-12)

Major: Biology 31-32 hours

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	3104	Fundamental Genetics	4
BIOL	3534	Systematic Botany	4
BIOL	3434 or 3643	Entomology or Invertebrate Zoology	3-4

Program Requirements 15 hours

CHEM	1143, 1141	General Chemistry	4
CHEM	1243, 1241	General Chemistry	4
CHEM	2003, 2001	Organic Chemistry	4
MATH	1433	Plane Trigonometry	3

Total Semester Hours 121-122

Physical Science (Grades 8-12)

Major: Physical Science 47 hours

CHEM	1143*, 1141*	General Chemistry	4
CHEM	1243*, 1241*	General Chemistry	4
GEOS	1134, 1234	Physical and Historical Geology	8
GEOS	3134	Mineralogy	4
PHYS	1533	Descriptive Astronomy	3
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
Choose	16 advanced hours selected from:		16
	CHEM 3305, 3405		
	PHYS 3313, 3343, 4343		

* 8 hours duplicated in Academic Foundations.

Program Requirements 6 hours

GEOG	3003 or 3013	Geography of the World/Geography of North America	3
MATH	1433	Plane Trigonometry	3

Total semester hours 120

Other Teaching Fields (Grades 8-12)

Students desiring certification in the teaching field of French (all-level) need to confer with the Chair of the field of interest.

French - 26 hours

FREN 1134, 1234, 2133, 2233, 3133, 3233, 3333, 4013.

BUSINESS

Bachelor of Business Administration with Teacher Certification

The program requirements listed are those in effect at the time this catalog was published. Changes may be mandated by THECB, Texas Education Agency, or MSU-TEC. Students should contact the West College of Education for information regarding program changes.

Academic Foundations and Core Curriculum	47 hours
plus additional requirements	

ENGL	1113, 1123	6
SPCH	1133 or 2423	3
HIST	1133, 1233	6
POLS	1333, 1433	6
	Natural Sciences - two laboratory courses	6
MATH	1233 or 1203	3
MIS	2003	3
	Humanities	6
	Fine Arts - 3 hours from art, music, or theatre, or MCOM 2213	3
SOCL	1133 or PSYC 1103	3
EXPH	2 activity courses	2

Major in General Business	51 hours
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ACCT	2143	Financial Accounting	3
ACCT	2243	Managerial Accounting	3
BUAD	1033	Introduction to Business	3
BUAD	3033	Business and Economic Statistics	3
BUAD	3323	Business Ethics	3
ECON	2333	Macroeconomics Principles	3
ECON	2433	Microeconomic Principles	3
FINC	3733	Business Finance	3
LSBA	3233	Legal Environment of Business	3
MGMT	3013	Organizational Behavior in Business	3
MGMT	3453	Operations Management	3
MGMT	4853	Strategic Management	3
MIS	3003	Management Information Systems	3
MKTG	3723	Principles of Marketing	3
		Choose 9 hours from the following:	9
	ACCT	3003 Accounting Applications	
	ECON	3323 Intermediate Macroeconomics	
	ECON	3333 Intermediate Microeconomics	

ECON	4723	Comparative Economic Systems
FINC	3353	Financial Markets and Institutions
LSBA	3243	Commercial Law
MGMT	4213	Human Resource Management
MGMT	4613	Supervisory Management
MIS	3203	Electronic Commerce
MKTG	3763	Professional Selling

Professional Education for Secondary Certification	23 hours
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EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
EDUC	3162	Classroom Management	2
EDUC	4113	Planning and Assessment for Secondary Education and All-Level	3
EDUC	4466	Student Teaching in the Secondary School	6
READ	4273	Content Reading	3
SPED	3613	Exceptional Individuals	3

Total Semester Hours	121
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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, Texas Education Agency, or MSU-TEC. Students should contact the West College of Education for information regarding program changes.

All-Level Certification is available in five disciplines for students who wish to teach grades EC - 12.

BFA:	Art All-Level	BM:	Music All-Level
BA:	Kinesiology All-Level	BA:	Spanish All-Level
BS:	Kinesiology All-Level	BFA:	Theatre All-Level

ART

Bachelor of Fine Arts with Teacher Certification

Art All-Level

The Bachelor of Fine Arts degree with teacher certification is a studio-intensive program that prepares students to teach art at all levels (K-12) in public and private educational institutions.

Academic Foundations and Core Curriculum plus additional requirements	44 hours
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ENGL	1113, 1123	6
SPCH	1133, 1233, or 2423	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences	- two laboratory courses	6
MATH	1233	3
Fine Arts – ART	1113	3

Humanities - met by courses required in major	0
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333 or 2433	3
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)	2
EDUC 1023, or demonstrate computer proficiency through department exam.	3

Major in Art**66 hours**

ART 1113*, 1123 2-D Design and 3-D Design	6
ART 1313, 1323 Drawing I and II	6
ART 2013 Photography I	3
ART 2153 Printmaking I	3
ART 2313 Painting I	3
ART 2523 Sculpture I	3
ART 2613 Ceramics I	3
ART 2813 Metals I	3
ART 4303 Foundations of Art Education I	3
ART 4403** Foundations of Art Education II (must be taken concurrently with EDUC 3162)	3
ART 3413, 3423 History of World Art I and II	6
Art History Elective (non-Western)	3
Art History Elective	3
Studio Area (18 hours – 9 hours of three-dimensional and 9 hours of two-dimensional studio classes):	18
Three-Dimensional:	
ART 3523, 3533, 4553 - Sculpture	
ART 3603, 3613, 4603 - Ceramics	
ART 3813, 3823, 4813 - Metals	
Two-Dimensional:	
ART 3303, 3323, 4313 - Painting	
ART 3143, 3153, 4143 - Printmaking	
ART 3013, 3023, 4013 - Photography	
ART 3703, 3713, 4703 - Graphic Design	
ART 3213, 4213, 4223 - Drawing	
ART 4113, 4123 Photography in Great Britain	
ART 4163 Domestic/International Field Study	
ART 4513 Exhibition and Presentation Methods	
ART 4543 Topics in Studio Art	
ART 4923 Senior Exhibition	
ART 4933 Visual Arts Apprenticeship	

*3 hours duplicated in Academic Foundations.

**3 hours duplicated in Professional Education.

Professional Education for Secondary Certification**23 hours**

EDUC 2013 School and Society	3
EDUC 3153 Educational Psychology	3
EDUC 3162 Classroom Management (must be taken concurrently with ART 4403)	2
EDUC 4173 Student Teaching, Elementary, All-Level	3
EDUC 4473 Student Teaching, Secondary, All-Level	3
READ 4273 Content Reading	3
SPED 3613 Exceptional Individuals	3

ART	4403	Foundations of Art Education II (must be taken concurrently with EDUC 3162)	3
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Total Semester Hours **127**

KINESIOLOGY

Bachelor of Arts with Teacher Certification (Grades EC-12, All-Level)

Academic Foundations and Core Curriculum
plus additional requirements **44 hours**

ENGL	1113, 1123	6
	6 hours sophomore literature	6
SPCH	1133 or 2423	3
MATH	1233	3
BIOL	1134	4
BIOL	1144 or 1234 or 1544	4
HIST	1133, 1233	6
POLS	1333, 1433	6
	Fine Arts (art, music, theatre) or MCOM 2213	3
	Choose 3 hours from the following courses:	3
	PSYC 1103 General Psychology	
	SOCL 1133 Introduction to Sociology	
	ECON 1333 General Economics	
	ECON 2333 Macroeconomics	
	ECON 2433 Microeconomics	

Additional General Requirements **17 hours**

EDUC 1023, or demonstrate computer proficiency through department exam.	3
Foreign Language - 2 years of one foreign language	14

Major in Kinesiology **33 hours**

ATRN	1073	Care and Prevention of Athletic Injuries	3
EXPH	2503	Physiology of Sport and Fitness	3
KNES	1503	Concepts of Fitness and Wellness	3
KNES	3323	Coaching Theory & Practice	3
KNES	3333	Outdoor Education	3
KNES	3353	Officiating	3
KNES	3363	Motor Skill Acquisition and Analysis	3
KNES	3423*	Team Sports	3
KNES	3433*	Individual and Dual Sports	3
KNES	4033	Sport and Exercise Psychology	3
KNES	4663	Fundamentals of Elementary Physical Education	3

* Meets 2 activities requirement for core.

Professional Education for All-Level Certification **23 hours**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology (Block 1)	3
KNES	4513	Adapted Physical Activity (Block 1)	3

EDUC	3162	Classroom Management (Block 2)	2
EDUC	4113	Planning and Assessment for Secondary Education and All-Level (Block 2)	3
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
READ	4273	Content Reading	3

Elective **3 hours**

Total Semester Hours **120**

KINESIOLOGY

Bachelor of Science with Teacher Certification

(Grades EC-12, All-Level)

Academic Foundations and Core Curriculum

plus additional requirements **47 hours**

ENGL	1113, 1123	6
6 hours	sophomore literature or humanities	6
SPCH	1133 or 2423	3
MATH	1233; 1433 or STAT 3573	6
BIOL	1134	4
BIOL	1144 or 1234 or 1544	4
HIST	1133, 1233	6
POLS	1333, 1433	6
Fine Arts	(art, music, theatre) or MCOM 2213	3
Choose 3 hours	from the following courses:	3
	PSYC 1103 General Psychology	
	SOCL 1133 Introduction to Sociology	
	ECON 1333 General Economics	
	ECON 2333 Macroeconomics	
	ECON 2433 Microeconomics	

Additional General Requirements **11 hours**

EDUC 1023, or demonstrate computer proficiency through department exam.	3
Sciences - two laboratory courses of same discipline - not biology	8

Major in Kinesiology **33 hours**

ATRN	1073	Care and Prevention of Athletic Injuries	3
EXPH	2503	Physiology of Sport and Fitness	3
KNES	1503	Concepts of Fitness and Wellness	3
KNES	3323	Coaching Theory & Practice	3
KNES	3333	Outdoor Education	3
KNES	3353	Officiating	3
KNES	3363	Motor Skill Acquisition and Analysis	3
KNES	3423*	Team Sports	3
KNES	3433*	Individual and Dual Sports	3
KNES	4033	Sport and Exercise Psychology	3
KNES	4663	Fundamentals of Elementary Physical Education	3

* Meets 2 activities requirement for core.

Professional Education for All-Level Certification **23 hours**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology (Block 1)	3
KNES	4513	Adapted Physical Activity (Block 1)	3
EDUC	3162	Classroom Management (Block 2)	2
EDUC	4113	Planning and Assessment for Secondary Education and All-Level (Block 2)	3
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
READ	4273	Content Reading	3

Electives **6 hours**

Total Semester Hours **120**

MUSIC

Bachelor of Music with Teacher Certification

Music All-Level, Vocal Emphasis

The Bachelor of Music degree with teacher certification focuses on preparing students for careers in music education and certification by the Texas Board of Education (K-12, all-area).

Academic Foundations and Core Curriculum **47 hours**

ENGL	1113, 1123	6
SPCH	1133, 1233, or 2423	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences - two laboratory courses		6
MATH	1233	3
Fine Arts – MUSC 1603		3
Humanities – MUSC 3733, 3743		6
SOCL	1133 or PSYC 1103	3
ECON	1333 or 2333 or 2433	3
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)		2

Computer Competency Requirement **3 hours**

EDUC 1023, or demonstrate computer proficiency through department exam.	3
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Major in Music **64-68 hours**

MUSC	1601, 1603*	Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC	1611, 1613	Elem Sight-Singing & Ear Training/Music Theory II	4
MUSC	2603	Music Theory III	3
MUSC	2613	Music Theory IV	3
MUSC	3632	Analysis of Musical Form	2
MUSC	3662	Orchestration	2
MUSC	3723	World Music Literature	3
MUSC	3733*	Music History I	3
MUSC	3743*	Music History II	3

MUSC	4843	Basic Conducting	3
MUSC	4863	Choral Conducting	3
MUSC	3893	Music Technology	3
MUSC	3141	Woodwind Instruments Class	1
MUSC	3161	Brass Instruments Class	1
MUSC	3181	String Instruments Class	1
MUSC	3291	Percussion Instruments Class	1
MUSC	4823	Foundations of Music II	3
MUSC	4873**	Foundations of Music III (must be taken concurrently with EDUC 3162)	3
AMUS	1201, 3201	Voice (4 semesters at 1000-level; 2 semesters at 3000-level)	6
AMUS	4961	Senior Recital	1
MUSC	1001, 3001	University Singers (4 semesters at 1000-level; 3 semesters at 3000-level)	7
MUSC	1000	Recital Attendance (7 semesters)	0
MUSC	1211, 1221	Diction I and II	2
MUSC	3862	Choral Literature	2
Piano Proficiency (sufficient hours to pass proficiency examination):			0-4
MUSC 1111/1121, AMUS 1231 Beginning Piano/Piano Class/Piano Proficiency			

* 9 hours duplicated in Academic Foundations.

** 3 hours duplicated in Professional Education.

Professional Education for All-Level Certification 23 hours

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3
EDUC	3162	Classroom Management (must be taken concurrently with MUSC 4873)	2
READ	4273	Content Reading	3
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
MUSC	4873	Foundations of Music III (must be taken concurrently with EDUC 3162)	3

Total Semester Hours 125-129

MUSIC

Bachelor of Music with Teacher Certification

Music All-Level, Instrumental Emphasis

The Bachelor of Music degree with teacher certification focuses on preparing students for careers in music education and certification by the Texas Board of Education (K-12, all-area).

Academic Foundations and Core Curriculum 45 hours

ENGL	1113, 1123	6
SPCH	1133, 1233, or 2423	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences - two laboratory courses		6

MATH	1233	3
Fine Arts – MUSC	1603	3
Humanities – MUSC	3733, 3743	6
SOCL	1133 or PSYC 1103	3
ECON	1333 or 2333 or 2433	3
Exercise Physiology (normally met by 2 semesters of marching band)		0

Computer Competency Requirement **3 hours**

EDUC 1023, or demonstrate computer proficiency through department exam.	3
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Major in Music **61-65 hours**

MUSC	1601, 1603*	Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC	1611, 1613	Elem Sight-Singing & Ear Training/Music Theory II	4
MUSC	2603	Music Theory III	3
MUSC	2613	Music Theory IV	3
MUSC	3632	Analysis of Musical Form	2
MUSC	3662	Orchestration	2
MUSC	3723	World Music Literature	3
MUSC	3733*	Music History I	3
MUSC	3743*	Music History II	3
MUSC	4843	Basic Conducting	3
MUSC	4853	Instrumental Conducting	3
MUSC	3893	Music Technology	3
MUSC	3141	Woodwind Instruments Class	1
MUSC	3161	Brass Instruments Class	1
MUSC	3181	String Instruments Class	1
MUSC	3281	Voice Class	1
MUSC	3291	Percussion Instruments Class	1
MUSC	4823	Foundations of Music II	3
MUSC	4873**	Foundations of Music III	3
(must be taken concurrently with EDUC 3162)			
Applied Music (4 semesters at 1000-level; 2 semesters at 3000-level)			6
AMUS	4961	Senior Recital	1
MUSC: Major Ensemble (4 lower-level hours, 3 upper-level hours)			7
MUSC	1000	Recital Attendance (7 semesters)	0
Piano Proficiency (sufficient hours to pass proficiency examination):			0-4
MUSC 1111/1121, AMUS 1231		Beginning Piano/Piano Class/Piano Proficiency	

* 9 hours duplicated in Academic Foundations.

** 3 hours duplicated in Professional Education.

Professional Education for All-Level Certification **23 hours**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3
EDUC	3162	Classroom Management	2
(must be taken concurrently with MUSC 4873)			
READ	4273	Content Reading	3
EDUC	4173	Student Teaching, Elementary, All-Level	3
EDUC	4473	Student Teaching, Secondary, All-Level	3
MUSC	4873	Foundations of Music III	3
(must be taken concurrently with EDUC 3162)			

Total Semester Hours

120-124

SPANISH

Bachelor of Arts with Teacher Certification (Grades EC-12, All-Level)

Academic Foundations and Core Curriculum 47 hours plus additional requirements

ENGL	1113, 1123	6
MATH	1233	3
Humanities - met by courses required in major (SPAN 1134/1234)		8
Sciences - two laboratory courses		6
HIST	1133, 1233	6
ECON	1333 or 2333 or 2433	3
POLS	1333, 1433	6
PSYC	1103 or SOCL 1133	3
SPCH	1133 or 2423	3
Fine Arts		3

Additional General Requirements 5 hours

EDUC 1023, or demonstrate computer proficiency through department exam.	3
EXPH 2 activity courses	2

Major in Spanish 38 hours

SPAN	1134* Elementary Spanish I	4
SPAN	1234* Elementary Spanish II	4
SPAN	2133 Intermediate Spanish I	3
SPAN	2233 Intermediate Spanish II	3
SPAN	3013 or 3023 Spanish Civilization or Spanish American Civilization	3
SPAN	3003 Introduction to Hispanic Literature	3
SPAN	3333 Conversation and Composition	3
SPAN	4433 Advanced Comprehensive Skills	3
6 hours from: SPAN 3133, 3233, 3533, or 3633		6
SPAN	4133 or 4233 Advanced Oral Expression or Advanced Grammar and Composition	3
3 hours SPAN electives		3

* 8 hours duplicated in Academic Foundations.

Professional Education for All-Level Certification 23 hours

EDUC	2013 School and Society	3
EDUC	3153 Educational Psychology	3
EDUC	3162 Classroom Management	2
EDUC	4113 Planning and Assessment for Secondary Education and All-Level	3
EDUC	4173 Student Teaching, Elementary, All-Level	3
EDUC	4473 Student Teaching, Secondary, All-Level	3
READ	4273 Content Reading	3
SPED	3613 Exceptional Individuals	3

Minor 18 hours

Total Semester Hours 123

THEATRE

Bachelor of Fine Arts with Teacher Certification

(Grades EC-12, All-Level)

The purpose of the Bachelor of Fine Arts degree with teacher certification is to prepare the student to teach and produce theatre in primary, middle, or secondary school settings.

Academic Foundations and Core Curriculum 47 hours

ENGL	1113, 1123	6
SPCH	1233	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences - two laboratory courses		6
MATH	1233	3
Fine Arts – THEA 1403		3
Humanities – THEA 2433, 2443		6
SOCL	1133 or PSYC 1103	3
ECON	1333, 2333, or 2433	3
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)		2

Computer Competency Requirement 3 hours

EDUC 1023, or demonstrate computer proficiency through department exam. 3

NOTE: *A grade of D will not be accepted to meet requirements for the Theatre Core, the Acting/Directing Emphasis, or the Design/Technology Emphasis.*

Theatre Core Requirements 41 hours

SPCH	1233*	Voice and Diction	3
THEA	1403*	Introduction to Acting	3
THEA	1513	Stagecraft	3
THEA	1613	Performance Makeup	3
THEA	2121	Rehearsal and Production (4 semesters of enrollment)	4
THEA	2433*	Theatre History I	3
THEA	2443*	Theatre History II	3
THEA	3003	Contemporary Theatre	3
THEA	3013	Costume Construction	3
THEA	3121	Advanced Rehearsal and Production (2 semesters of enrollment)	2
THEA	3423	Script Analysis	3
THEA	3433	Principles of Directing	3
THEA	4142	Theatre Apprenticeship	2
THEA	4483	Collaborative Play Production	3

* 12 hours duplicated in Academic Foundations.

Emphasis Requirements**OPTION I: Acting/Directing Emphasis** **23 hours****Required Courses:**

THEA	2113	Stage Movement	3
THEA	2122	Dance for the Theatre	2
THEA	3123	Advanced Movement	3
THEA	3393	Advanced Acting	3
THEA	4213	Voice for the Theatre and Stage Dialects	3
THEA	4223	Period Style and Movement	3

Selective Courses - 6 hours from: **6**

THEA	3353	Theatre Graphics
THEA	3473	Performance Lighting
THEA	3493	Performance Sound
THEA	4363	Scene Design
THEA	4373	Costume Design

OPTION II: Design/Technology Emphasis **24 hours****Required Courses:**

ART	1313	Drawing I	3
THEA	3353	Theatre Graphics	3
THEA	3473	Performance Lighting	3
THEA	3493	Performance Sound	3
THEA	4363	Scene Design	3
THEA	4373	Costume Design	3

Selective Courses - 6 hours from: **6**

THEA	2113	Stage Movement
THEA	3393	Advanced Acting
THEA	4213	Voice for the Theatre and Stage Dialects

Education Requirements **23 hours**

EDUC	2013	School and Society	3
EDUC	3153	Educational Psychology	3
SPED	3613	Exceptional Individuals	3
EDUC	3162	Classroom Management	2
EDUC	4113	Planning and Assessment for Secondary Education and All-Level	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:

Acting/Directing Emphasis with Teacher Certification	125
Design/Technology Emphasis with Teacher Certification	126

COURSES IN BILINGUAL EDUCATION (EDBE)

3213. **Concepts/Foundations of Bilingual & Multicultural Education** 3(3-0)
The historical, legal, legislative, and global contexts of bilingual education as well as models of bilingual education, including characteristics and goals of various types of bilingual education programs.
3313. **Methods and Materials in Bilingual Education** 3(3-0)
Curriculum, methods, and materials for bilingual education including instructional techniques, materials, evaluations, and classroom management.
4303. **Second Language Acquisition** 3(3-0)
Established principles and recent developments in second language acquisition and their educational applications.
4323. **Reading & Language Arts in Bilingual Education** 3(3-0)
Methods and materials for teaching the language arts and reading in Spanish.
4333. **Assessment in Bilingual Education** 3(3-0)
Methods of assessing oral and written language and reading to plan and implement literacy instruction in the bilingual classroom.

COURSES IN COUNSELING (COUN)

2023. **Human Development** (TCCNS = TECA 1354) 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.
4913. **Special Topics in Counseling** 3(2-2)
Topic as announced. Major project and/or field study with group sharing and analysis.

COURSES IN EARLY CHILDHOOD EDUCATION (ECED)

3103. **Introduction to Young Children** 3(2-2)
An introductory overview of the field including a study of the history of early childhood education. Emphasis on characteristics of young children and their needs, types of programs, 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: ECED 3103.
Planning the learning environment, developing learning activities, organizing the school day, and interpreting children's growth to parents. Emphasis on developmentally appropriate practice. Field experience required.

COURSES IN EDUCATION (EDUC)

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 (TCCNS = EDUC 1301) 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)

Prerequisites: COUN 2023, EDUC 2013.

Concepts of learning theory and applications, motivation, and measurement and evaluation. Field experience arranged through the instructor.

3162. Classroom Management (former EDUC 3163) 2(1-2)

Co-requisite: Must have concurrent enrollment in EDUC 4106 or 4113.

The management of the classroom to optimize student learning. The development of management skills such as active listening, reality therapy, and conflict resolution.

4102. Teaching Science in Elementary School 2(1-2)

Prerequisites: EDUC 3153, SPED 3613, and two science courses. Concurrent enrollment in EDUC 3162, 4202, and 4302.

Assessment and models of instructional planning in science, emphasis on learning with technology and the models of instruction. Field experience required.

4113. Planning and Assessment for Secondary Education and All-Level 3(3-0)

Prerequisite: EDUC 3153 or concurrent enrollment.

Co-requisite: Must have concurrent enrollment in EDUC 3163.

Models of instructional planning and assessment strategies for teaching in the secondary schools with emphasis on learning with technology.

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.

4202. Teaching Math in Elementary School 2(1-2)

Prerequisites: EDUC 3153, SPED 3613, and two required math courses. Concurrent enrollment in EDUC 3162, 4202, and 4302.

Assessment and models of instructional planning in math, emphasis on learning with technology and the models of instruction. Field experience required.

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.

4263. Student Teaching in Bilingual Classroom 3 semester hours

Prerequisites: Senior standing and approval of the dean.

Teaching under supervision in a public elementary school bilingual classroom; meets full day for six weeks, including orientation; orientation and supervision by college instructor.

4302. Teaching Social Studies in Elementary School 2(1-2)

Prerequisites: EDUC 3153 and SPED 3613. Concurrent enrollment in EDUC 3162, 4102, and 4202.

Assessment and models of instructional planning in social studies, emphasis on learning with technology and the models of instruction. Field experience required.

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.

4903. Independent Study in Education 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.

4913. Special Topics in Education 3(2-2)

Topic as announced. Major project and/or field study with group sharing and analysis.

COURSES IN READING EDUCATION (READ)**3013. Child and Adolescent Literature** (formerly ENGL 3013) 3(3-0)

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, 3162, 4102, 4202, and 4302. Concurrent enrollment in READ 4213.

Literacy theory and developmental stages of literacy. Planning and organizing for scientifically-based reading instruction including: phonological/phonemic awareness, phonics, comprehension, vocabulary, and fluency.

4213. Methods of Teaching Reading and the Language Arts 3(2-2)

Prerequisites: EDUC 3153, 3162, 4102, 4202, and 4302. Concurrent enrollment in READ 4203.

Planning and organizing for the integrated teaching of scientifically-based reading and language arts (i.e., listening, talking, reading, writing, viewing, visually representing) instruction within the context of the content areas.

4223. Diagnosis and Correction of Reading Difficulties 3(2-2)

Prerequisite: READ 4203 or 4273, or concurrent enrollment in READ 4203.

Evidence-based 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.

4913. Special Topics in Reading 3(2-2)

Topic as announced. Major project and/or field study with group sharing and analysis.

COURSES IN SPECIAL EDUCATION (SPED)

3313. Teaching Strategies for Cognitive Disorders 3(2-2)

Prerequisites: SPED 4113, 4123, and concurrent enrollment in SPED 4313.

Strategies for teaching children and adolescents with mild disabilities. Focus on content area learning incorporating formative assessment and planning procedures. Thirty hours field experience required.

3613. Exceptional Individuals 3(2-2)

Prerequisites: Sixty or more semester hours and concurrent enrollment in EDUC 3153.

A study of the etiology of and concepts relating to exceptional individuals. Field experience included.

4113. Foundations of Special Education 3(3-0)

Prerequisites: Sixty or more semester hours and concurrent enrollment in SPED 4123.

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)

Prerequisites: Sixty or more semester hours and concurrent enrollment in SPED 4113.

Introduction to data-based decision making through monitoring student progress and designing scientifically-based instruction through the use of formative assessment strategies. Includes statistical concepts, norm-referenced summative assessment, standardized test interpretation, and the development of Individualized Education Plans.

4313. Tier III Reading Strategies 3(3-0)

Prerequisites: SPED 4113 and 4123.

Scientifically-based reading instruction in the explicit, sequential, systematic, teaching of decoding skills, fluency, and phonemic awareness for students with dyslexia and other reading-related learning disabilities.

4513. Teaching Strategies for Affective Disorders 3(3-0)

Using evidence-based interventions to address the needs of students with affective disorders with an emphasis on creating specialized individualized systems of support; includes social skills training, functional behavior assessment. Includes nature and needs of students with emotional/behavioral disorders, and legal issues related to the education of such students. One hour per week field experience required.

4523. Vocational/Transitional Education 3(2-2)

Prerequisites: SPED 3313 and 4313.

Multidimensional transition planning and the use of research-supported strategies for preparing adolescents with mild to moderate disabilities for adult life. Includes field experience and advocacy for persons with disabilities. Thirty hours field experience required.

4533. Early Childhood Special Education 3(3-0)

Prerequisites: SPED 3313 and 4313.

Development of transdisciplinary Individual Family Service Plans and Strategies for promoting the development of infants and young children with moderate disabilities. Fifteen hours field experience required.

4903. Independent Study in Special Education 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.

4913. Special Topics in Special Education 3(2-2)

Topic as announced. Major project and/or field study with group sharing and analysis.

KINESIOLOGY

MISSION STATEMENT FOR THE KINESIOLOGY PROGRAM

The Kinesiology Program offers degree options designed to prepare students for a variety of career opportunities in physical activity and sport and leisure services. The courses and experiences offered enable graduates to successfully enter teaching, coaching, leadership, and supervisory positions in school and community-based settings. B.A. and B.S. degrees are available for students seeking teacher certification in kinesiology. B.A. and B.S. degrees with a major in Sport and Leisure Studies are offered to students pursuing leadership and supervisory positions in sport, recreation, and leisure services.

KINESIOLOGY MAJOR

BACHELOR OF SCIENCE and BACHELOR OF ARTS Teacher Certification

The requirements for the Bachelor of Arts and Bachelor of Science degrees with a major in kinesiology are as follows:

See page 155 in the Education section for specific course requirements in Academic Foundations and Core Curriculum, Bachelor of Science and Bachelor of Arts requirements, and teacher certification requirements.

Major (33 semester hours)

ATRN 1073, EXPH 2503, KNES 1503, 3323, 3333, 3353, 3363, 3423, 3433, 4033, 4663

Additional General Requirements (3 semester hours)

EDUC 1023, CMPS 1013, or 1033, or demonstrate computer proficiency through department exam.

KINESIOLOGY MINOR**Emphasis I: Kinesiology** (18 semester hours)

KNES 1503, 3363, 3423, 3433, 4663, EXPH 2503

Emphasis II: Coaching (18 semester hours)

KNES 3323, 3353, 3363, 4033, ATRN 1073, EXPH 2503

Emphasis III: Recreation & Fitness (18 semester hours)

KNES 1503, 3103, 3203, 3353, 4033, EXPH 2503

SPORT AND LEISURE STUDIES MAJOR

The requirements for the Bachelor of Arts degree and Bachelor of Science degree with a major in Sport and Leisure Studies are as follows:

General (see page 89)

Academic Foundations and Core Curriculum - 54-55 semester hours (See page 91)

Bachelor of Arts (See page 93)

Bachelor of Science (See page 93)

Major (56 semester hours for Bachelor of Arts and 57 semester hours for Bachelor of Science) MWSU 1233; 2 (B.A.) or 3 (B.S.) semester hours of lower level activity credit beyond MSU core requirements (may include 1-, 2-, or 3-hour lower level activity oriented courses, EXPH 2002, KNES 2102, THEA 2122); 6 semester hours chosen from KNES 3103, 3333, 3423, 3433, THEA 3123; 3 semester hours of sociology beyond MSU core requirements (SOCL 1133 or 2233); KNES 1503, EXPH 2503, KNES 3203, 3353, 3363, 4033, 4973, SOCL 4133, 4233; 15 semester hours of advanced electives approved by program coordinator (minimum of 9 semester hours must be discipline specific – for example Kinesiology, Exercise Science, Recreation and Leisure, Health, Athletic Training; a maximum of 6 semester hours may be discipline related – for example Education, Theatre, Mass Communication, Business, Management, Marketing)

COURSES IN KINESIOLOGY (KNES)**1213. Concepts of Healthy Living** 3(3-0)

Examination of the health status of children and the development of children's health beliefs and behaviors.

1503. Concepts of Fitness and Wellness 3(3-0)

Examination of basic concepts and principles for improving and maintaining health and well-being across the lifespan. Assessment of physical fitness status is required, and individualized training and conditioning plans will be designed and implemented.

2102. Movement Activities for Children 2(1-2)

Designed to acquaint the student with practical knowledge and skills leading to a va-

riety of games and activities for children. Satisfies the exercise physiology activities requirement.

3103. Fitness and Conditioning Activities 3(3-0)

Theory and practice course designed to prepare fitness instructors for commercial, educational, and clinical settings. Satisfies the exercise physiology activities requirement.

3203. Program Planning in Recreation and Leisure Services 3(3-0)

Exploration, discussion, and practical applications of topics and issues relevant to fitness, recreation, and leisure programs.

3323. Coaching Theory and Practice 3(3-0)

Philosophical, ethical, pedagogical and administrative aspects of coaching youth, interscholastic and intercollegiate sports.

3333. Outdoor Education (formerly 4333) 3(3-0)

Introduction to leisure activities emphasizing personal growth, leadership skills, and teamwork in outdoor recreational settings (i.e., mountain biking, orienteering, sailing, camping, rock climbing, rappelling, etc.).

3353. Officiating (formerly 2353) 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.

3363. Motor Skill Acquisition and Analysis (formerly 2363) 3(3-0)

Developmental characteristics and biomechanical analysis of motor skills from initial fundamental motor patterns to application in physical activity and sport.

3423. Team Sports 3(3-0)

Introduction to selected team sports and activities. Rules, skills, strategies, progressions, and analysis techniques. Demonstration of skill competency and physical fitness status required. Satisfies the exercise physiology activities requirement.

3433. Individual and Dual Sports 3(3-0)

Introduction to selected individual/dual sports and activities. Rules, skills, strategies, progressions, and analysis techniques. Demonstration of skill competency and physical fitness status required. Satisfies the exercise physiology activities requirement.

4033. Sport and Exercise Psychology 3(3-0)

Introduction to the psychosocial dynamics involved in sport and exercise performance.

4513. Adapted Physical Activity 3(3-0)

Program development, instructional practices and modification of activities, equipment and facilities relative to persons with disabilities will be examined. Field experience required.

4663. Fundamentals of Elementary Physical Education 3(2-2)

Examination of the principles and skills associated with planning and implementing developmentally appropriate games and activities for school-age children. Demonstration of skill competency and physical fitness status required.

4973. Leadership in Recreation and Leisure Services 3(1-5)

Prerequisites: Senior standing, grade of C or better in EXPH 2503, KNES 3203, 3363, 4033, 4513, and satisfaction of the Writing Proficiency Requirement (see page 90). Proof of background check required prior to enrollment.

Structured learning experience designed for students to observe professionals in the field, demonstrate leadership and organizational skills, develop professional contacts,

and accumulate practical experiences beneficial for employment and career advancement.

4991, 4992, 4993. **Independent Study in Kinesiology** 1-3 semester hours

Prerequisites: Junior or senior standing and permission of instructor and program coordinator.

Supervised reading and research associated with current issues in kinesiology, sport, recreation, and leisure.



LAMAR D. FAIN COLLEGE OF FINE ARTS

Ron 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 twofold mission designed to produce graduates who are both competent professionals and sensitive, reliable, constructive citizens.

THE JUANITA AND RALPH HARVEY SCHOOL OF VISUAL ARTS

Nancy Steele-Hamme, Chair (Fain Fine Arts Center C104)

Professors: Goldberg, Yarosz-Ash

Associate Professors: Hiraide, Steele-Hamme

Assistant Professors: Hilton, Prose, Yucus

Professors Emeriti: Ash, Davis

MISSION STATEMENT FOR THE ART PROGRAM

The Juanita and Ralph Harvey School of Visual Arts 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 productive members of the global society and responsible professionals committed to excellence.

Three degree programs are offered for art majors:

Bachelor of Fine Arts in Art

A studio-intensive professional degree program that prepares students for a variety of art and art-related careers, prepares students for graduate study, and provides the basis for further personal research and study.

Bachelor of Fine Arts degree with Teacher Certification, see page 153

A studio-intensive professional degree program that prepares students to teach art at all levels (K-12) in public and private educational institutions.

Bachelor of Arts in Art

Students major in art and select a second emphasis (minor) in another discipline, allowing the flexibility of designing a comprehensive liberal arts curriculum that prepares the student for graduate study or for entrepreneurial careers in the visual arts.

Students who are unsure about which program to choose do not have to decide immediately. Because these degree options share the same core art courses and some electives there will be time to gain some experience before having to choose a specific academic path to follow. An academic advisor in art will assist students with this decision.

Non-majors may enroll in studio courses.

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	38-40
plus additional requirements	

ENGL	1113, 1123	6
SPCH	1133, 1233, or 2423	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences	- two laboratory courses	6-8
MATH	1053 or 1233	3
(Students seeking teacher certification should take MATH 1233.)		
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 or 2433	3
Exercise Physiology	(2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)	2

Computer Competency Requirement	0-3
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EDUC	1023, CMPS 1013, 1033, or pass department exam	0-3
(Students seeking teacher certification should take EDUC 1023.)		

Writing Proficiency Requirement

Graduation requirements at Midwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

Major in Art	81
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ART	1113, 1123 2-D Design and 3-D Design	6
ART	1313, 1323 Drawing I and II	6
ART	1333 Computers for Artists	3
ART	3413, 3423 History of World Art I and II	6
Art History Elective	(non-Western)	3
Art History Elective		3

ART	2013	Photography I	3
ART	2153	Printmaking I	3
ART	2313	Painting I	3
ART	2523	Sculpture I	3
ART	2613	Ceramics I	3
ART	2813	Metals I	3
ART	3213 or 4213	Drawing III or IV	3
Major Studio (12 hours of one studio area)			12
Choose from Painting, Printmaking, Ceramics, Metals, Photography, Graphic Design, or Sculpture			
Minor Studio (9 hours of one studio area)			9
Choose from Painting, Printmaking, Ceramics, Metals, Photography, Graphic Design, Sculpture, or Drawing			
Advanced Art Electives (9 hours from any art courses 3000 or above)			9
ART	4923	Senior Exhibition	3

Total Semester Hours 119-124

(If necessary, additional elective hour to bring total to 120.)

BACHELOR OF FINE ARTS WITH TEACHER CERTIFICATION degree requirements

Academic Foundations, Art requirements, and Professional Education requirements are found on page 153.

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			58-60
plus additional requirements			
ENGL	1113, 1123		6
SPCH	1133, 1233, or 2423		3
HIST	1133, 1233		6
POLS	1333, 1433		6
Natural Sciences - two laboratory courses			6-8
MATH	1053 or 1233		3
Fine Arts - met by course required in major			0
Humanities - ENGL sophomore literature or humanities			6
SOCL	1133 or PSYC 1103		3
ECON	1333 or 2333 or 2433		3
Foreign Language – 14 hours of one foreign language			14
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)			2
Computer Competency Requirement			0-3
EDUC	1023, CMPS 1013, 1033, or pass department exam		0-3

Writing Proficiency Requirement

Graduation requirements at Midwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of

coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

Major in Art 42

ART 1113, 1123	2-D Design and 3-D Design	6
ART 1313	Drawing I	3
ART 1333	Computers for Artists	3
ART 3413, 3423	History of World Art I and II	6
	Art History Elective (non-Western)	3
	Art History Elective	3
	Advanced Studio (18 hours - no more than two classes may be taken in any studio area):	18
ART 3013	Photography II	
ART 3023	Photography III	
ART 3143	Printmaking II	
ART 3153	Printmaking III	
ART 3303	Painting II	
ART 3323	Painting III	
ART 3523	Sculpture II	
ART 3533	Sculpture III	
ART 3603	Ceramics II	
ART 3613	Ceramics III	
ART 3703	Graphic Design II	
ART 3713	Graphic Design III	
ART 3813	Metals II	
ART 3823	Metals III	
ART 4033	Visual Arts Apprenticeship	
ART 4113	Photography in Great Britain	
ART 4123	Photography in Great Britain	
ART 4163	Domestic/International Field Study	
ART 4513	Exhibition and Presentation Methods	
ART 4533	Topics in Studio Art	

Minor (minimum of 18 hours) **18**

Total Semester Hours 118-123

(If necessary, additional elective hours to bring total to 120.)

MINORS IN ART

Minors in art are designed for students who have an interest in art or art history but have selected major fields of study in other disciplines. An art major pursuing a B.A. may elect to minor in art history.

REQUIREMENTS FOR A MINOR IN ART (18 semester hours)

Choose one from:

- ART 1113 2-D Design
- ART 1123 3-D Design
- ART 1333 Computers for Artists
- ART 1313 Drawing I
- 3 hours of Advanced Art History
- 9 hours of Advanced Art

REQUIREMENTS FOR A MINOR IN ART HISTORY (18 semester hours)

ART 3413 History of World Art I
 ART 3423 History of World Art II
 12 hours of 4000-level Art History

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/her work after a three-month period, the University will have the right to dispose of it.

COURSES IN ART (ART)**1113. 2-D Design** (TCCNS = ARTS 1311) 3(2-4)

Fundamental elements and principles of 2-dimensional design. Construction, presentation, and rendering skills developed.

1123. 3-D Design (TCCNS = ARTS 1312) 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.

1313. Drawing I (TCCNS = ARTS 1316) 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 (TCCNS = ARTS 1317) 3(2-4)

Prerequisite: ART 1313.

Continuation of 1313 with emphasis on color drawing media and development through both individual and group projects.

1333. Computers for Artists 3(2-4)

Introductory studio experience in the use of the computer as a creative medium. Emphasizes hands-on software training directed towards the art of visual design and aesthetic expression. Topics include digital imaging, motion graphics, editing, and animation. Will also trace the central role played by computers in the field of the electronic arts from pioneering efforts to current trends.

1413. Art Appreciation (TCCNS = ARTS 1301) 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 (TCCNS = ARTS 2356) 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 (TCCNS = ARTS 2333) 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to printmaking. Beginning instruction in one of the following printmaking processes: intaglio, dealing with etching, aquatint, and soft ground. Relief printing methods including linocuts and relief intaglio applications. Screen process printing (serigraphy) dealing with direct photo emulsions. Monoprint and monotype processes.

2313. Painting I (TCCNS = ARTS 2316) 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of 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.

2523. Sculpture I (TCCNS = ARTS 2326) 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to sculpture. Emphasis on exploration of materials through the proper use of appropriate tools and working processes. Beginning instruction in the following: casting (flexible and non-flexible mold making, wax model making, substitution materials in bronze, aluminum, plaster, rubber, and plastic); woodworking (hand and power equipment); metal fabrication (oxyacetylene and electrical welding).

2613. Ceramics I (TCCNS = ARTS 2346) 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.

2713. Graphic Design I, Introduction to Graphic Design (TCCNS = ARTS 2313) 3(2-4)

Prerequisites: ART 1113, 1123, 1323 or consent of instructor.

Introduction to the digital environment including graphic design principles and practices. Experiences in publication design, illustration, web development, photographic programs and time based design. Exploration of the main threads in current graphic design.

2813. Metals I (TCCNS = ARTS 2341) 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. Minimum of four of the following techniques are covered: rivets, soldering, piercing, casting, enameling, raising, die-forming, and stone setting. Also various surface treatments will be explored including etching, stamping, roll milling, inlay, and patinas. Emphasis on design and craftsmanship.

3013. Photography II 3(2-4)

Prerequisite: ART 2013 or consent of 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 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, relief, or serigraphy emphasizing color printing. (See ART 2153 – Printmaking I 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 1323 or consent of instructor.

Emphasis on advanced pictorial attitudes and mixed media production through prolonged drawing problems.

3303. Painting II (formerly 2323) 3(2-4)

Prerequisite: ART 2313 or consent of instructor.

Introduction to a second painting medium with emphasis on skill development and individual exploration of ideas. (See Painting 2313 for media options.)

3323. Painting III (formerly 3333) 3(2-4)

Prerequisite: ART 3303 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)

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 World Art: Survey II 3(3-0)

An introduction to art and architecture as social products of 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 fifteenth century to the present.

3523. Sculpture II (formerly 2823) 3(2-4)

Prerequisite: ART 2523 or consent of instructor.

Continuation of Sculpture I. Emphasis on skill development and individual exploration of ideas.

3533. Sculpture III (formerly 3623) 3(2-4)

Prerequisite: ART 3523 or consent of instructor.

Advanced study in various traditional and nontraditional materials with emphasis on continued individual exploration and skill development.

3603. Ceramics II (formerly 2623) 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.

3613. Ceramics III 3(2-4)

Prerequisite: ART 3603 or consent of 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.

3703. Graphic Design II, Publication Design (formerly 2723) 3(2-4)

Prerequisite: ART 2713 or consent of instructor.

Exploration of the major aspects of print design. Consideration of design issues in newspapers, newsletters, brochures, and advertisement. Special attention to legibility standards and typographical forms in the media. The history of type is integrated into this course.

3713. Graphic Design III, Illustration 3(2-4)

Prerequisite: ART 3703 or consent of instructor.

Illustration in both digital and traditional environments will be introduced as an essential part of overall design. Creation of visual forms utilizing both symbolic and representation solutions. Students will show competencies in several illustration methods.

3813. Metals II 3(2-4)

Prerequisite: ART 2813 or consent of instructor.

The continued development of metalsmithing skills and design in various non-ferrous metals. Minimum of four of the following techniques are covered: rivets, soldering, piercing, casting, enameling, raising, die-forming, and stone-setting.

- 3823. Metals III** 3(2-4)
Prerequisite: ART 3813 or consent of instructor.
Advanced study in various metalsmithing processes and skill development with emphasis on continued individual exploration of design, ideas, and skill development.
- 3913. Professional Practices** 3 (3-0)
Prerequisites: Art majors only. Consent of instructor.
Practical and philosophical aspects concerned with success outside of the academic environment. A survey of information centering on career opportunities, interviewing, business and professional concerns, this course will involve in-class and outside-of-class activities, discussions, and assignments.
- 4013. Photography IV** 3(2-4)
Prerequisite: ART 3023 or consent of 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 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.
- 4113. Photography in Great Britain** 3(3-0)
This is the lecture component of the class where historical and contemporary photographic practices in Great Britain will be addressed. London's museums, galleries, and institutions such as Royal Photographic Society will be utilized; important British photographers will be invited to class to discuss their work. Field trips to various locations such as Stonehenge and Laycock Abbey will be an integral part of the course. Each student will compile a photographic portfolio as a final project.
- 4123. Photography in Great Britain** 3(2-4)
This is the studio component of the class where historical and contemporary photographic practices in Great Britain will be addressed. London's museums, galleries, and institutions such as Royal Photographic Society will be utilized; important British photographers will be invited to class to discuss their work. Field trips to various locations such as Stonehenge and Laycock Abbey will be an integral part of the course. Each student will compile a photographic portfolio as a final project.
- 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.
- 4163. Domestic/International Field Study** 3(2-4)
Prerequisite: Consent of instructor.
Studies away from MSU campus in studio art and art history. Will include preparatory class meetings before travel and at the conclusion of experience. May be repeated for credit when topics and instructors vary.

- 4213. Drawing IV** 3(2-4)
 Prerequisite: ART 1323 or consent of instructor.
 The development of personal attitudes towards drawing. Designed to deal with individual problems and concepts.
- 4223. Drawing V** 3(2-4)
 Prerequisite: ART 4213 or consent of instructor.
 Continuation of ART 4213.
- 4233. Drawing VI** 3(2-4)
 Prerequisite: ART 4223 or consent of instructor.
 Continuation of ART 4223.
- 4303. Foundations of Art Education 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 3323 or consent of instructor.
 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 Education II** 3(2-4)
 Prerequisites: ENGL 1113 and 1123.
 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.
- 4413. Art of the European Renaissance 1300-1600** 3(3-0)
 Art and architecture examined in terms of style, cultural meaning, context, and ideology. Investigation of conditions of art production, change in role of artist, relationship between theory and practice, and the question or concept of Renaissance. Italy, France, Germany, and southern and northern Netherlands.
- 4423. Art in Early Modern Europe I: Art from 1600-1750** 3(3-0)
 Exploration of art and architecture of Europe from the Counter-Reformation shrine of St. Peter to Louis XIV's palace at Versailles; from the Jesuit altarpieces in Antwerp to the Dutch Republic of Vermeer and Rembrandt and more. Italy, Spain, France, Germany, England, Flanders, Netherlands.
- 4433. Art in Early Modern Europe II: Art from 1750-1900** 3(3-0)
 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. Modern and Contemporary Art** 3(3-0)
 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, mar-

keting, 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)

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.

4463. African Art 3(3-0)

Examination of the rich heritage of visual and performing arts across Africa as they shape and have been shaped by the histories and cultural values (social, political, religious, philosophical, aesthetic) of diverse African peoples. Traces histories of change resulting from the impact of outside/Western contact, including colonization, religious conversion, and the availability of new materials and processes.

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.

4533. Topics in the History of Art 3(3-0)

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.

4543. Topics in Studio Art 3(3-0)

Prerequisites: ART 1113, 1123, 1313, 1323 or consent of instructor.

Advanced study of various disciplines of studio art. Studio offerings will be outside of mainstream courses, and will not be credited to established areas of major and minor study. May be repeated for credit when topics and instructors vary. Advanced art hour credit.

4553. Sculpture IV (formerly 3633) 3(2-4)

Prerequisite: ART 3533 or consent of instructor.

Advanced study in various processes with emphasis on combining materials. Stress placed on individual development of ideas and a refinement in techniques and skills.

4563. Sculpture V (formerly 4623) 3(2-4)

Prerequisite: ART 4553 or consent of instructor.

Further emphasis in individual development of techniques and concept. Stress placed on production of works to be included in the Senior Exhibition. May be repeated for credit.

4603. Ceramics IV (formerly 4523) 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.

4613. Ceramics V 3(2-4)

Prerequisite: ART 4603 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.

4703. Graphic Design IV, Time Based Design (formerly 3723) 3(2-4)

Prerequisite: ART 3713 or consent of instructor.

Time based design will be introduced and explored. Production of content in Power Point, Flash, and other similar technologies. Emphasis on solving communication problems. Students will learn design concepts as they apply to this medium.

4713. Graphic Design V, Web Development 3(2-4)

Prerequisite: ART 4703 or consent of instructor.

Introduction to Web development. Utilization of current web programs and development of individual projects. Information hierarchy and visual organization will be a strong theoretical basis for this class. Emphasis on team approaches to solving complex design issues. Creation of content for web and mobile devices.

4733. Graphic Design VI, 3D and Animation (formerly 4723) 3(2-4)

Prerequisite: ART 4713 or consent of instructor.

Exploration of three-dimensional and animation programs. Use of storyboards and skills involving interface design. Special attention to concept design and creative problem solving. May be repeated for credit.

4813. Metals IV 3(2-4)

Prerequisite: ART 3823 or consent of instructor.

Advanced study in various metalsmithing processes with emphasis on combining processes and stressing individual exploration of contemporary metals design and skill development.

4823. Metals 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. Independent Study 3 semester hours

Prerequisites: Nine hours in the field to be investigated.

Individual student scholarship with faculty guidance. May be repeated for credit.

4923. Senior Exhibition 3 (2-4)

Prerequisite: 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 relations practices, and various forms of correspondence and communication. For B.F.A. majors only. To be taken during final semester. Instructor oversees all aspects of every senior exhibition.

4933. Visual Arts Apprenticeship 3 semester hours

Prerequisite: Consent of department chair and instructor.

Practical work experience related to student's career objectives. Students may apprentice under an art faculty specialist or an approved professional in the field. The maintenance of a weekly log, a written report, and a faculty/supervisor evaluation is required. May be repeated in different environments for a total of six hours credit.

MASS COMMUNICATION

James Sernoe, Chair (Fain Fine Arts Center B110)

Associate Professor: Sernoe

Assistant Professors: Gorham, Pruitt

Instructors: Grant, Lewis, Minden

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 that stresses both theoretical principles and practical application of current theory.

BACHELOR OF ARTS degree requirements

The purpose of the mass communication program is to prepare graduates for careers in a multi-faceted media profession, for graduate education, and for life-long learning in a rapidly changing global and technological environment.

The requirements for the degree of Bachelor of Arts with a major in mass communication are as follows:

Academic Foundations and Core Curriculum plus additional requirements	55-57
ENGL 1113, 1123	6
SPCH - met by course required in major	0
HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1053 or 1233	3
Fine Arts - met by course required in major	0
Humanities - ENGL sophomore literature or humanities	6
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333 or 2433	3
Foreign Language – 14 hours of one foreign language	14
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)	2
Computer Competency Requirement	0-3
EDUC 1023, CMPS 1013, 1033, or pass department exam	0-3

Writing Proficiency Requirement

Graduation requirements at Midwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

Major in Mass Communication 39

MCOM	1233	Introduction to Mass Communication	3
MCOM	1243	News Writing and Reporting I	3
MCOM	2213	Appreciation of Film	3
MCOM	3223	Advertising	3
MCOM	3313	Electronic News Gathering	3
MCOM	3613	Television Production	3
MCOM	3733	Media Ethics	3
MCOM	4183	Internship	3
MCOM	4243	Senior Production	3
(A 3.0 grade point average in the major and minor is required prior to enrollment in MCOM 4243.)			
MCOM	4313	Media Management	3
MCOM	4643	Mass Communication Law	3
SPCH	2423	Interpersonal Communication	3
SPCH	3023	Persuasion	3

Minor (Mass communication majors must complete one of the following minors.) 18**Broadcasting:**

MCOM	3623	Mass Communication History
MCOM	4223	Computer Assisted Reporting
MCOM	4263	Broadcast News I
SPCH	1233	Voice and Diction
3 hours from:		
MCOM	4163	Mass Communication Applications
MCOM	4363	Broadcast News II
3 hours from:		
MCOM	4423	Multimedia Design
Any 3000 or 4000 level POLS course		

Journalism:

MCOM	3233	Editing
MCOM	3253	Publication Design
MCOM	3623	Mass Communication History
MCOM	4223	Computer Assisted Reporting
3 hours from:		
MCOM	3133	News Writing and Reporting II
MCOM	3633	Editorial Writing
MCOM	3653	Feature Writing
MCOM	4163	Mass Communication Applications
3 hours from:		
ART	2013	Photography I
MCOM	4323	Web Site Design
MCOM	4423	Multimedia Design

Digital Media:

MCOM	2523	The Internet and Society
MCOM	3253	Publication Design
MCOM	4223	Computer Assisted Reporting
MCOM	4323	Web Site Design
MCOM	4423	Multimedia Design

3 hours from:

- ART 2013 Photography I
- MCOM 3623 Mass Communication History
- MCOM 4163 Mass Communication Applications
- MCOM 4263 Broadcast News I

Public Relations and Advertising:

- MCOM 3233 Editing
- MCOM 4673 Public Relations Writing
- MCOM 4683 Public Relations Principles
- MCOM 4693 Public Relations Campaigns

3 hours from:

- MCOM 3823 Creation of the Advertising Message
- MCOM 4823 Advertising Campaigns

3 hours from:

- MCOM 3253 Publication Design
- MCOM 4323 Web Site Design

Advisor-Approved Electives

3-8

Total Semester Hours

120

Minor in Mass Communication (18 semester hours)

- MCOM 1233 Introduction to Mass Communication
- MCOM 1243 News Writing and Reporting I
- MCOM 3313 Electronic News Gathering

Choose one from:

- MCOM 3223 Advertising
- MCOM 4683 Public Relations Principles

Choose one from:

- MCOM 4313 Media Management
- MCOM 4643 Mass Communication Law

Choose one from:

- MCOM 3253 Publication Design
- MCOM 4223 Computer Assisted Reporting
- MCOM 4323 Web Site Design
- MCOM 4423 Multimedia Design

COURSES IN MASS COMMUNICATION (MCOM)

- 1233. Introduction to Mass Communication** (formerly JOUR 1233) 3(3-0)
(TCCNS = COMM 1307)

Survey of the mass communication process and mass media, including print media, radio/recording, television, Internet, and emerging media. Students will learn about media issues, societal effects and trends.

- 1243. News Writing and Reporting I** (formerly JOUR 1243) 3(2-2)
(TCCNS = COMM 2311)

Prerequisite: Cannot be enrolled concurrently with MCOM 3313.

A workshop course focusing on news reporting and writing techniques used in both traditional print media and Internet publishing. Students will be introduced to the basics of accuracy, clarity, word choice, journalistic style, story structure, and deadlines. Coverage of on-campus news events is supplemented by deadline writing exercises in a classroom laboratory.

2213. Appreciation of Film (TCCNS = COMM 2366) 3(3-0)

The history, theory, and aesthetics of film as artistic expression. Cinematography, editing, script and genres will be emphasized.

2523. The Internet and Society 3(3-0)

Prerequisite: MCOM 1233.

This course examines the personal, academic, media, and business uses of the Internet. It also looks at the mutual interaction of computers and other new technologies, the Internet, society, and the struggles for control/ownership of the World Wide Web and its content.

3133. News Writing and Reporting II (formerly JOUR 3133) 3(2-2)

Prerequisite: MCOM 1243.

News gathering and news writing for complex stories. In-depth reporting and writing are stressed utilizing principles and techniques taught in News Writing and Reporting I.

3223. Advertising 3(3-0)

Prerequisite: Junior standing.

Study of the communication process advertisers use to sell goods, services, and ideas. Emphasis on principles and techniques used to develop campaigns and reach audiences, including the concepts of target marketing, market segmentation, brand positioning, and advertising appeals.

3233. Editing (formerly JOUR 3233) 3(3-0)

Prerequisite: MCOM 1243.

Instruction and practice in reading copy and editing in a variety of formats. Builds upon skills introduced in MCOM 1243.

3253. Publication Design 3(3-0)

Prerequisite: MCOM 1243.

The use of layout and design principles to create eye-appealing and readable newspapers, magazines, newsletters, brochures, and flyers. Theoretical and practical applications of graphics and electronic picture editing are incorporated into the course.

3313. Electronic News Gathering 3(3-0)

Prerequisite: Cannot be enrolled concurrently with MCOM 1243.

This course focuses on the specialized style of journalistic writing used in the broadcast media. This class also provides students with the opportunity to operate cameras and editing equipment, and produce a mini-newscast.

3503. Cross-Cultural Communication 3(3-0)

Prerequisite: Consent of the instructor.

A survey of concepts, issues, and developments in the field of international communication, including the economic, political, structural, and societal contexts in which the communication and information industries interact with their various constituencies.

3513. Special Topics in Mass Communication 3(3-0)

Prerequisite: Consent of the instructor.

Focused seminar dealing with varying subjects in mass media. May be repeated for credit with different topics.

3613. Television Production 3(3-0)

Prerequisite: MCOM 3313.

This course provides students with the opportunity to develop skills in the technical elements of television equipment use and production techniques. Students will take a start-to-finish approach to producing and directing various projects.

3623. **Mass Communication History** (formerly JOUR 3623) 3(3-0)
Prerequisite: MCOM 1233.

Study of the development of mass communication beginning with early attempts at print media and continuing to present developments. Emphasis on connecting events of their time with events of today and understanding developments within their political, social, economic, and cultural contexts.

3633. **Editorial Writing** (formerly JOUR 3633) 3(3-0)
Prerequisite: MCOM 1243.

The study and writing of editorials, opinion pieces, and personal columns for newspapers, magazines, and digital media.

3653. **Feature Writing** (formerly JOUR 3653) 3(3-0)
Prerequisite: MCOM 1243.

Analysis and writing of feature stories for newspapers, magazines, and digital media. Ideas, information gathering, and story structure are emphasized.

3733. **Media Ethics** 3(3-0)
Prerequisites: MCOM 1233 and junior standing.

Study of ethical philosophies and their applications to current and historical situations involving the mass media.

3823. **Creation of the Advertising Message** 3(3-0)
Prerequisite: MCOM 3223.

Application of advertising principles and techniques to develop an advertising campaign creative strategy and creative executions for different media. Ad concept development, design, and copywriting will be emphasized.

4163. **Mass Communication Applications** 3 semester hours
Prerequisites: MCOM 1243, 3313, and consent of the instructor.

Writing for campus newspaper and/or campus television station in a professional atmosphere. May be repeated once for credit.

4173. **Independent Study in Mass Communication** 3 semester hours
Prerequisite: Consent of instructor.

Individual student scholarship with faculty guidance. May be repeated for credit.

4183. **Internship** (formerly JOUR 4123) 3 semester hours
Prerequisites: MCOM 1243, 3313, junior standing, and consent of instructor.

Practical experience in a professional setting. Student must complete at least 120 hours of hands-on work for the employer. Must have department internship coordinator's consent before beginning internship. May be repeated once for credit with a different employer.

4223. **Computer Assisted Reporting** 3(2-2)
Prerequisites: MCOM 1243, 3313.

The use of computers, databases, and the Internet to develop meaningful and complex stories. Emphasis is placed on finding raw data, interpreting it, organizing it, and writing stories for publication. The course deals with critical thinking and the methodology of using computers as a journalistic tool.

4243. **Senior Production** (formerly 3123) 3(3-0)
Prerequisites: MCOM 3613, 4183. Limited to graduating mass communication seniors with a 3.0 G.P.A. in the major and minor, and consent of the instructor.

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 I** 3 semester hours
Prerequisite: MCOM 3613.
Gathering, writing, and presenting a television news product under a deadline. Developing news judgment, understanding of the complexities of the visual aspect of broadcast journalism, and ethics are stressed.
4313. **Media Management** 3(3-0)
Prerequisites: MCOM 1243, 3313, and junior standing.
Study of the financial, legal, technical, operational, programming, production, and personnel aspects of managing a media organization.
4323. **Web Site Design** 3(3-0)
Prerequisites: MCOM 1243, 3313.
Students will learn the concepts of planning, constructing, and organizing web pages into a cohesive unit. Students will also learn to lay out text images, as well as edit and upload the pages to the Internet.
4363. **Broadcast News II** 3 semester hours
Prerequisite: MCOM 4263.
Building on a variety of skills acquired in MCOM 4263, this class focuses on broadcast performance, production, ethics, and non-linear editing.
4423. **Multimedia Design** 3(3-0)
Prerequisites: MCOM 1243, 3313.
Students will learn the basics of integrating several media into the Internet, including print, audio, video, and graphics. Emphases will include technical proficiency in various software applications, aesthetic considerations, and understanding new technologies.
4643. **Mass Communication Law** (formerly JOUR 4643) 3(3-0)
Prerequisites: MCOM 1233 and junior standing.
Overview of how mass communication law works in this country with an emphasis on the 1st Amendment, free expression, and legal theory. Students will also study narrow areas of media law such as libel and obscenity.
4673. **Public Relations Writing** 3(3-0)
Prerequisite: MCOM 1243.
Students will learn to write from an organizational perspective for a variety of public relations purposes and publications, including newsletters, press releases, fact sheets, and backgrounders.
4683. **Public Relations Principles** (formerly JOUR 4683) 3(3-0)
Prerequisite: MCOM 1243.
Study of public relations' historical and theoretical contexts, as well as public relations' role in solving organizational problems and concerns.
4693. **Public Relations Campaigns** (formerly JOUR 4693) 3(3-0)
Prerequisites: MCOM 4673 and 4683.
Analysis and evaluation of public relations cases and applications of PR principles to develop a PR campaign. Students will learn to research PR problems, develop action plans, and implement and evaluate public relations campaigns.
4823. **Advertising Campaigns** 3(3-0)
Prerequisite: MCOM 3223.
Application of advertising research and principles to develop an advertising campaign, including identifying and segmenting target markets, setting advertising goals, and developing a media plan.

DIGITAL MEDIA

Requirements for Minor in Digital Media (18 semester hours)

MCOM 1233 Introduction to Mass Communication

MCOM 1243 News Writing and Reporting I

MCOM 3313 Electronic News Gathering

Choose two from:

MCOM 3253 Publication Design

MCOM 4223 Computer Assisted Reporting

MCOM 4323 Web Site Design

MCOM 4423 Multimedia Design

Choose one from:

MCOM 2523 The Internet and Society

MCOM 3733 Media Ethics

MCOM 4643 Mass Communication Law

JOURNALISM

Requirements for Minor in Journalism (18 semester hours)

MCOM 1233 Introduction to Mass Communication

MCOM 1243 News Writing and Reporting I

MCOM 3233 Editing

9 hours from:

MCOM 3133 News Writing and Reporting II

MCOM 3253 Publication Design

MCOM 3633 Editorial Writing

MCOM 3653 Feature Writing

MCOM 3733 Media Ethics

MCOM 4223 Computer Assisted Reporting

MCOM 4423 Multimedia Design

ART 2013 Photography I

PUBLIC RELATIONS AND ADVERTISING

Requirements for Minor in Public Relations and Advertising (18 semester hours)

MCOM 1243 News Writing and Reporting I

MCOM 3223 Advertising

MCOM 4673 Public Relations Writing

MCOM 4683 Public Relations Principles

MCOM 4693 Public Relations Campaigns

3 hours from:

MCOM 3233 Editing

MCOM 3253 Publication Design

MCOM 3733 Media Ethics

MCOM 3823 Creation of the Advertising Message

MCOM 4323 Web Site Design

MCOM 4823 Advertising Campaigns

SPEECH COMMUNICATION

The Department of Mass Communication also offers courses in speech communication.

COURSES IN SPEECH COMMUNICATION (SPCH)

1133. Fundamentals of Speech Communication (TCCNS = SPCH 1315) 3(3-0)

Study of basic concepts of speech communication as applied to public speaking. Develops skills in research, preparation, delivery, and critiques of oral speeches. Skills are demonstrated through classroom work.

1233. Voice and Diction (TCCNS = SPCH 1342) 3(3-0)

A course for students wishing to improve their speaking voices and gain greater control over their pronunciation of spoken English. The anatomy of the vocal mechanisms and the International Phonetic Alphabet are studied for practical application in the improvement of voice and diction. This course is performance oriented.

2423. Interpersonal Communication (TCCNS = SPCH 1318) 3(3-0)

Introduces interpersonal communication concepts and provides speech interaction in one-to-one and small-group situations. Explores group dynamics, communication barriers, conflict resolution, decision making, interpersonal perception and listening skills.

3023. Persuasion 3(3-0)

Prerequisite: SPCH 1133 or 1233.

Study of persuasive theory and approaches to attitude and behavior change. Explores processes and techniques used in various forms of persuasive messages. Develop skills in persuasive speaking.

4143. Independent Study in Speech Communication 3 semester hours

Prerequisites: SPCH 1133 or 1233, junior standing, and consent of the instructor.

Intensive study for the advanced student within a special area of speech communication. Topics will be selected by the student with instructor approval. May be repeated for credit when topics vary.

MUSIC

Ruth Morrow, Chair (Fain Fine Arts Center 117)

Professors: Archambo, Maxwell, Morrow, Schuppener

Associate Professor: Lewis

Assistant Professors: Black, Crews, Harvey

Instructor: Johnson

Professors Emeriti: I. Boland, Hough

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 157.

Bachelor of Arts with a major in Music

The music program is accredited by the National Association of Schools of Music through its Commission on Accreditation.

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 majors and students pursuing the B.A. degree in music, 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 on page 195.)

All music majors are required to maintain continuous enrollment in their primary performance area until successfully completing the senior recital.

All music majors are required to make a grade of "C" or better in every music course required for the degree and/or major in music.

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 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 three 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 (seven semesters for students with teacher certification). 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.

Music performance majors must pass a minimum of eight semesters and students with teacher certification must pass seven semesters. Students will not be cleared for graduation until these requirements are met.

REQUIREMENTS FOR THE MINOR IN MUSIC (18-19 semester hours, including 9 advanced hours):

All students selecting a minor in music must have their program approved in advance of registration by the Music Minor Advisor.

MUSC	1000	Recital Attendance (4 semesters)	0
MUSC	1601, 1603	Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC	3743	Music History II	3
MUSC:	Major Ensemble	(1 lower-level hour, 3 upper-level hours)	4
Applied Music – Primary	(4 semesters at 1_ _1-level)		4
	(concurrent enrollment in major ensemble)		
3-4 hours from:			3-4
MUSC	1611, 1613	Elem Sight-Singing & Ear Training/Music Theory II	
MUSC	3723	World Music Literature	
MUSC	3733	Music History I	
MUSC	4813	Foundations of Music I	
MUSC	4823	Foundations of Music II	
MUSC	4843	Basic Conducting	
MUSC	4873	Foundations of Music III	

REQUIREMENTS FOR THE BACHELOR OF MUSIC DEGREE:

The Bachelor of Music degree focuses on preparing students for careers in performance, in church music, and as private teachers.

Primary Performance Areas: Brass, Percussion, Woodwinds, Guitar, Voice, Keyboard, Strings (with teacher certification only).

Academic Foundations and Core Curriculum 36-40

ENGL	1113, 1123	6
SPCH	1133, 1233, or 2423	3
HIST	1133, 1233	6
POLS	1333, 1433	6
Natural Sciences - two laboratory courses		6-8
MATH	1053 or 1233	3
(Students seeking teacher certification should take MATH 1233.)		
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 or 2433	3
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)		0-2
For instrumental performance, requirement is met by courses in the major.		
Vocal and keyboard performance majors must meet Exercise Physiology requirement.		

Computer Competency Requirement **0-3**

EDUC 1023, CMPS 1013, or 1033, or pass department exam 0-3
 (Students seeking teacher certification should take EDUC 1023.)

Writing Proficiency Requirement

Graduation requirements at Midwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

Major in Music – Instrumental Performance **80-84**

MUSC 1601, 1603	Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC 1611, 1613	Elem Sight-Singing & Ear Training/Music Theory II	4
MUSC 2603	Music Theory III	3
MUSC 2613	Music Theory IV	3
MUSC 3632	Analysis of Musical Form	2
MUSC 3662	Orchestration	2
MUSC 3723	World Music Literature	3
MUSC 3733	Music History I	3
MUSC 3743	Music History II	3
MUSC 3823	Pedagogy of Music	3
MUSC 4843	Basic Conducting	3
MUSC 4853	Instrumental Conducting	3
MUSC 3893	Music Technology	3
Applied Music – Primary (4 semesters at 1_ _2-level; 2 semesters at 3_ _2-level)		12
AMUS 3862	Junior Recital	2
AMUS 4962	Senior Recital	2
Applied Music – Secondary (4 semesters at 1_ _1-level)		4
MUSC: Major Ensemble (4 lower-level hours, 4 upper-level hours)		8
MUSC: Secondary Ensemble (4 lower-level hours)		4
MUSC 1000	Recital Attendance (8 semesters)	0
Piano Proficiency (sufficient hours to pass proficiency examination):		0-4
MUSC 1111/1121, AMUS 1231 Beginning Piano/Piano Class/Piano Proficiency		
MUSC/AMUS Advanced Electives		9

Total Semester Hours **116-125**

(If necessary, additional elective hours to bring total to 120.)

Major in Music – Vocal Performance **81-85**

MUSC 1601, 1603	Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC 1611, 1613	Elem Sight-Singing & Ear Training/Music Theory II	4
MUSC 2603	Music Theory III	3
MUSC 2613	Music Theory IV	3
MUSC 3632	Analysis of Musical Form	2
MUSC 3662	Orchestration	2
MUSC 3723	World Music Literature	3
MUSC 3733	Music History I	3
MUSC 3743	Music History II	3
MUSC 4843	Basic Conducting	3
MUSC 4863	Choral Conducting	3
MUSC 3893	Music Technology	3

AMUS	1202, 3202	Voice (4 semesters at 1000-level; 2 semesters at 3000-level)	12
AMUS	3862	Junior Recital	2
AMUS	4962	Senior Recital	2
MUSC	1001, 3001	University Singers (4 semesters at 1000-level; 4 semesters at 3000-level)	8
MUSC	1000	Recital Attendance (8 semesters)	0
MUSC	1211, 1221, 3211, 3221	Diction I, II, III, and IV	4
MUSC	4833	Vocal Pedagogy	3
MUSC	1931, 3931	Opera Workshop (2 semesters at 1000-level; 2 semesters at 3000-level)	4
FREN	1134/1234	Elementary French or	
GERM	1134/1234	Elementary German	8
Piano Proficiency (sufficient hours to pass proficiency examination):			0-4
MUSC	1111/1121, AMUS 1231	Beginning Piano/Piano Class/Piano Proficiency	
MUSC/AMUS	Advanced Electives		2

Total Semester Hours **119-128**

(If necessary, additional elective hour to bring total to 120.)

Major in Music – Keyboard Performance **80**

MUSC	1601, 1603	Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC	1611, 1613	Elem Sight-Singing & Ear Training/Music Theory II	4
MUSC	2603	Music Theory III	3
MUSC	2613	Music Theory IV	3
MUSC	3632	Analysis of Musical Form	2
MUSC	3662	Orchestration	2
MUSC	3723	World Music Literature	3
MUSC	3733	Music History I	3
MUSC	3743	Music History II	3
MUSC	3823	Pedagogy of Music	3
MUSC	3833	Piano Pedagogy	3
MUSC	3843	Keyboard Literature	3
MUSC	4843	Basic Conducting	3
MUSC	4853 or 4863	Instrumental or Choral Conducting	3
MUSC	3893	Music Technology	3
Applied Music – Primary (4 semesters at 1__2-level; 2 semesters at 3__2-level)			12
AMUS	3862	Junior Recital	2
AMUS	4962	Senior Recital	2
Applied Music – Secondary (4 semesters at 1__1-level)			4
MUSC: Major Ensemble (4 lower-level hours, 4 upper-level hours)			8
MUSC: Secondary Ensemble (4 lower-level hours)			4
MUSC	1000	Recital Attendance (8 semesters)	0
MUSC/AMUS	Advanced Electives		3

Total Semester Hours **118-123**

(If necessary, additional elective hours to bring total to 120.)

BACHELOR OF MUSIC WITH TEACHER CERTIFICATION degree requirements

The Bachelor of Music degree with teacher certification focuses on preparing students for careers in music education and certification by the Texas Board of Education (K-12, all-area).

Academic Foundations, Music requirements, and Professional Education requirements are found on page 157.

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE:

The Bachelor of Arts degree with a major in music is intended to serve students with a music background not wanting to pursue professional degrees in performance or education, but rather to obtain a focused study of music within a liberal arts framework.

Academic Foundations and Core Curriculum	58-60
plus additional requirements	

ENGL 1113, 1123	6
SPCH 1133, 1233, or 2423	3
HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1053 or 1233	3
Fine Arts - met by course required in major	0
Humanities - ENGL sophomore literature or humanities	6
SOCL 1133 or PSYC 1103	3
ECON 1333 or 2333 or 2433	3
Foreign Language – 14 hours of one foreign language	14
Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)	2

Computer Competency Requirement	0-3
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EDUC 1023, CMPS 1013, 1033, or pass department exam	0-3
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Writing Proficiency Requirement

Graduation requirements at Midwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

Major in Music	39
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MUSC 1601, 1603 Elem Sight-Singing & Ear Training/Music Theory I	4
MUSC 1611, 1613 Elem Sight-Singing & Ear Training/Music Theory II	4
MUSC 2603 Music Theory III	3
MUSC 2613 Music Theory IV	3
MUSC 3723 or 3733 World Music Literature or Music History I	3
MUSC 3743 Music History II	3
MUSC 4843 Basic Conducting	3
MUSC 3893 Music Technology	3
Applied Music – Primary (4 semesters at 1__1-level)	4
MUSC Ensemble (4 semesters, 1 hour each)	4
MUSC 1000 Recital Attendance (8 semesters)	0
MUSC 4943 Senior Project	3
MUSC/AMUS Advanced Electives	2

Minor - Minimum of 18 hours in any discipline	18
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Total Semester Hours	115-120
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(If necessary, additional elective hours to bring total to 120.)

While any stated minor in the current catalog may be used, one of the following is recommended for the Bachelor of Arts with a major in Music:

Vocal Performance (18 hours):

AMUS 3201 (3 semesters), 3961, MUSC 1211, 1221, 4833, Major Ensemble (4 semesters), and advanced music or related field electives (5 hours).

Instrumental Performance (18 hours):

AMUS applied lessons at the 3000 level (3 semesters), AMUS 3961, MUSC 4853, Major Ensemble (4 semesters), Secondary Ensemble (4 semesters), and advanced music or related field electives (3 hours).

Keyboard Performance (18 hours):

AMUS applied lessons at the 3000 level (3 semesters), 3961, MUSC 3823, 3833, Major Ensemble (4 semesters), and advanced music or related field electives (4 hours).

Journalism (18 hours): see page 188

Business Administration (21 hours): see page 114

Management Information Systems (18 hours): see page 126

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 the exercise physiology activity requirement. 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 (TCCNS = MUSI 1157) 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 APPLIED MUSIC – PERFORMANCE (AMUS)

Courses in performance (private lessons) are available for one or two 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.

Performance Area:	Central Digits for 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
Strings	39
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, Education, or B.A. music majors	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** (TCCNS = MUSI 1306/1310) 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.

1111. **Beginning Piano** (TCCNS = MUSI 1181) 1(0-2)

Class instruction in piano for students with no previous background; emphasis on the development of fundamental skills. Majors/minors only. May be repeated for credit.

1121. **Piano Class** (TCCNS = MUSI 1182) 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** (TCCNS = MUSI 1162) 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** (TCCNS = MUSI 1165) 1 semester hour

A beginning course for the study of German and French pronunciation. The International Phonetic Alphabet will be learned and applied.

1503. **Basic Music** 3(3-0)

A study of the basic elements of music theory, including the reading of musical notation on treble and bass staves, key signatures, scales, and chords.

1601. **Elementary Sight-Singing and Ear Training** (TCCNS = MUSI 1116) 1(0-2)

Prerequisite: MUSC 1503 or consent of instructor.

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 (TCCNS = MUSI 1311) 3(3-0)

Prerequisite: MUSC 1503 or consent of instructor.

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 (TCCNS = MUSI 1117) 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 (TCCNS = MUSI 1312) 3(3-0)

Prerequisite: MUSC 1603.

A continuation of MUSC 1603. MUSC 1611 should be taken concurrently.

2603. Theory III (TCCNS = MUSI 2311) 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 (TCCNS = MUSI 2312) 3(3-1)

Prerequisite: MUSC 2603.

A continuation of MUSC 2603.

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, violoncello, 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(1-1)

Instruction and practice in the fundamentals of singing. Vocal anatomy, breath control, practice habits, vowel and consonant production, and performing a song – all a student needs to know about singing correctly.

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.

3643. Composition Class 3 semester hours

Prerequisite: MUSC 2603.

An introductory class in composition, with assignments including the creation of musical pieces in various forms and genres drawn from those generally found in Western classical music.

3662. Orchestration 2 semester hours

Prerequisites: MUSC 1611 and 1613.

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. World Music Literature 3(3-0)

A survey of indigenous music from selected diverse cultures of the world.

3733. Music History I 3(3-0)

Prerequisites: MUSC 1611 and 1613.

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)

Prerequisites: MUSC 1611 and 1613.

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.

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.

3813. Foundations of Music I (formerly 4813) 3(3-0)

Prerequisites: ENGL 1113, 1123, and EDUC 2013.

An overview of elementary music and its relationship to the general music classroom. Students learn music concepts and the importance of music in a child's development.

3823. Pedagogy of Music 3 semester hours

Designed as an introduction to the teaching of private music lessons, this course will include a survey of business plans, various curricula (including technology), lesson and practice strategies, advertising and maintaining a place of business, and studio policies. Some in-class teaching. Two lessons of practice teaching per week required.

3833. Piano Pedagogy 3 semester hours

Prerequisite: MUSC 3823.

Principles and materials for the instruction of piano students of all ages. Knowledge of the leading printed teaching methods and anthologies, and application of leveling principles through pedagogical composition assignments. Some in-class teaching. Two lessons of practice teaching per week required.

3843. Keyboard Literature (formerly 3842) 3 semester hours

A survey of keyboard literature through periods, composers, and genres, coming as close to the present day as possible. Recorded and student performances of literature used to illustrate various aspects of form and style.

3862. Choral Literature 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.

3893. Music Technology (formerly 4893) 3 semester hours

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.

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

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.

4823. Foundations of Music II 3(3-0)

A course designed for music majors working toward the all-level certification 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 instruction on lesson plan development and implementation as well as observational and teaching field experience in the elementary school setting.

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, vocal organ anatomy, and the science of acoustics will be covered. In-class observation and 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.

4863. **Choral Conducting** (formerly 4862) 3 semester hours
Prerequisite: MUSC 4843.

Continuation, development, and expansion of MUSC 4843 with emphasis on choral conducting and choral methods.

4873. **Foundations of Music III** 3(3-0)
Prerequisites: MUSC 1611, 1613, ENGL 1113, and 1123.

A course designed for music education majors to learn curriculum development for the elementary music program. Students learn materials and pedagogy, teaching methodologies, lesson planning, and assessment. Observation and field experience are part of this course.

4943. **Senior Project** 3 semester hours

A capstone written and oral project for the B.A. in Music student synthesizing learning from the music major and required minor. To be given in public presentation; may be in conjunction with senior recital as lecture-recital.

4953. **Special Topics in Music** 3(3-0)
Topics will vary. May be repeated for credit with different content.

4963. **Independent Study in Music** 3 semester hours

Prerequisite: Consent of instructor and program chair.

Individual student scholarship with faculty guidance. May be repeated for credit.

DOLORES P. 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 Dolores P. 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

Instructor Professor: Smith

MISSION STATEMENT FOR THE THEATRE PROGRAM

The mission of the Midwestern State University theatre program 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.

A. Bachelor of Fine Arts with a major in Theatre (Emphasis in Design/Technology)

The purpose of the B.F.A. degree with an emphasis in design/technology is to prepare the student for entry into a graduate program in design and/or technical theatre or for employment with amateur, semi-professional, or professional theatrical-production organizations.

Academic Foundations and Core Curriculum 33-35

ENGL 1113, 1123	6
Speech - met by course required in major	0
HIST 1133, 1233	6
POLS 1333, 1433	6
Natural Sciences - two laboratory courses	6-8
MATH 1053 or 1233	3
(Students seeking teacher certification should take MATH 1233.)	
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, 2333, or 2433	3

Computer Competency Requirement 0-3

EDUC 1023, CMPS 1013, 1033, or pass department exam	0-3
(Students seeking teacher certification should take EDUC 1023.)	

Physical Activity Requirement 2

Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)	2
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Writing Proficiency Requirement

Graduation requirements at Midwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

NOTE: A grade of D will not be accepted to meet requirements for the Theatre Core or the Design/Technology Emphasis.

Theatre Core Requirements 42

SPCH	1233	Voice and Diction	3
THEA	1403	Introduction to Acting	3
THEA	1513	Stagecraft	3
THEA	1613	Performance Makeup	3
THEA	2121	Rehearsal and Production (4 semesters of enrollment)	4
THEA	2433	Theatre History I	3
THEA	2443	Theatre History II	3
THEA	3003	Contemporary Theatre	3
THEA	3013	Costume Construction	3
THEA	3121	Advanced Rehearsal and Production (3 semesters of enrollment)	3
THEA	3423	Script Analysis	3
THEA	3433	Principles of Directing	3
THEA	4142	Theatre Apprenticeship	2
THEA	4483	Collaborative Play Production	3

Design/Technology Emphasis 33**Required Courses:**

ART	1113	Two-Dimensional Design	3
ART	1313	Drawing I	3
THEA	3353	Theatre Graphics	3
THEA	3473	Performance Lighting	3
THEA	3493	Performance Sound	3
THEA	4363	Scene Design	3
THEA	4373	Costume Design	3

Selective Courses - 12 hours from:

ART	1123	Three-Dimensional Design	3
THEA	2113	Stage Movement	3
THEA	3143	Stage Management	3
THEA	3393	Advanced Acting	3
THEA	4213	Voice for the Theatre and Stage Dialects	3
THEA	4223	Period Style and Movement	3
THEA	4393	British Theatre: Performance	3
THEA	4493	British Theatre: Production	3
ENGL	3253	Dramatic Literature	3
ENGL	4773	Shakespeare	3

Advisor-Approved Electives 5-10**Total Semester Hours, including at least 39 upper-level hours 120****B. Bachelor of Fine Arts with a major in Theatre (Emphasis in Acting/Directing)**

The purpose of the B.F.A. degree with an emphasis in acting/directing is to prepare the student for entry into a graduate program in theatre performance or for employment with amateur, semi-professional, or professional theatrical-production organizations.

Academic Foundations and Core Curriculum 33-35

ENGL	1113, 1123	6
Speech	- met by course required in major	0
HIST	1133, 1233	6
POLS	1333, 1433	6

Natural Sciences - two laboratory courses	6-8
MATH 1053 or 1233	3
(Students seeking teacher certification should take MATH 1233.)	
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, 2333, or 2433	3

Computer Competency Requirement 0-3

EDUC 1023, CMPS 1013, 1033, or pass department exam	0-3
(Students seeking teacher certification should take EDUC 1023.)	

Physical Activity Requirement 2

Exercise Physiology (2 different activity courses or one semester of marching band and 1 activity, or two semesters of marching band)	2
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Writing Proficiency Requirement

Graduation requirements at Northwestern State University include passage of the Writing Proficiency Exam, to be taken after the student has completed 60 hours of coursework. Non-passage of the exam necessitates passing ENGL 2113 – Composition Skills.

NOTE: A grade of D will not be accepted to meet requirements for the Theatre Core or the Acting/Directing Emphasis.

Theatre Core Requirements 42

SPCH 1233 Voice and Diction	3
THEA 1403 Introduction to Acting	3
THEA 1513 Stagecraft	3
THEA 1613 Performance Makeup	3
THEA 2121 Rehearsal and Production (4 semesters of enrollment)	4
THEA 2433 Theatre History I	3
THEA 2443 Theatre History II	3
THEA 3003 Contemporary Theatre	3
THEA 3013 Costume Construction	3
THEA 3121 Advanced Rehearsal and Production (3 semesters of enrollment)	3
THEA 3423 Script Analysis	3
THEA 3433 Principles of Directing	3
THEA 4142 Theatre Apprenticeship	2
THEA 4483 Collaborative Play Production	3

Acting/Directing Emphasis 32

Required Courses:

THEA 2113 Stage Movement	3
THEA 2122 Dance for the Theatre	2
THEA 3123 Advanced Movement	3
THEA 3143 Stage Management	3
THEA 3393 Advanced Acting	3
THEA 4213 Voice for the Theatre and Stage Dialects	3
THEA 4223 Period Style and Movement	3

Selective Courses - 12 hours from:

THEA	3353	Theatre Graphics	3
THEA	3473	Performance Lighting	3
THEA	3493	Performance Sound	3
THEA	4363	Scene Design	3
THEA	4373	Costume Design	3
THEA	4393	British Theatre: Performance	3
THEA	4493	British Theatre: Production	3
ENGL	3253	Dramatic Literature	3
ENGL	4773	Shakespeare	3
AMUS	1701	Voice for Non-Music Majors/Minors (up to 3 semesters)	3

Advisor-Approved Electives**6-11****Total Semester Hours, including at least 39 upper-level hours****120**

C. Bachelor of Fine Arts with a major in Theatre with Teacher Certification¹ requirements are found on page 161.

The purpose of the B.F.A. degree with teacher certification is to prepare the student to teach and produce theatre in primary, middle, or secondary school settings.

¹ To be accepted into the teacher education program, a student must (1) complete at least 60 semester hours of credit, (2) file a formal application and three letters of recommendation in the Education Office, (3) earn satisfactory scores on the Texas Higher Education Assessment – or equivalent – in reading, writing, and mathematics, and (4) compile at least a 2.5 grade average in freshman English (excluding developmental courses) and a 2.75 cumulative grade average.

The requirements for the minor in theatre are as follows:

REQUIREMENTS FOR THE MINOR IN THEARE (24 semester hours):

SPCH	1233	Voice and Diction	3
THEA	1403	Introduction to Acting	3
THEA	1513	Stagecraft	3
THEA	1613	Performance Makeup	3
THEA	3013	Costume Construction	3
THEA	3423	Script Analysis	3
THEA	3433	Principles of Directing	3
3 hours from:			3
THEA	2433	Theatre History I	
THEA	2443	Theatre History II	
THEA	3003	Contemporary Theatre	

COURSES IN THEATRE (THEA)

1403. Introduction to Acting (formerly 2533) (TCCNS = DRAM 1351) 3(2-2)

Open to non-majors. Study and application of the theories and techniques of the art of acting with emphasis on acting as a communicative process.

1503. Appreciation of Theatre (TCCNS = DRAM 1310) 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. Stagecraft (TCCNS = DRAM 1330) 3(2-2)

Basic construction, finishing, painting, and lighting of scenery and properties for stage, studio, and display.

1613. **Performance Makeup** (TCCNS = DRAM 1341) 3(3-0)
Principles and application of corrective and character makeup.
2113. **Stage Movement** (formerly 1413) (TCCNS = DRAM 1322) 3(3-0)
The use of improvisational techniques to explore the coordination of physical and vocal expression. For theatre majors and minors only.
2121. **Rehearsal and Production** (TCCNS = DRAM 1120) 1 semester hour
Basic laboratory experience associated with the semester's productions. Assigned tasks in performance and/or production. May be repeated for credit.
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.
2433. **Theatre History I** (formerly 3403, 4433) (TCCNS = DRAM 2361) 3(3-0)
History and theory of playwriting, directing, acting, and production from the beginnings through the eighteenth century.
2443. **Theatre History II** (formerly 3413, 4443) (TCCNS = DRAM 2362) 3(3-0)
History and theory of playwriting, directing, acting, and production from the post-Renaissance era through the mid-twentieth century. Includes a unit on non-Western theatre.
3003. **Contemporary Theatre** 3(3-0)
Prerequisites: THEA 2433 and 2443, or consent of instructor.
A study of selected acclaimed plays from the contemporary theatre, including, but not limited to, musical theatre, African-American and other minority drama, and other significant dramatic works. Also includes discussion of leading theatrical figures and movements that have defined the contemporary theatre and inspired avant garde theatrical production. May be repeated for credit.
3013. **Costume Construction** (formerly 4463) 3(2-2)
Techniques in the construction of stage costumes, drafting, and adapting of patterns for period and modern clothes for the stage. Creation of a digital portfolio.
3121. **Advanced Rehearsal and Production** 1 semester hour
Prerequisite: THEA 2121.
Advanced laboratory experience associated with the semester's productions. May be repeated for credit.
3123. **Advanced Movement** 3(3-0)
Prerequisite: THEA 2113.
Exploration of advanced techniques in stage movement.
3143. **Stage Management** 3(3-0)
Prerequisite: Junior standing or consent of instructor.
Protocol, procedures, techniques, and tips for effective stage management during the preliminary, rehearsal, and performance phases of a production. Includes methods for ensuring effective communication, coordination, note taking, record keeping, and people management, as well as ways to maximize efficiency, productivity, and accuracy in rehearsals and performances.
3353. **Theatre Graphics** (formerly 3483) 3(2-2)
Prerequisite: THEA 1513 or consent of instructor.
Principles and practice in hand and computer-aided drafting for the performing arts. Application of standard graphic language in scenic design and technical production.

3393. **Advanced Acting** (formerly 3543) 3(2-2)

Prerequisites: SPCH 1233 and THEA 1403.

Advanced study and application of the theories and techniques of acting with emphasis on characterization, role analysis, and ensemble playing. Exposure to acting in classical roles, especially those of Shakespeare. Resume and audition preparation.

3423. **Script Analysis** 3(3-0)

Analysis of the dynamics, messages, themes, images, language, and historical/biographical background of a number of plays drawn from different periods, genres, and styles.

3433. **Principles of Directing** 3(2-2)

Prerequisites: SPCH 1233, THEA 1403 and 3423, or consent of the instructor.

Exploration of the fundamental techniques and aesthetics of directing. Practice in translating analysis into performance and production through the direction of short scenes. Consideration of the role of the director in play selection, production conception, design, casting, rehearsing, and staging.

3473. **Performance Lighting** 3(2-2)

Study and practice in lighting theories. Principles of electricity as applied to theatre, broadcast, and concert lighting.

3493. **Performance Sound** 3(3-0)

Principles of, and practices in, sound design, reinforcement, recording, editing, and reproduction in the entertainment industry.

3513. **Special Topics in Theatre** 3(3-0)

Topics vary. May be repeated with different content.

4142. **Theatre Apprenticeship** (formerly 4143) 2 semester hours

Prerequisite: Consent of the Chair of Theatre.

Directed research and/or projects. May be repeated once for elective credit.

4213. **Voice for the Theatre and Stage Dialects** 3(3-0)

Prerequisite: SPCH 1233 or consent of the instructor.

The course begins with exercises in phonetics, vocal expressiveness, and vocal clarity. Students proceed to a study of 4-5 major stage dialects aimed at integrating the learning of dialects with the use of effective vocal technique.

4223. **Period Style and Movement** 3(2-2)

Prerequisites: SPCH 1233, THEA 1403, and 2113, or consent of instructor.

Experience in playing scenes from various theatrical periods. Exploration of vocal and physical styles appropriate for these periods. Vocal/physical integration. Practice with period costumes and props.

4363. **Scene Design** (formerly 3463) 3(2-2)

Prerequisites: THEA 1513 and 3353, or consent of instructor.

Study and practice in scenic design principles, including the creation of a portfolio.

4373. **Costume Design** (formerly 4473) 3(2-2)

Prerequisites: THEA 3013, or consent of instructor.

Design of costumes for stage, including the creation of a digital portfolio.

4393. **British Theatre: Performance** 3(3-0)

As part of the British Studies Program, this course involves experiencing professional British theatre productions, then critiquing them from the standpoint of performance. Instruction will be bolstered by professional actors and directors invited to class to discuss

their work or conduct workshops. The course will also include trips to British theatre museums and collections.

4483. Collaborative Play Production (formerly 3443) 3(2-2)

Prerequisites: THEA 1513, 1613, 3013, and 3433, or consent of the instructor.

Collaboration as a student director, designer, and/or technician in the production of a one-act play for presentation before an audience. Includes responsibility for designated performance, design, technical, and/or promotional aspects of the production. Design/tech students will also embellish their portfolios.

4493. British Theatre: Production 3(3-0)

As part of the British Studies Program, this course involves experiencing professional British theatre productions, then critiquing them from the standpoint of design. Instruction will be bolstered by professional designers, stage managers, and technicians invited to class to discuss their work or conduct workshops. The course will also include trips to British theatre museums and collections.

4503. Independent Study in Theatre 3 semester hours

Prerequisite: Consent of instructor.

Individual student scholarship with faculty guidance. May be repeated for credit.



COLLEGE OF HEALTH SCIENCES AND HUMAN SERVICES

Susan Sportsman, Dean (J. S. Bridwell Hall 104D)

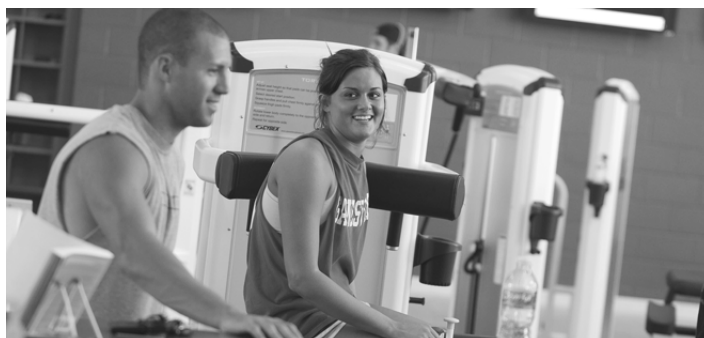
MISSION STATEMENT FOR THE COLLEGE OF HEALTH SCIENCES AND HUMAN SERVICES

The College of Health Sciences and Human Services includes undergraduate study in athletic training, exercise physiology, criminal justice, dental hygiene, nursing, radiologic sciences, respiratory care, and social work; with graduate programs in exercise physiology, radiologic sciences, health service administration, nursing, and public administration. There are also degree programs designed specifically for working radiographers, registered nurses, and respiratory therapists. Post-master's nursing students may take courses pursuant to certification as nurse educators or family nurse practitioners. 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.



ATHLETIC TRAINING and EXERCISE PHYSIOLOGY

Benito Velasquez, Chair (D.L. Ligon Hall 215)

Professor: Kilgore

Associate Professors: Velasquez, Wyatt

Instructors: Carroll, Cummings, Diehm, Elder, Flores-Stafford, Haggerty,

Johnson, Jones, Lage, Linder, Lyman, Maskill, McCasland, Natkin,

Norsworthy, Ray, Renner, Styles, Taylor, Tigert, Williams

Professors Emeriti: Dudley, Gillespie, Henderson, Stockton

The Department of Athletic Training and Exercise Physiology offers degree programs which prepare students for a variety of jobs in sport-related and allied health fields. 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.

ATHLETIC TRAINING MAJOR

The Athletic Training Education Program is accredited by the Commission on Accreditation of Athletic Training Education Programs (CAATE).

The requirements for the Bachelor of Science in Athletic Training degree with a major in Athletic Training are as follows:

General (see page 89)

Academic Foundations and Core Curriculum (See page 91)

Major (57 semester hours)

ATRN 1073, 1203, 1211, 1213, 2433, 2901, 2903, 3101, 3103, 3331, 3801, 3803, 3811, 3813, 3901, 3913, 4423, 4801, 4903, and 4911

EXPH 1993, 2333, and 4703

KNES 4033

PSYC 3313 or NURS 4123

Minor - no minor required.

Upon completion of this degree the student will be eligible to apply for the certification exam given by the national Board of Certification (BOC) and the Texas Athletic Training Licensure Exam administered by the Texas Department of State Health Services.

ADMISSION REQUIREMENTS

Students interested in Athletic Training should seek advisement from the ATEP faculty. The athletic training pre-professional program is open to any beginning freshman or transfer student who has been admitted to MSU. The pre-professional curriculum consists of a minimum of 24 hours including the following courses: ATRN 1073, 1213, and BIOL 1134, plus 14 additional hours of required coursework. It is highly suggested that ATRN 1203, BIOL 1234, and EXPH 2333 are taken at this time. A minimum of 50 hours of clinical observation is required for satisfactory completion of ATRN 1073 and 1213 for a minimum total of 100 observation hours. Selection for admission into the professional phase of the ATEP is made in July. Selection into the ATEP is competitive and completion of the minimum requirements does not guarantee admission into the professional program. To be considered for admission into the ATEP, the applicant must:

1. Maintain a minimum cumulative 2.5 GPA.
2. Have completed a minimum of 24 hours of college course work including a “C” or better in ATRN 1073 and BIOL 1134.
3. Have documented a minimum of 100 hours of observation under a Certified Athletic Trainer.
4. Submit to the Vinson Health Center a technical standard worksheet and completed shot records.
5. Submit the following to the ATEP director: ATEP application, 3 completed recommendation forms, documentation of completed technical standards, proof of CPR and first aid certification, and official transcripts from all high schools and post secondary academic work.
6. Complete an admissions interview with a committee composed of the Program Coordinator, Clinical Coordinator, Head Athletic Trainer, and an Athletic Training Student Representative.

Due to the competitiveness of the program, not all applicants meeting the criteria will be selected for admission into the ATEP. Selection into the ATEP will be based on the following criteria:

1. Cumulative GPA	33 percent
2. Prerequisite GPA	33 percent
3. Admissions Interview	33 percent

RETENTION

Once admitted into the ATEP, the student must maintain a cumulative GPA of at least 2.5 and must receive no grade lower than a “C” in all major and associated courses. A student who does not maintain a 2.5 GPA will be placed on probation with the ATEP for a semester. If after one semester the student has not achieved a cumulative GPA of at least 2.5, he/she may be dismissed from the program or allowed to continue for a maximum of one additional probationary semester. The latter condition will be granted only with permission from the ATEP Coordinator and the Chair of the Department of Athletic Training and Exercise Physiology. A student who receives a grade lower than a “C” in ATRN courses, will be on probation until able to repeat that course. A student will not be allowed to progress onto the next semester or level of ATRN courses until the course has been repeated and the grade has been replaced with a “C” or better. If a student fails to achieve a “C” or better during the second attempt, the student will be dismissed from the ATEP. A student receiving below a “C” in associated coursework will be on probation for a semester. The course must be repeated in the following semester, and the grade must be replaced with a “C” or better. If after one semester the student has not replaced the grade, he/she may be dismissed from the program, or allowed to continue for a maximum of one additional probationary semester. The latter condition will be granted only with permission of the ATEP Coordinator and the Chair of the Department of Athletic Training and Exercise Physiology.

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 BOC 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 techniques; 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 Disability Support Services Office 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 course work, clinical experiences and internships deemed essential to graduation.

ATHLETIC TRAINING EDUCATION PROGRAM

Clinical and Field Experience: Due to the strong practical component of the ATEP, clinical supervision by approved clinical instructors provides for unique educational experiences. The CAATE standards require that students receive a minimum of two aca-

demographic years of clinical experience as part of the course work in the ATEP. This clinical instruction and supervision will occur in a variety of athletic training settings including collegiate, secondary, clinical, hospital, and rehabilitative. These experiences are provided in conjunction with ATRN 2901, 3101, 3801, 3811, 3901, 4801, and 4911.

Financial Information: Fees associated with the program include, but are not limited to, coverage of annual liability insurance premiums, uniforms, and personal equipment necessary for clinical experience, immunizations and screenings, transportation, and meals associated with off-campus clinical experience, and professional memberships.

Graduation: The completion of a Bachelor of Science in Athletic Training degree with a major in Athletic Training requires 131 semester credit hours. This degree is exempt from the University's minor requirement. Students may pursue additional major or minor areas of study to complement the program, realizing that additional course work and time will be necessary. A teaching certification is recommended for those students wishing to seek employment in secondary school settings upon graduation.

Careers in Athletic Training: Following graduation, attainment of BOC certification and proper state licensure, the certified athletic trainer may practice in a variety of settings including secondary schools, colleges and universities, professional athletics, sport medicine clinics, fitness/wellness centers, and corporate/industrial settings.

COURSES IN ATHLETIC TRAINING (ATRN)

1073. **Care and Prevention of Athletic Injuries** (TCCNS = PHED 2356) 3(3-0)

An introduction to basic athletic training techniques used for prevention and care of injuries common to the physically active individual. Students will receive first-aid and CPR certification in addition to basic athletic taping, bracing, and padding techniques.

1203. **Health and Wellness** 3(3-0)

This course is designed to provide students with a broad in-depth study of the dynamic process involved in achieving and maintaining a healthy and productive lifestyle. Learning experiences emphasizing general knowledge and practical application of concepts relative to physical, emotional, intellectual, spiritual, social and environmental health will provide the foundation for the dynamic process presented in this course. (Same as EXPH 1203.)

1211. **Taping and Palpations Lab** 1(0-2)

Prerequisite: Athletic Training major or approval by instructor. Co-requisite: ATRN 1211.

A survey of anatomical landmarks in relation to muscle origins, insertion and actions, with a focus on palpation skills. An in-depth study and application of taping, wrapping, padding, and bracing techniques in athletic training. Includes practical experience in both laboratory and clinical applications.

1213. **Taping and Palpations** 3(3-0)

Prerequisite: Athletic Training major or approval by instructor. Co-requisite: ATRN 1211.

An investigation of muscle origin, insertion and actions with a demonstration of bony and soft tissue palpations with reference to proper medical terminology and abbreviations. Students are instructed in the proper application of taping, wrapping, padding, and bracing techniques in athletic training.

2433. **Medical Terminology** 3(3-0)

An introduction into terminology commonly used in health care professions. This course will focus on prefixes, suffixes, and whole word terminology for medical records, charting, and communication with other allied health care professionals.

**All of the following ATRN courses require acceptance
into the Athletic Training Education Program.**

2901. Therapeutic Modalities Lab 1(0-3)

Prerequisite: ATRN 1073. Co-requisite: ATRN 2903.

Selection, implementation, and evaluation of the effectiveness of therapeutic modalities in athletic training. Includes practical experience in both laboratory and clinical applications.

2903. Therapeutic Modalities (formerly 4803) 3(3-0)

Prerequisite: ATRN 1073. Co-requisite: ATRN 2901.

Investigation of the scientific principles underlying therapeutic modalities in athletic training. Includes discussion of selective modalities therapeutic purposes, indications, contraindications, and adverse effects.

3101. General Medical Assessment Lab (formerly 2701) 1(0-3)

Prerequisite: ATRN 3901. Co-requisite: ATRN 3103.

Principles of prevention, assessment, and management of injuries and illnesses common to the physically active individual. Includes practical experience in both laboratory and clinical applications.

3103. General Medical Assessment (formerly 2703) 3(3-0)

Prerequisite: ATRN 3913. Co-requisite: ATRN 3101.

Principles for prevention, assessment, and management of injuries and illnesses common to the physically active individual. Learning experiences emphasize concepts related to pre-participation physical examinations; injuries and illnesses of the abdominal, thoracic, cranial, and facial areas; and the athletic trainer's role as a part of a healthcare team.

3331. Sport and Exercise Pharmacology 1(1-0)

Prerequisite: Senior standing within the ATEP.

A survey of important pharmacological concepts and agents relevant to health, sport, and fitness professionals.

3801. Orthopedic Assessment and Management I Lab 1(0-3)

Prerequisite: ATRN 1073. Co-requisite: ATRN 3803.

Evaluation and management of orthopedic injuries and conditions of the physically active patient, with a specific focus on the lower extremity, lumbar, and sacral spine. Includes practical experience in both laboratory and clinical applications.

3803. Evaluation of Athletic Injuries I (formerly 4003) 3(3-0)

Prerequisite: ATRN 1073. Co-requisite: ATRN 3801.

Integration of understanding the mechanism of injury into assessment techniques used to distinguish injuries common to the physically active individual with a specific focus on the lower extremity, lumbar, and sacral spine.

3811. Orthopedic Assessment and Management II Lab 1(0-3)

Prerequisite: ATRN 3801. Co-requisite: ATRN 3813.

Evaluation and management of orthopedic injuries and conditions of the physically active patient, focus on the upper extremity, cervical, and thoracic spine. Includes practical experience in both laboratory and clinical applications.

3813. Evaluation of Athletic Injuries II 3(3-0)

Prerequisite: ATRN 3803. Co-requisite: ATRN 3811.

Integration of understanding of the mechanism of injury into assessment techniques used to distinguish injuries common to the physically active individual with a focus on the upper extremity, cervical, and thoracic spine.

3901. Therapeutic Exercise Lab 1(0-3)

Prerequisite: ATRN 3811. Co-requisite: ATRN 3913.

Planning and implementation of therapeutic exercise related to the rehabilitation of the physically active patient. Includes practical experience in both laboratory and clinical applications.

3913. Therapeutic Exercise (formerly 4813) 3(3-0)

Prerequisite: ATRN 3813. Co-requisite: ATRN 3901.

Theory and practice of rehabilitation of physically active individuals. (Same as KNES 3913.)

4423. Research and Athletic Training 3(3-0)

The focus on this lecture course is to instruct the athletic training student in the role that research plays in the practice of athletic training. Topics include problem development, literature review, data analysis techniques and interpretations, institutional review boards, and communicating the results.

4801. Athletic Training Techniques Lab 1(0-3)

Prerequisite: ATRN 3101. Co-requisite: ATRN 4903.

Athletic training techniques, with some focus on administrative skills. Includes practical experience in both laboratory and clinical applications.

4903. Administration of Athletic Training (formerly 3903) 3(3-0)

Prerequisite: ATRN 3103. Co-requisite: ATRN 4801.

Overview of administrative and finance principles applicable to the operation of athletic training programs.

4911. Capstone: Theories and Practice of Athletic Training 1(0-3)

Prerequisite: Senior standing within the ATEP.

Problem-based course to encourage critical thinking and a continued mastery of athletic training clinical skills. Includes practical experience in both laboratory and clinical applications.

EXERCISE PHYSIOLOGY MAJOR

The requirements for the Bachelor of Science degree with a major in Exercise Physiology are as follows:

General (see page 89)

Academic Foundations and Core Curriculum - 54-55 semester hours (See page 91)

Bachelor of Science (See page 93)

Major (40 semester hours)

ATRN/EXPH 1203, EXPH 1983, 2002, 2503, 3331, 3913, 4676, 4703; KNES 1053, 3103, 4033. PHYS 1144 and ENGL 3203 are also required.

Minor - Exercise Physiology students have the following minor requirement:

BIOLOGY (21 semester hours) - EXPH 2333, BIOL 1144, 1544, 3234, 3333, and three additional hours of biology approved by the Exercise Physiology Department Chair.

EXERCISE PHYSIOLOGY - ACTIVITY COURSES (EXPH)

(formerly activity courses in Kinesiology – KNES)

- 1001 **Archery**
- 1011 **Fundamentals of Physical Activity and Health** (TCCNS = PHED 1164)
- 1021 **Bowling**
- 1031 **Varsity Sports**
- 1051 **Golf**
- 1061 **Conditioning Activities**
- 1081 ***Adapted Physical Education** (by permission only)
- 1091 **Dance Activities**
- 1101 **Sailing**
- 1111 **Jogging & Physical Fitness Appraisal**
- 1121 **Angling & Casting**
- 1131 **Tumbling**
- 1141 **Badminton**
- 1151 **Soccer**
- 1161 **Weight Training**
- 1171 **Softball**
- 1181 **Volleyball**
- 1191 **Flag Football**
- 1201 **Basketball**
- 1211 **Pilates**
- 1271 **Backpacking**
- 1291 **Walking and Aerobic Fitness**
- 1311 **Spinning**
- 1321 **Canoeing**
- 1341 **Beach Volleyball**
- 1401 **Racquetball**
- 1411 **Beginning Cycling**
- 1421 **Advanced Cycling**
- 1431 **Recreational Cycling**
- 1821 **Tennis**
- 1831 **Kickboxing Aerobics**
- 1841 **Taekwondo: South Korean Martial Arts** (Each student must purchase a uniform through the Department of Athletic Training and Exercise Physiology.)
- 1851 **Fencing**

COURSES IN EXERCISE PHYSIOLOGY (EXPH)

(formerly courses in Kinesiology – KNES)

- 1203. **Health and Wellness** (TCCNS = PHED 1304) 3(3-0)
In-depth study of the dynamic process involved in achieving and maintaining health and fitness across the lifespan. (Same as ATRN 1203.)
- 1983. **Anatomical Assessment of Human Movement** 3(2-2)
Examination of the anatomical basis of human movement with consideration given to biomechanical constraints that influence normal, athletic, and pathological movement. Primary systems of study are skeletal, muscular, cardiovascular, and respiratory systems.
- 1993. **Fundamentals of Human Movement** 3(3-0)
Analysis and development of fundamental movement and sport skills. Emphasis on biomechanical, developmental and motor learning principles which relate to performing skills correctly, along with developmentally and instructionally appropriate teaching progressions.

2002. Exercise Leadership

2(1-2)

Prerequisites: Sophomore standing, Athletic Training and Exercise Physiology Department majors only. Required for Exercise Physiology majors.

A comprehensive theory and practice course to prepare students to function as a sports/exercise science practitioner with individuals and small groups in commercial, education, and clinical environments. Includes a combination of science-based theoretical lectures addressing the exercise programming of individuals, practical exercise leadership experience with individuals and small groups, and regular student participation in a variety of physical activity modalities according to ACMS/NSCA/ASEP/USOC recommendations. Satisfies two exercise physiology activity course requirements.

2213. First Aid and Safety (TCCNS = PHED 1306)

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 (TCCNS = BIOL 1322, HECO 1322, TECA 1318)

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.

2503. Physiology of Sport and Fitness

3(2-2)

A study of human physiology relevant to coaches and fitness professionals. A secondary focus of the course is practical experience in field-based physiological measures of fitness and performance.

3331. Sport and Exercise Pharmacology

1(1-0)

Prerequisite: Junior standing in Exercise Physiology or Athletic Training.

A survey of important pharmacological concepts and agents relevant to health, sport, and fitness professionals.

3913. Therapeutic Exercise (formerly 4813)

3(3-0)

Prerequisites: EXPH 1983 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 3913.)

4676. Internship in Exercise Physiology

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 exercise physiology.

4703. Exercise Physiology and Clinical Assessment

3(2-2)

Prerequisite: Junior standing in Exercise Physiology or Athletic Training.

An in-depth study of physiologic principles of exercise and exercise testing in clinical and research settings. Topics include: metabolism, diagnostic exercise assessment, cardiovascular physiology, ECG interpretation, American College of Sports Medicine guidelines for exercise testing and exercise prescriptions.

4953. Clinical Exercise Physiology I

3(1-5)

Prerequisites: Junior or senior standing in Exercise Physiology, ENGL 3203, EXPH 1983, 2503, and 4703.

Directed development and practice of theories, concepts, and skills specific to clinical allied health applications. Emphasis on student synthesis of prior curricular materials into useful client and patient centered activities in approved professional environments.

4963. Clinical Exercise Physiology II

3(1-5)

Prerequisites: Junior or senior standing in Exercise Physiology, ENGL 3203, EXPH 1983, 2503, 4703, and 4953 (or concurrent enrollment).

Continuation of EXPH 4953.

4991, 4992, 4993. Independent Study in Exercise Physiology

1-3 semester hours

Prerequisites: Junior or senior standing in exercise physiology and permission of instructor.

Specialized studies in the scientific and applied areas of the exercise sciences.

CRIMINAL JUSTICE

Nathan R. Moran, Chair (Martin Building 105)

Associate Professor: Moran

Assistant Professor: Fidelie

Instructors: Callahan, Paddack

Professor Emeritus: Grant

Criminal Justice is a discipline that encompasses the preservation and protection of social order in a free society. It includes such principles as democracy, rule of law, constitutionalism, civil liberties, and the safeguarding of citizens against intimidation and oppression. The Criminal Justice curriculum, which is based on the University's liberal arts core, is designed to prepare students for higher education or entering careers in criminal justice. Graduates are expected to continue their personal and professional development in a variety of practical settings. To achieve this mission, four dimensions of development serve as a basis for the curriculum.

- (1) **Knowledge, Reasoning, Judgment:** The Criminal Justice curriculum provides students with the opportunity and assistance to acquire knowledge of the roles of policing, courts, laws, corrections, and international affairs as they contribute to social order. Students will gain knowledge of the history, concepts, and critical issues in these areas through criminal justice required courses. The curriculum further provides a theoretical foundation of the discipline, combined with a thorough understanding of the scientific methods as it applies to criminal justice. This combination is expected to sharpen the students' talents of reasoning and judgment – qualities imperative to rational functioning in the discipline.
- (2) **Ability, Skills, Integration:** The Criminal Justice curriculum provides students with the ability to achieve the professional goals of criminal justice. Students will learn how to prudently integrate knowledge and practice in criminal justice. Furthermore, the curriculum provides students with an opportunity to develop the individual and group skills necessary to meet various role expectations.
- (3) **Conduct, Professionalism, Ethics:** The Criminal Justice curriculum will provide graduates with an appreciation for the complexity and dilemmas associated with the criminal justice profession. Criminal Justice students will be exposed to the moral and ethical dimensions of the various careers within the discipline and will be charged with the essential aptitudes necessary for their professional conduct.
- (4) **Vision, Change, Adaptation:** The Criminal Justice curriculum will provide students with an understanding of the discipline as it currently exists and as it is envisioned to be in the future. The Criminal Justice student will be able to apply vision in the face of change and to respond to the evolving nature of criminal justice and society. Furthermore, students will be equipped with the tools of adaptation for making these changes.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE IN CRIMINAL JUSTICE DEGREE

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Additional Program Requirements

One year in one foreign language OR six to eight additional hours of science.

NOTE: The foreign language taken may be used for both the University's humanities requirement, as well as the CRJU additional 6-8 hours of foreign language, but **cannot** be counted twice towards the total 120 hours needed to graduate.

REQUIREMENTS FOR A MAJOR IN CRIMINAL JUSTICE (NO MINOR)

Major (48 semester hours)

Forty-eight semester hours to include CRJU 1113, 2213 or 2223, 2233 or 2243, 2933, 2943, 3213, 3713, 4213, 4253, 4993, and 18 additional advanced hours to total 33 advanced hours.

REQUIREMENTS FOR A MAJOR IN CRIMINAL JUSTICE (WITH A MINOR or DUAL MAJOR)

Major (36 semester hours)

Thirty-six semester hours to include CRJU 1113, 2213 or 2223, 2233 or 2243, 2943, 3213, 3713, 4213, 4253, 4993, and 9 additional advanced hours to total at least 24 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 to include CRJU 1113, 2213 or 2223, 2233 or 2243, 4213, 4253, and 6 additional advanced hours to total at least 12 advanced hours.

COURSES IN CRIMINAL JUSTICE (CRJU)

1113. Introduction to Criminal Justice (TCCNS = CRIJ 1301) 3(3-0)

Studies the history, development, and philosophy of the criminal justice system. Introduces the agencies, theories and models involved in the administration of criminal justice.

2123. Police-Community Relations 3(3-0)

Prerequisite: CRJU 1113.

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 (TCCNS = CRIJ 2323) 3(3-0)

Prerequisite: CRJU 1113.

Substantive law relating to law enforcement with special attention on Constitutional issues and case law. Emphasis on the application of statutes and cases to the enforcement of laws and liability of peace officers.

2223. Legal Aspects of Corrections 3(3-0)

Prerequisite: CRJU 1113.

Substantive and procedural law relating to corrections with special attention on Con-

stitutional issues and case law. Emphasis on application of statutes and cases to basic rights of convicted persons.

2233. Police Systems and Practices (TCCNS = CRIJ 2328) 3(3-0)

Prerequisite: CRJU 1113.

Study of the police professions, organization of law enforcement systems, the police role, police discretion and ethics, and current and future issues.

2243. Correctional Systems and Practices (TCCNS = CRIJ 2313) 3(3-0)

Prerequisite: CRJU 1113.

Study of corrections in the criminal justice system including institutional operations, alternatives to institutionalization, and treatment and rehabilitation.

2933. Judicial Systems and Practices (formerly 3933) (TCCNS = CRIJ 1306) 3(3-0)

Prerequisite: CRJU 1113.

Study of the U.S. judicial system. Designed to familiarize the student with the criminal judicial process and the basics of criminal law and procedure.

2943. Writing for the Criminal Justice Professional 3(3-0)

Prerequisite: CRJU 1113.

Research techniques and documentation styles, with emphasis added on analyzing data and incorporating research findings into documented essays and research projects in the criminal justice environment. Upon completion, students should be able to summarize, paraphrase, interpret, and synthesize information from primary and secondary sources using standard research format and style.

3103. Criminology 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

Analysis of crime and delinquent behavior in the context of human deviance. Emphasis is placed on alternative explanations of the causes of criminal behavior, the degree of crime, community response to crime, and agencies of social control.

3113. Organized Crime 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

Historical review and activities of national and international organized crime groups. Emphasis is placed on the nature and concept of organized crime, both traditional and nontraditional, as well as the rise of the modern street gang. Focus is on emerging strategies used in the fight against organized crime.

3123. Theories of Crime Analysis 3(3-0)

Prerequisite: Junior or senior standing.

Overview of the theory behind the crime analysis process covering both basic and advanced concepts. Outlines major issues that crime analysts and crime analysis units must face. Essential study includes setting up a crime analysis unit, crime data, statistics, major investigations and the linking of criminals and their relationship to each other.

3133. MS Office for Community Policing 3(3-0)

Prerequisite: Junior or senior standing.

Overview of the crime analysis process using an application software (Microsoft Office). Essentials of understanding the usefulness of the software and the components in the office package and how it is applicable to crime analysis. Collection and analysis of data is studied through the import/entry process into the software.

3213. Research Methods 3(3-0)

Prerequisite: Junior or senior standing.

Methods and techniques of research in the administration of justice and other behavioral sciences. Historical development of psychological and social research, techniques

and problems. Quantitative and qualitative methods of data collection through practical application and research design development.

3223. Terrorism 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

An overview of the fields of terrorism, counter-terrorism, and intelligence. Using a multi-dimensional approach that draws from international relations, law, and police strategies, the course emphasizes research and analysis. Students also gain the ability to examine and scrutinize international strategies aimed at reducing terrorist incidents.

3313. Law and Society 3(3-0)

Prerequisite: Junior or senior standing.

Examination of the objectives, functions and limitations of criminal law and procedures. Analyzes issues such as substance abuse, victimology, domestic violence and civil liability for criminal justice practitioners.

3323. Emergency Administration 3(3-0)

Prerequisite: Junior or senior standing.

An in-depth analysis of planning and administration for emergency management in the criminal justice environment (including public & not-for-profit sectors); the need for emergency planning, identification and allocation of resources, incident command procedure, and safety in the working environment.

3463. Community Corrections Supervision 3(3-0)

Prerequisites: CRJU 1113, 2223 or 2243, and junior or senior standing.

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: Nine hours of CRJU courses or consent of the instructor, junior or senior standing.

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.

3723. Geographic Information Systems 3(3-0)

Prerequisite: Junior or senior standing.

An overview of Geographic Information Systems (GIS) uses in criminal justice. Special emphasis is placed on GIS uses within law enforcement and hot spot analysis as a tool in reducing crime.

3733. Juvenile Delinquency 3(3-0)

Prerequisite: Junior or senior standing.

Nature, extent and causes of juvenile offenders and delinquency in the criminal justice system. Impact of gangs and violence among youth, delinquency prevention programs, and the institutional controls and correctional programs in the criminal justice system.

3913. Fundamentals of Criminal Investigation (formerly 2913) 3(3-0)

Prerequisite: Junior or senior standing.

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.

3923. Criminal Intelligence 3(3-0)

Prerequisite: Junior or senior standing.

An overview of the criminal intelligence process. Emphasis is placed on defining criminal intelligence, issues facing crime analysts and crime analysis units, and practical application in law enforcement.

4133. Public Administration 3(3-0)

Prerequisite: Junior or senior standing.

Structure, administration, major services, political processes, and decision-making functions of governmental agencies. Comparison of federal, state, and local entities and policy-making. Consideration of the relationship between politics, society, and economics within the administration of justice.

4213. Criminal Law 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

Purpose and goals of criminal law and a study of the historic development of its basic concepts. Examines substantive criminal law with emphasis on Texas Criminal Law. Emphasis on analyzing recent court cases and 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: Nine hours of CRJU courses, junior or senior standing.

Procedural laws of the State of Texas with particular attention to the provisions of the Code of Criminal Procedure. 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)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

Development and interpretation of select Amendments of the United States Constitution specific to the criminal justice practitioner and the administration of justice.

4253. Comparative Criminal Justice Systems 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

The study of criminal justice in societies other than the United States including, but not limited to, the European region, the Asian region, and the African region. Emphasis is on the uncommon roots of criminal justice in these regions and the effectiveness of such systems in responding to criminal behavior.

4263. Correctional Counseling 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

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.

4273. Homeland Security 3(3-0)

Prerequisite: Junior or senior standing.

Principles and practices associated with the emerging discipline of homeland security. Policies, directives, national plans, and legislation that shape and define the ongoing evolution of homeland security. Key issues include civil liberties and diversity. Relationship to public safety, private security, and national security.

4283. Crimes Against Children 3(3-0)

Prerequisite: Junior or senior standing.

Examines criminal activity targeted against children. Physical and sexual abuse, neglect, kidnapping, and sexual exploitation of children. Special attention is focused on the dynamics of the relationship between victims and offenders and how that is a factor in the investigation and prosecution of criminal acts.

4333. Contemporary Correctional Issues 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

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.

4403. Profiling Criminal Behaviors 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

Acquaint the student with the behavioral profile of persons who commit violent criminal acts. Concepts of victimology, crime scene indicators, staging, personation and serial crime are thoroughly discussed. The study of homicide, arson and sexual assault comprise the majority of the course, with additional attention given to domestic abuse, stalking, workplace/school violence, hostages and assassins.

4413. Administration of Justice 3(3-0)

Prerequisites: Nine hours of CRJU courses, junior or senior standing.

Principles and procedures for the administration of criminal justice agencies. Introduction to modern management techniques and application of skills required for pragmatic criminal justice issues. Special emphasis includes labor relations, contract negotiations, budgeting, and other relative matters.

4773. Internship in Criminal Justice 3 semester hours

Prerequisites: CRJU major, junior or senior standing.

Field experience in selected criminal justice agencies. May be repeated for credit up to 12 hours.

4901. Independent Studies 1(1-0)

Prerequisites: CRJU major, minimum of 2.5 cumulative GPA with a 3.0 GPA in the major, senior standing.

Supervised reading in the field of criminal justice.

4902. Independent Studies 2(2-0)

Prerequisites: CRJU major, minimum of 2.5 cumulative GPA with a 3.0 GPA in the major, senior standing.

Supervised reading in the field of criminal justice.

4903. Independent Studies 3(3-0)

Prerequisites: CRJU major, minimum of 2.5 cumulative GPA with a 3.0 GPA in the major, senior standing.

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: Nine hours of CRJU courses, junior or senior standing.

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: Nine hours of CRJU courses, junior or senior standing.

Study and research of specific issues in the criminal justice system. May be repeated for credit when topics vary.

4943. Research Practicum 3(3-0)

Prerequisites: 12 hours of CRJU courses, senior standing, and department chair approval.

Supervised training to include special applications in information acquisition, storage, analysis, and display in criminal justice. May be repeated once for a total of 6 hours of credit.

4993. Capstone

3(3-0)

Prerequisites: Major in Criminal Justice and senior standing.

The integration of knowledge concerning the criminal justice system, criminal law, criminology, juvenile delinquency, law enforcement, corrections, administration, legal aspects, and research methods. Restricted to students receiving the baccalaureate degree in Criminal Justice. Registration is required during the final semester of the student's senior year in which the degree is to be received.

DENTAL HYGIENE

Barbara DeBois, Chair (Gaines Clinic, J.S. Bridwell Hall)

Associate Professor: Davis

Assistant Professors: DeBois, Crump, Curran

MISSION STATEMENT FOR THE DENTAL HYGIENE PROGRAM

It is the mission of the Midwestern State University Dental Hygiene Department to prepare dental hygienists who will provide competent and compassionate oral health care to individuals as well as communities. To prepare oral health care providers with strong clinical skills, ethical professional values, and who recognize and respect diversity of thought in the global community. The role of the faculty is to facilitate learning and to guide students to their own potential through role modeling and sensitivity to them as individuals. The department strives to create a positive and rewarding academic environment that facilitates continued growth and enrichment of all students and faculty. To encourage an interdisciplinary approach between dental hygiene and dentistry as well as other health professional components, the maintenance of high standards of evidence based patient care, life-long learning and service to the community.

The Bachelor of Science in Dental Hygiene (123 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 (57 hours + 2 activity courses) and (2) the dental hygiene courses (64 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 Commission on Dental Accreditation. 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 guidelines and criteria regulating the eligibility of persons with criminal convictions, mental illness, and/or chemical dependency to obtain a license to practice dental hygiene in the state of Texas. All applicants applying for licensure must complete a Fingerprint Criminal Background Check before submitting an application for initial licensure. (Detailed information is available from the Texas State Board of Dental Examiners - <http://www.tsbde.state.tx.us> - Texas Occupations Code, Title 3, Chapter 263.) A

student who has concerns in this area is encouraged to contact the Dental State Board in the state in which he/she wishes to practice early in his/her academic career. The profession of dental hygiene is classified as a Category I level (high-risk) profession for blood-borne pathogens, according to OSHA standards.

A person with certain musculoskeletal conditions may have difficulty performing the daily activities required in the profession of dental hygiene. These include, but are not limited to, degenerative conditions or injuries to the neck, back, shoulder, elbow, wrist, and/or hands. Examples: herniated or bulging disks, chronic rotator cuff symptoms, and carpal tunnel syndrome. It is strongly recommended that individuals with any of these conditions be evaluated by their physician prior to pursuing the dental hygiene degree.

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 a dental hygiene application and most recent transcripts depicting completed courses, as well as courses in progress, directly to the MSU Dental Hygiene Department with the \$25.00 application fee. Dental Hygiene applications can be downloaded from the MSU Dental Hygiene website at <http://hs2.mwsu.edu/dental>.
3. Present a minimum cumulative GPA of 2.50 and a minimum science GPA of 2.50 for all semester hour credits attempted pertaining to the BSDH prerequisite and core academic courses.
4. Provide documentation of work experience or 80 hours of observation in a dental office. The documentation form can be downloaded from the MSU Dental Hygiene website listed in #2 above.
5. Complete the Health Occupations Basic Entrance Test (HOBET) **OR** the Nursing Entrance Test (NET) with a score of 63% or higher in **BOTH, Main Ideas of Passage AND Reading Comprehension**. Exams may be taken only two times within a six month time frame. Contact MSU Testing Services at 940-397-4676. Only HOBET or NET will be accepted, no exceptions. Exams can be taken at sites other than MSU.
6. Successfully complete the following courses prior to entering the dental hygiene program. Recommended degree plan can be downloaded from the Dental Hygiene website listed in #2 above.

Dental Hygiene Science Prerequisites (18 semester hours):

BIOL 1134, 1234, 2144
CHEM 1203
Nutrition (3 hours)

Basic Core (27 semester hours):

POLS 1333, 1433
ENGL 1113, 1123
MATH - 3 hours college level (other than developmental)
HIST 1133, 1233
SPCH 1133, 1233, or 2423

Demonstrate computer literacy by taking a proficiency test or earning credit for CMPS 1013, 1033, 1043, or EDUC 1023 - 3 hours

Additional Academic Course Work (14 semester hours):

Fine Arts (3 hours)
HUMN (3 hours)
EXPH (2 activities)
PSYC 1103
SOCL 1133

APPLICANT SELECTION PROCEDURES

Due to the limited availability of clinical positions, the selection process for admission into the dental hygiene program is based upon a ranking system. Applicant ranking will be based upon, but not limited to:

- GPA of prerequisite courses (cumulative GPA and science GPA)
- Number of prerequisite and core courses completed with a grade of B or better
- Number of prerequisite and core courses in progress at application deadline
- Previous dental-related experience
- Dental Hygiene Program Application
- Performance on the Health Occupations Basic Entrance Test (HOBET) or the Nursing Entrance Test (NET)

For additional information on application procedures, admission requirements, and applicant ranking computations, visit the department website at: <http://hs2.mwsu.edu/dental>

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 (64 semester hours) Dental Hygiene 3002, 3003, 3005, 3013, 3014, 3022, 3023, 3102, 3114, 3124, 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 with the approval of the BSDH Program Admissions Committee. 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. A student who withdraws from the Dental Hygiene Program and/or the University must go through the dental hygiene admissions process again in order to be readmitted.
5. 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 I (DNHY 3114), the student must provide documentation of:

1. An eye examination within the preceding six months.

Prior to enrollment in Clinical Practice II (DNHY 3005), the student must provide documentation of the following requirements. These requirements will be discussed with the student during Clinical Practice I.

1. Program approved student liability insurance.
2. Completion of physical examination.
3. Health insurance.
4. Compliance with state and program mandated immunizations.

TRANSFER POLICIES

Only students transferring from an accredited dental hygiene program will be considered for admission with advanced standing. Transfer students will be considered on a space available basis and must meet the following criteria:

1. Transfer students must meet the admission requirements of the University and the Dental Hygiene Department.
2. Students must submit an application to the MSU Dental Hygiene Department by April 1 for the following fall admission.
3. Progression requirements for these students are identical to those of the MSU dental hygiene students.
4. Students wishing to transfer dental hygiene courses from another dental hygiene program must meet the following criteria:
 - a. Dental hygiene courses to be transferred were completed at a CODA accredited dental hygiene program.
 - b. A grade of B or better was earned in all dental hygiene courses.
 - c. A written statement from the Dean or Chair of the previous program must accompany the application form. The statement must indicate that the student is in good academic standing and is eligible for readmission to the program from which he or she is transferring.
 - d. Documentation on dental hygiene courses the student would like to transfer into the MSU Dental Hygiene Program must be submitted in a well-organized notebook to the Chair of the department. A copy of the letter of good standing must accompany the notebook, as well as a copy of the admission application. The faculty of record for selected courses will review the packet for equivalency to MSU dental hygiene courses.
 - e. All potential transfer students are reviewed by the Dental Hygiene Admissions Committee, which will make recommendation regarding admission and placement.
5. Transfer credit will be evaluated according to University policy.
6. Transfer students must earn 31 semester credit hours in 3000/4000 level courses at MSU.

COURSES IN DENTAL HYGIENE (DNHY)

3002. Oral Radiology I

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

3(3-0)

Prerequisites: DNHY 3014, 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. Discussion of basic research methodology in regard to product evaluation. An examination of common physical 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/healthcare provider relationship regarding ethical and legal responsibilities of each.

3005. Clinical Practice II 5(0-10)

Prerequisites: DNHY 3014, 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)

Study of the materials used in restorative dentistry and in various other specialty areas of dentistry to fabricate dental appliances and tooth restorations. This course includes lecture and laboratory components designed to help students develop an understanding of the composition, properties, structure, and manipulative variables of dental materials historically used in dentistry, as well as the most current materials available. Emphasis is placed on practical, clinical applications of materials; the dental hygienist's role in educating patients regarding these materials; and the techniques for placement of the materials in the oral cavity.

3014. Dental Hygiene I (formerly 3113) 4(4-0)

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.

3022. Histology 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 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 radi-

ographs. Also includes discussions of infection control in radiographic procedures, quality assurance in dental radiography, intra and extraoral film placement criteria, and principles of panoramic radiography.

3114. Clinical Practice I 4(0-8)

Prerequisites: Admission procedures completed or consent of Dental Hygiene Department Chair. Concurrent enrollment in DNHY 3014.

Application of didactic instruction from the course Dental Hygiene I (DNHY 3014) 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).

3124. Head, Neck, and Dental Anatomy (formerly 3123) 4(4-0)

Detailed anatomy of dental structures with special emphasis on human dentition 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 of the principles of human disease including pathogenesis, clinical appearance, and treatment. In certain instances, microscopic features will be discussed if they enhance the understanding of the disease process. A portion of the course is devoted to basic principles of general pathology. The majority of the course is an overview of oral pathology with an emphasis on the dental hygienist's role in the recognition of oral disease.

4013. Dental Health Education 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, cultural, 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. Introduction of objectives, curriculum development, and preparation of lesson plans for oral health presentations.

4018. Clinical Practice III 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. Furthers 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 planning. 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. Provides an overview of how statistics are utilized in research and development of public programs. Specific topics include but are not limited

to study design, central tendency and variability, probability, repeated analysis of variance, data association and prediction, and the evaluation of research studies.

4023. Dental Hygiene III

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 planning. 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 critical thinking skills in obtaining comprehensive patient medical histories and development of dental hygiene treatment plans. 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 dental hygiene student to practitioner in private practice dental offices and/or public health institutions with guest lecturers; discussions on new developments in patient care; resume writing and job interviewing; patient and personal insurance; and legal/ethical issues 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 extramural 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

3(3-0)

This course is designed to provide students with the opportunity to study pharmacology as it relates to clinical dental hygiene. Drug references; prescriptions; drug action; various drug groups prescribed by physicians that affect dental hygiene care, and various drug groups used in dentistry are included for study.

HEALTH SERVICES ADMINISTRATION

The College of Health Sciences and Human Services offers courses in health services administration.

COURSES IN HEALTH SERVICES ADMINISTRATION (HSAD)

3213. The Art of Healing 3(3-0)

Prerequisite: Honors standing or permission of instructor.

Exploration of the expressive art to heal including holistic and complementary healing practices; discussion of general and empiric knowledge as well as practical application; analyzing of both historical and cultural anthropological health practices; examination of complementary/alternative healing practices and traditional medicine.

4006. Public Health – Determinants of Health Disparities – A Comparative International Perspective 6(6-0)

Course will investigate (1) the delivery of health care needs/services of selected populations in the U.S. and Great Britain; (2) description of health disparities and measurement issues; (3) determinants of health disparities: politics and health insurance coverage, economics, social and physical environmental factors, behavioral and emotional variables; (4) impact of aging of the populations, increased racial and ethnic diversity and technological developments; (5) intervention strategies and evaluation results. Each student will be expected to complete a substantial, original research paper or project to satisfy the six hour requirement. This course will only be taught as part of the British Studies program in London, England.

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.

JOHN AND NEVILS WILSON SCHOOL OF NURSING

Karen Polvado, Chair (J. S. Bridwell Hall 313)

Professors: Hamilton, Sportsman

Assistant Professors: Anderson, Bedoian, Bowles, Close, Collins, Distel, Genung, Gibson, Leach, Lockhart, Mercer, Polvado, Roberts, Robinson, Smith, D. Stewart, J. Stewart, Stramski, Walker, Williamson

Professors Emeriti: Flanders, Inman, Johnson, Mezzo, Tickle

MISSION STATEMENT FOR THE NURSING PROGRAM

It is the mission of the Wilson School of Nursing to prepare nurses who will provide competent and compassionate health care to individuals, families, groups, and communities. The nursing faculty values teaching/learning in an individualized, collegial environment inclusive of a variety of teaching methodologies. Building on a liberal arts foundation, 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 BSN PROGRAMS

The Wilson School of Nursing offers curricula leading to a Bachelor of Science in Nursing (BSN). These curricula include a prelicensure (generic) program for students who do not have a license to practice as a Registered Nurse and a post-licensure RN to BSN program for RNs who have graduated from hospital-based programs or who hold associate degrees in nursing.

These programs include general education courses that provide a foundation for understanding physiological, psychosocial, cultural, 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 program 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 RN to MSN program is available at MSU, and is fully described in the graduate catalog.

The BSN program is accredited by the Commission on Collegiate Nursing Education (CCNE) and the Texas Board of Nursing (BON). The program includes a total of 128 hours (60 hours nursing and 68 non-nursing hours) for the prelicensure student and a total of 124 hours in the RN/BSN program (58 nursing hours, including 30 hours awarded through the Texas Nurses Association (TNA) Articulation Agreement, and 66 non-nursing hours).

Upon completion of the program, the graduates (prelicensure BSN) are eligible to take the National Council Licensure Examination 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.

INFORMATION REGARDING ELIGIBILITY TO WRITE NCLEX

The BON has established guidelines and criteria regarding the eligibility of persons with criminal convictions to obtain a license as a registered nurse. The BON 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. A Federal Bureau of Investigation (FBI) criminal background check is required by the BNE. Convictions for offenses other than the minor in possession or traffic violations will be investigated.

The Texas Board of Nursing (BON) 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 BON 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 Texas Board of Nursing (BON) early in their academic career. BON investigations may take up to a year. Detailed information is available from the Texas Board of Nursing at <http://www.bne.state.tx.us>.

ADMISSION INTO THE NURSING MAJOR (BSN, Prelicensure)

1. Submit an MSU application to the university (application fee \$25). Student must be admitted to the university by July 1 for fall admission and November 1 for spring admission.
2. Request official transcripts from each university/college attended be mailed to MSU's Admissions Office.
3. Submit your application to the West Texas Nursing Education Consortium (WTNEC) Regional Application Portal:
<https://portal.wtnec.org>
 Submit official transcripts to:
 WTNEC Transcript Processing Center
 PO Box 9114
 Watertown, MA 02471
 (Note: official transcripts must be sent to both MSU Admissions Office and WTNEC.)
 A supplemental application must also be submitted to the Wilson School of Nursing, which can be found at: http://hs2.mwsu.edu/nursing/bsn_prelicensure.asp.
 Fall application dates: December 15 – February 28
 Spring application dates: August 15 – September 30
 Deadline is 11:59 p.m. on the final day.
 Applications received before or after these time periods will not be considered.
4. Submit Nursing Entrance Test (NET) or HOBET scores via postal mail by the above deadlines to:
 Midwestern State University
 Wilson School of Nursing
 3410 Taft Blvd.
 Wichita Falls, TX 76308
 - **Scores must be received by the application deadlines** of February 28 (for fall) and September 30 (for spring).
 - Contact MSU Testing Center for test dates.
 - NET exam may be taken at test sites other than MSU.
 - NET or HOBET **must** reflect a **reading level of high school or above** for the application to be considered for admission.
5. A grade of "C" or higher on all science courses.
6. The following courses are core courses (NOT required before admission into nursing program) required for the BSN degree before graduation:

Statistics	Introduction to Computers
Humanities (6 hours)*	General or Macro Economics
American Government (Texas)	Speech
American Government	Fine Arts (Music, Art, Theatre – 3 hours)
American History to 1865	American History since 1865
Two (2) Exercise Physiology activity courses	

* Humanities = humanities, western civilization, English literature, philosophy, or a 2 semester sequence of one foreign language.
7. Complete the following courses prior to beginning nursing program: (May apply to program while enrolled in prerequisite courses).

Anatomy and Physiology I & II	Microbiology
Introduction to Sociology	Chemistry
Rhetoric and Composition I & II	General Psychology
Developmental Psychology	College-level math
8. Provide documentation for the following requirements prior to beginning the clinical courses (2nd semester in program). These requirements will be discussed further with the student at a mandatory orientation once the student has been accepted into the program:

- a. Completion of a physical examination;
 - b. Health insurance coverage;
 - c. Nursing student liability insurance;
 - d. Either American Heart Association Healthcare Provider CPR certification with hands-on skills or American Red Cross CPR/AED for the Professional Rescuer and Healthcare Provider certification with hands-on skills;
 - e. FBI Criminal Background Check; and
 - f. Ten Panel Urine Drug Screen.
9. Compliance with state of Texas-mandated and program immunizations. Note: You will be required to show proof of at least the first Hepatitis B immunization in order to progress in nursing courses.

NOTE: Admission to NURS 3212 – Family Health Assessment (spring or fall only) constitutes formal admission to the Wilson School of Nursing Program.

ADMISSIONS PROCESS

Since the number of applicants usually exceeds the number of students allowed for admission, all applicants will be awarded points for ranking purposes. The Wilson School of Nursing Admission's Committee will evaluate all applications and rank them according to the criteria point values listed below. Applicants will be accepted into the program as ranked for admission and according to the number of clinical positions available. Concerning applicants with a tie score, the higher science GPA will receive the higher ranking position.



RANKING COMPUTATION (Effective Fall 2008)

Criteria	Point Value
BSN core & prerequisite courses with a grade of "C" or above. *1 point deducted for each course repeated more than two (2) times.	2 points per course with grade of "C" or above, excluding exercise physiology activity courses (max. 42 points)
BSN prerequisite courses with a grade of "B" or above. *No credit for science courses taken more than two (2) times.	1 point per course with grade of "B" or above (max. 10 points) <i>A&P I & II, Microbiology, Chemistry, Math, English I & II, Gen. Psychology, Intro to Sociology, Developmental Psychology</i>
BSN core and/or prerequisite courses currently in progress.	1 point per course
Cumulative GPA of all core and prerequisite courses.	1 point for each 0.10 over 2.50
GPA of BSN prerequisite courses.	1 point for each 0.10 over 2.50
Working Experience (minimum of 6 months in length).	1.5 points - LVN/LPN 1.0 point - CNA/EMT/MED Tech 0.5 point - Nurse's Aid
Prerequisites completed or in progress at MSU.	2.0 points - 20 to 22 courses 1.0 point - 10 to 19 courses 0.5 point - 1 to 9 courses
HOBET – Health Occupations Basic Entrance Test or NET – Nursing Entrance Test (Reading Comprehension Skills must reflect a reading level of high school or above for the application to be considered.) <u>No other tests will be accepted, no exceptions.</u>	1 point - High School Skills 2 points - Post High School Skills
Holds a bachelor's degree (or higher)	1 point

NURSING CLASSES REQUIRED FOR THE BSN DEGREE (GENERIC)

NURS	3103	Introduction to Nursing* (Fall/Spring)	3
NURS	3203	Pathophysiologic Process* (Fall/Spring/Summer)	3
NURS	3211/3212	Family Health Assessment (Fall/Spring)	3
NURS	3242/3243	Basic Nursing Care (Fall/Spring)	5
NURS	3313	Pharmacology (Summer/Fall/Spring)	3
NURS	3412/3413	Mental Health Nursing (Fall/Spring)	5
NURS	3422/3423	Family Health Nursing Care I (Fall/Spring)	5
NURS	3503	Nursing Research (Spring/Summer/Fall)	3
NURS	4002/4013	Nursing of the Childbearing Family (Fall/Spring)	5
NURS	4022/4023	Family Health Nursing Care II (Fall/Spring)	5
NURS	4042/4053	Pediatric Nursing Care (Fall/Spring)	5
NURS	4152/4153	Community Health Nursing Care (Fall/Spring)	5
NURS	4301/4304	Leadership in Nursing (Fall/Spring)	5
NURS	4612/4613	Clinical Decision Making (Fall/Spring)	5
Major Courses			60

*Courses may be taken prior to admission or concurrently with NURS 3211/3212.

If transfer credit causes the required nursing courses to total less than 60 hours, a Nutrition course may be used to reach the required total.

NON-NURSING COURSES/REQUIREMENTS FOR THE BSN DEGREE (Prelicensure)

*Anatomy and Physiology I and II	8
*Microbiology	4
*Rhetoric and Composition I & II	6
*General Psychology	3
*Introduction to Sociology	3
*Developmental Psychology	3
*Chemistry (no lab)	3
*College-level math (not developmental)	3
**Statistics (NURS 4123 recommended)	3
**Humanities (courses in literature, Western Civilization, humanities, philosophy, OR a two-semester sequence of a foreign language)	6
**General or Macro Economics	3
**American Government (two semesters)	6
**Survey of U.S. History (two semesters)	6
**Speech Communication, Voice and Diction, or Interpersonal Communication	3
**Two different activity courses	2
**Fine Arts (music, art, or theatre - no applied music) or MCOM 2213	3
**Computer Competency (proficiency exam or introductory computer course)	3
Writing Proficiency Requirement (Exam or ENGL 2113)	

*required prior to admission

**students should complete most of these requirements prior to admission, as the nursing curriculum in the final two (2) years constitutes full-time study.

ADMISSION INTO THE BSN PROGRAM (RN TO BSN/Post-licensure)

The student must:

- complete an application for admission to the BSN Program;
- hold licensure as a Registered Nurse (Texas or designated State);
- have official transcripts from all colleges/universities and/or diploma school of nursing sent to MSU Admissions;
- meet TNA Articulation Agreement requirements;
- complete the following courses prior to NURS 3203 and 3211/3212:
 - Anatomy & Physiology I & II
 - Microbiology
 - Chemistry 3 hours
- provide documentation of the following prior to enrollment in clinical courses:
 - professional liability insurance;
 - completion of physical examination;
 - health insurance;
 - compliance with State or program mandated immunizations;
 - current licensure (GNs may enroll in one semester of nursing courses with the stipulation that they must pass the NCLEX-RN prior to completion of the 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.);
 - American Heart Healthcare Provider CPR;
 - Criminal background check; and
 - Ten panel urine drug screen.

NURSING COURSES REQUIRED FOR THE RN TO BSN DEGREE

NURS 3203	Pathophysiologic Processes (Fall/Spring/Summer)	3
NURS 3211/3212	Family Health Assessment (Summer)	3
NURS 3503	Nursing Research (Spring/Summer/Fall)	3
NURS 3701/3704	Advanced Nursing Seminar (Fall)	5
NURS 4143/4144	Community Health Nursing (Fall)	7
NURS 4313/4314	Nursing Management for the Registered Nurse (Spring)	7
TNA Articulation Agreement		<u>30</u>
Major Hours including Articulation Agreement Hours		58

NON-NURSING/ REQUIREMENTS FOR THE RN TO BSN DEGREE**Basic Core (27 semester hours)**

English 1113, 1123

History 1133, 1233

Mathematics 1053, or 1203, or 1233

Political Science 1333, 1433

Speech Communication - 3 hours

Demonstrate computer literacy by taking a proficiency test or earning credit for
CMPS 1013, 1033, 1043, or EDUC 1023 - 3 hours**Academic Course Work (36 semester hours)**

BIOL 1134, 1234, 2144

Chemistry - 3 hours (no lab)

ECON 1333 or 2333

PSYC 1103, 3233

SOCL 1133

Statistics (recommend NURS 4123)

Fine Arts/Humanities (courses in music, art, theatre, literature, Western Civilization, humanities, philosophy, OR a two-semester sequence of a foreign language.) - 6 hours

Additional Requirements

Approved elective 3000- or 4000-level – to bring total to 120 semester credit hours, if needed.

Writing Proficiency Requirement (Pass exam or take and pass ENGL 2113)

ADDITIONAL INFORMATION FOR RN/BSN PROGRAM (See page 100 Special Academic Programs)**TIME LIMITATIONS**

BSN generic students must complete all clinical nursing courses within a 4.5 year period of time (9 long semesters) beginning with initial enrollment in NURS 3211/3212.

RN/BSN students must complete all nursing courses within a four-year period of time beginning with the first nursing course (excluding NURS 3203 Pathophysiology).

TRANSFER POLICY

1. Transfer students must meet the admission requirements of the University and the BSN Program.
2. Admission and progression requirements for these students are identical to those of the MSU BSN Program nursing students.

3. In addition, transfer students who wish to transfer nursing courses from another nursing program 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 of the Wilson School of Nursing. A copy of the letter of good standing shall accompany the notebook, as well as a copy of the admission application. The faculty of record for selected courses will review the packet for equivalency to MSU nursing courses.
 - e. All potential transfer students are reviewed by the Student Affairs Committee, which will make recommendations regarding admission and placement.
4. Transfer credit will be evaluated according to University policy.
5. 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.
6. MSU students who are progressing satisfactorily will be given priority for all classes. Transfer students will be considered on an “as available” basis.
7. Transfer students must earn 31 semester credit hours in 3000/4000 level courses at MSU.

PROGRESSION POLICY FOR BSN GENERIC AND RN/BSN PROGRAMS

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); BIOL 2144 (Microbiology); and chemistry. A grade lower than C precludes admission/progression.
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 minimum 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. 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.
5. A student who is on University academic probation will not be admitted to the program.
6. Failure in any two (2) nursing courses (either the same course twice or two different courses) renders the student ineligible for progression in this nursing program and will result in the dismissal of the student from the program.
7. The BSN Program’s Student Affairs Committee reserves the right to make exceptions to the progression policies due to compelling circumstances. The Student Affairs Committee will consider petitions from students at its regular meetings.

READMISSION/REENTRY POLICY

1. A student seeking readmission must submit a new application from March 1 to April 1 for summer re-admission, October 1 to November 1 for spring re-admission, and May 1 for fall re-admission and 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 nursing 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 reentry 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 the same or any two nursing course(s) (other than NURS 3203), the student will be ineligible for reenrollment or reentry 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 three 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. In addition, the time-limit of 9 long semesters applies.
7. The BSN Program's Student Affairs Committee reserves the right to make exceptions to the progression policies due to compelling circumstances. The Student Affairs Committee will consider petitions from students at its regular meetings.

COURSES IN NURSING (NURS)**3103. Theories and Concepts: Introduction to Nursing** 3(3-0)

Prerequisite: Sophomore standing.

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, 2144, and chemistry (3 hours).

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.

3211. Family Health Assessment Clinical 1(0-3)

Prerequisites: BIOL 1134 and 1234, Pre- or co-requisites: NURS 3103 (generic BSN); NURS 3203. Co-requisite: NURS 3212.

This is the clinical portion of NURS 3212.

3212. Family Health Assessment (formerly 3303) 2(2-0)

Prerequisites: BIOL 1134 and 1234, Pre- or co-requisites: NURS 3103 (generic BSN); NURS 3203. Co-requisite: NURS 3211.

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.

3242. Basic Nursing Clinical 2(0-6)

Prerequisites: NURS 3203, 3211, 3212, ENGL 1113, 1123, MATH 1053 or 1233, PSYC 1103, 3233, and SOCL 1133, Pre- or co-requisite NURS 3313. Co-requisite: NURS 3244.

This is the clinical portion of NURS 3244.

3243. Basic Nursing Care (formerly 3244, 3306) 3(3-0)

Prerequisites: NURS 3103, 3203, 3211, 3212, ENGL 1113, 1123, MATH 1053 or 1233, PSYC 1103, 3233, and SOCL 1133, Co-requisite: NURS 3242.

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, 3203, and 3211/3212.

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.

3412. Mental Health Nursing Clinical 2(0-6)

Prerequisites: NURS 3313, 3242, and 3244. Co-requisite: NURS 3413.

This is the clinical portion of NURS 3413.

3413. Mental Health Nursing (formerly 3406) 3(3-0)

Prerequisites: NURS 3313, 3242, and 3244. Co-requisite: NURS 3412.

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.

3422. Family Health Nursing Care I Clinical (formerly 3433) 2(0-6)

Prerequisites: NURS 3313, 3242, and 3243. Co-requisite: NURS 3423.

This is the clinical portion of NURS 3423.

3423. Family Health Nursing Care I (formerly 3434, 3407) 3(3-0)

Prerequisites: NURS 3313, 3242, and 3243. Co-requisite: NURS 3422.

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 3244/3242.

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.

3701. Advanced Nursing Seminar Clinical 1(0-3)

Co-requisite: NURS 3704.

This is the clinical portion of NURS 3704.

3704. **Advanced Nursing Seminar** (formerly 3705) 4(4-0)
Co-requisite: NURS 3701.

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.

4002. **Nursing of the Childbearing Family Clinical** 2(0-6)
Prerequisites: NURS 4022, 4023, 4042, 4053, 4301, and 4304. Co-requisite: NURS 4013.

This is the clinical portion of NURS 4013.

4013. **Nursing of the Childbearing Family** (formerly 4012, 4004) 3(3-0)
Prerequisites: NURS 4022, 4023, 4042, 4053, 4301, and 4304. Co-requisite: NURS 4002.

The focus of this course is on the application of theories and concepts used by the nurse to assist childbearing families to achieve their maximum potential. There is an emphasis on relationships within families, access to and use of resources, and lifestyle and cultural diversity. Reproductive processes and women's health issues are explored. The spectrum of nursing roles within the context of a variety of healthcare settings along with the process of decision making in healthcare is also explored.

4022. **Family Health Nursing Care II Clinical** (formerly 4033) 2(0-6)
Prerequisites: NURS 3411, 3412, 3413, 3422, and 3423. Co-requisite: NURS 4023.
This is the clinical portion of NURS 4023.

4023. **Family Health Nursing Care II** (formerly 4034, 4007) 3(3-0)
Prerequisites: NURS 3411, 3412, 3413, 3422, and 3423. Co-requisite: NURS 4022.

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.

4042. **Pediatric Nursing Care Clinical** 2(0-6)
Prerequisites: NURS 3412, 3413, 3422, and 3423. Co-requisite: NURS 4053.
This is the clinical portion of NURS 4053.

4053. **Pediatric Nursing Care** (formerly 4052, 4014) 3(3-0)
Prerequisites: NURS 3412, 3413, 3422, and 3423. Co-requisite: NURS 4042.

The focus of the course is on the application of holistic nursing principles and concepts used by the nurse to assist families to achieve their maximum potential. Emphasis is on interrelationships and intra-relationships of children and their families as well as appreciation of cultural diversity. Nursing process will be pediatric specific, with special consideration to developmentally appropriate nursing care and ethical decision making.

4103. **Nursing Care in the United States** 3(3-0)
Prerequisite: Student must be a Registered Nurse who is participating in the Global Scholarship Alliance Program.

The focus of the course is to prepare international registered nurse students for success in advanced nursing courses in the United States. Emphasis will be placed on concepts

related to the U.S. health care delivery system and nursing practice in the U.S., in comparison to the home countries of the students.

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.

4143. Community Health Nursing Clinical 3(0-9)

Co-requisite: NURS 4144.

This is the clinical portion of NURS 4144.

4144. Community Health Nursing (formerly 4107) 4(4-0)

Co-requisite: NURS 4143.

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 is related to community assessment, health promotion/patient education, and primary-secondary-tertiary prevention.

4152. Community Health Nursing Care Clinical 2(0-6)

Prerequisites: NURS 4022, 4023, 4042, 4053, 4301, and 4304. Co-requisite: NURS 4153.

This is the clinical portion of NURS 4153.

4153. Community Health Nursing Care 3(3-0)

Prerequisites: NURS 4022, 4023, 4042, 4053, 4301, and 4304. Co-requisite: NURS 4152.

The focus is on application of holistic nursing principles in the community. Application of nursing process within the community will be explored. Utilization of epidemiological data, health promotion, disease prevention, health planning/teaching, and issues of diversity will be emphasized at the local, state, national, and global levels.

4301. Leadership in Nursing Clinical 1(0-3)

Prerequisites: Senior standing in nursing. Co-requisite: NURS 4304.

This is the clinical portion of NURS 4304.

4304. Leadership in Nursing (formerly 4305) 4(4-0)

Prerequisites: Senior standing in nursing. Co-requisite: NURS 4301.

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.

4313. Nursing Management for the Registered Nurse Clinical 3(0-9)

Co-requisite: NURS 4314.

This is the clinical portion of NURS 4314.

4314. Nursing Management for the Registered Nurse (formerly 4317) 4(4-0)

Co-requisite: NURS 4313.

Emphasis is on the management of nursing care and the management of personnel in

health care settings expanding upon the expertise of the registered nurse. 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 of evaluation of quality within an organization.

4403. Special Topics

3(1-3)

Prerequisite: Senior standing or consent of Chair.

Theoretical and/or clinical application of selected nurses issues.

4503. Selected Nursing Issues

3(3-0)

Prerequisite: Consent of instructor or Chair.

Selected nursing issues. To be conducted on an independent basis with the student and selected nursing faculty member. Issues may vary.

4612. Clinical Decision Making Clinical

2(0-6)

Prerequisite: Must be taken in final semester. Co-requisite: NURS 4613.

This is the clinical portion of NURS 4613.

4613. Clinical Decision Making (formerly 4605)

3(3-0)

Prerequisite: Must be taken in final semester. Co-requisite: NURS 4612.

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.



JOHN AND NEVILS WILSON DISTINGUISHED PROFESSORSHIP OF NURSING

Dr. Patti Hamilton, the John and Nevils Wilson Distinguished Professor of Nursing, is the Dean of the Graduate School at MSU. She is author of the book, *Health Care Consumerism*. Dr. Hamilton has authored or co-authored more than forty publications including scientific articles, book chapters, and work books. She currently is the principal investigator for a research study funded by the Robert Wood Johnson Foundation. Her research interests include the work of nurses and patient care in off-peak hours and the effect of institutional structures on the decisions made by front-line workers in health care and education.

MINNIE RHEA WOOD DISTINGUISHED PROFESSORSHIP OF NURSING

Dr. Susan Sportsman, the Minnie Rhea Wood Distinguished Professor of Nursing, is the Dean of the College of Health Sciences and Human Services at Midwestern State University. She was previously the Associate Dean for Practice at Texas Tech University Health Sciences Center School of Nursing, a hospital administrator, and Assistant Professor at the University of Texas at Arlington. Dr. Sportsman has served in leadership roles in numerous professional organizations, such as the Texas Nurses Association, Texas Nurses Foundation, Nursing Education Policy Coalition, and Texas Society of Allied Health Professionals. Her scholarship interests include the use of patient simulation in competency education and evaluation and conflict management in the health care arena.



RADIOLOGIC SCIENCES

Donna Lee Wright, Chair (J. S. Bridwell Hall 201F)

Professor: Wright

Associate Professors: Comello, Johnston, Killion, Morrison, Phifer, Vealé

Assistant Professors: Sanders, Watts, Wilbanks

Professors Emeriti: Bugg, Zembrod

Midwestern State University offers three separate programs in the Radiologic Sciences: an entry-level Associate of Applied Science in Radiography; a post-certification Bachelor of Science in Radiologic Sciences; and one of the only discipline specific Master of Science in Radiologic Sciences in the United States with majors in Radiologic Education, Radiologic Administration, and Radiologist Assistant.

ASSOCIATE OF APPLIED SCIENCE IN RADIOGRAPHY (72 semester hours)

The Radiologic Sciences entry-level AAS Program is designed to prepare students for careers as radiographers. Upon completion of all program requirements, students are prepared 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 Medical Radiologic Technologists.

The AAS Program in Radiography is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). The mission of the AAS program is to provide students with both the academic and technical foundations to competently and safely perform radiologic procedures, to prepare qualified imaging technologists who will ethically respond to the needs of patients with technical competence and compassion, and to assume a vital professional role as a medical team member. The learning outcomes of the AAS Program are that AAS students will:

1. Be adequately prepared to enter the profession in a culturally diverse society.
2. Develop independent and critical thinking skills and pursue education beyond the entry level AAS Program.
3. Develop professionalism through entry-level radiography clinical competence.

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 2.5 or greater on all college-level work and be in good academic standing.
4. Complete BIOL1134, BIOL1234, RADS 1001, and RADS 1011 with grades of C or better.
5. Complete all remediation requirements.
6. Have reliable Internet access and a working email address.

ADMISSION PROCEDURES FOR THE AAS PROGRAM

The professional phase of the AAS program begins in the fall semester. Applications for entrance the following fall semester are accepted January 1 until March 1. Because of the limited availability of clinical sites, admission to the AAS is competitive, and qualified applicants are accepted only until the class is full. No applications will be accepted after March 1. Applicants are rank-ordered according to a formula based on, but not limited to, several criteria such as core course completion, grade point average, and previous experiences in medical environments.

For additional information on application procedures and admission requirements, visit the department website at: <http://hs2.mwsu.edu/radscli>.

PROGRESSION POLICY FOR THE AAS PROGRAM

1. All professional (RADS) courses must be taken in the sequence prescribed.
2. Students 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 students from progressing in the program until the course(s) can be repeated. Each failed course can only be repeated once. Students who fail any professional course must reapply to the program.
4. Prior to enrollment in RADS 2114 Clinical Education I, students must provide documentation of:
 - a. Program-approved student liability insurance
 - b. Compliance with state mandated immunizations
 - c. Health insurance
 - d. CPR certification (2 year certification for child and adult)
 - e. Compliance with program approved criminal background check
 - f. Drug screening with no illegal substances

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 1013, 1033, or EDUC 1023.

Major (46 semester hours): RADS 1001, 1011, 1223, 1313, 1413, 1423, 1513, 2112, 2114, 2123, 2215, 2232, 2233, 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 courses designed to prepare students for advanced level examinations in specific modalities.

The mission of the BSRS Program is to prepare ARRT-registered technologists for advanced certification and to assume greater responsibilities in the profession. The learning outcomes of the BSRS Program are that BSRS students will:

1. Be adequately prepared to enter and function within the profession in an advanced role in a culturally diverse society.
2. Develop independent and critical thinking skills.
3. Develop professionalism through scholarly productivity.

All BSRS courses are offered online as 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, ARDMS or be a second year student in an accredited Radiologic Sciences Program.
4. Have reliable Internet access and a working email address.

5. Meet Texas Success Initiative (TSI) requirements (see page 70), or submit a signed copy of the TSI Temporary Waiver Form for Distance Education Students found at <http://registrar.mwsu.edu/successdist.asp>.

ADMISSION PROCEDURES FOR THE BSRS PROGRAM

1. Submit all required admission materials to MSU Admissions.
2. Contact the Admissions Counselor for the College of Health Sciences and Human Services. Students will be assigned a Radiologic Sciences faculty advisor when they start taking professional courses (RADS prefixes).
3. Submit a working email address to the Admissions Counselor for the College of Health Sciences and Human Services.
4. Complete the online BSRS Program Orientation linked to the Radiologic Sciences website.

ADVANCED PLACEMENT PROCEDURES

Technologists registered by the ARRT may receive 46 semester hours of credit for RADS 1001, 1011, 1223, 1313, 1413, 1423, 1513, 2112, 2114, 2123, 2215, 2232, 2233, 2315, 2332, 2711, and 2912. To receive the hours of advanced placement credits, BSRS students must be graduates of accredited Radiologic Sciences Programs in Texas that have articulation agreements with MSU or be graduates of the USAF program. Other students must take the Advanced Placement Exam prior to graduation from MSU. Students should visit the BSRS website for more information.

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
ART (BD) - RADS 3833
ARRT (M) - RADS 4753
ARRT (QM) - RADS 4623
ARRT (CV) or (VI) or (CI) - 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, 1233, or 2423
College Level Math
CMPS 1013, 1033, 1043, or EDUC 1023

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 exercise physiology. Three hours must be from the fine arts or humanities areas.

BSRS students must also meet MSU requirements for graduation such as passing the Writing Proficiency Exam or taking ENGL 2113.

Major (79 semester hours)

RADS 1001, 1011, 1223, 1313, 1413, 1423, 1513, 2112, 2114, 2123, 2215, 2232, 2233, 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 seven (7) of these BSRS Core Professional Courses:

RADS 3203, 3213, 3503, 3773, 4633, 4643, 4913

Plus any combination of four (4) additional RADS courses.

The following are suggested Professional Courses for various interests:

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

Computed Tomography

RADS 4433, 4723, 4733, 4783

Magnetic Resonance Imaging

RADS 4433, 4733, 4743, 4773

A student must earn a grade of C (2.0) or above in all RADS professional courses required for graduation.

COURSES IN RADIOLOGIC SCIENCES (RADS)

AAS PROGRAM RADIOLOGIC SCIENCES COURSES

1001. Introduction to Radiologic Sciences

1(1-0)

This course provides an overview of radiologic sciences for individuals considering entering the Radiologic Sciences program. Content includes the historical development of medical imaging and radiation therapy, basic principles of radiation protection, introduction to various modalities, professional communication, and ethical and legal issues for health care professionals. Learning Outcomes: The student will exhibit ethical and

legal standards; demonstrate basic radiation protection practices; and relate the role of radiography to health care. (WECM = RADR 1201)

1011. Radiologic Sciences Medical Terminology 1(1-0)

This course provided a foundation of medical terminology for individuals considering entering the Radiologic Sciences program. Content includes basic medical word parts and terms plus terminology specific to the radiologic sciences. Learning Outcomes: The student will exhibit professional communication skills using appropriate medical terms; and will demonstrate a solid foundation in the terminology unique to radiologic sciences. (WECM = RADR 1201)

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)

1313. Principles of Radiographic Imaging I (formerly 1312) 3(2-2)

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 1313.

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)

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)

2233. Advanced Radiographic Procedures (formerly 2224) 3(3-0)

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)

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.

BSRS PROGRAM RADIOLOGIC SCIENCES COURSES**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, monitoring, infection control, and management. It includes working with multicultural patients, managing problem patients, and patient education. Additional topics include an overview of considerations when working in an increasingly digital imaging environment. Note: Students are required to perform specific clinical skills in this course. It is strongly recommended that students have minimal contact with patients, patient charts, and an EKG machine (12 lead preferred).

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. Note: Students are required to observe patients as they go through treatment sessions. Students must have access to a radiation treatment facility to successfully complete this course.

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. Note: At least nine (9) hours of professional (RADS) courses must be completed before attempting this course.

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.

3833. Bone Densitometry 3(3-0)

This course will provide the radiologic science professional a knowledge and history of bone densitometry. This course will cover various topics such as: densitometry techniques, skeletal anatomy in densitometry, statistics and quality control. External and internal factors that affect bone density will also be covered. Patient issues such as risk fracture prediction, diagnosing osteoporosis, radiation exposure, and appropriate candidates for bone density studies will also be included. Note: Students are required to perform specific clinical skills in this course. Students must have access to bone density equipment to successfully complete this course.

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 advisor.

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 The Joint Commission (TJC). 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, pelvis, and extremities.

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)

Prerequisite: RADS 4723.

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 testing and measurement, analysis of test 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. Note: A minimum of eighteen (18) hours of upper division professional (RADS) courses must be completed before attempting this course.

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, Chair (J.S. Bridwell Hall 301C)

Tammy Kurszewski, Clinical Chair (J.S. Bridwell Hall 301D)

Assistant Professors: Gresham, Helton, Kurszewski, Medford

The Respiratory Care Department offers a curriculum 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 BSRC program is accredited by the Committee on Accreditation for Respiratory Care. The program consists of 125 semester hours + 2 physical activities* (68 semester hours in respiratory care and 57 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. Three admission categories exist: full, conditional, and denied. Full program admission is granted to applicants who have completed all program prerequisites, required academic foundation courses and are in good academic standing. Conditional program admission is granted to applicants who have not completed but are presently enrolled in course work that will complete the prerequisites and required academic foundation courses. Once a conditionally admitted stu-

dent successfully completes the required course work the admission status is automatically upgraded to full admission. If a student was conditionally admitted but does not successfully complete the prerequisites, their conditional status is denied. Due to limited availability of clinical sites, qualified applicants will be accepted only until the class is full. The following rules apply to admission to the Respiratory Care Program:

1. Be admitted to the university.
2. Apply to the Respiratory Care Program; Applications can be obtained online. Applications will be accepted between January 2 and April 15 for entrance into the program the following summer II semester.
3. Submit a copy of the results of either the Nursing Entrance Test (NET) or the Health Occupations Basic Entrance Test (HOBET).
4. All program prerequisites must be completed before taking any respiratory care classes. The program prerequisites are: Anatomy and Physiology I and II, Chemistry, college-level math, Microbiology, Rhetoric and Composition I and II, computer applications, speech communication, general psychology or sociology. A minimum grade of C is required for all program prerequisites.
5. 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 exercise physiology activity courses* (see specific descriptions).
6. Notification of admission is made in writing and requires an acceptance form returned to the Respiratory Care Department. Return of a signed acceptance form signifies that the student agrees to all technical standards outlined in the admission packet.
7. Students will complete all BSRC degree requirements 22 months from beginning 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.

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, 2144	CHEM 1103
PSYC 1103 or SOCL 1133	MATH – 3 semester hours college-level
ENGL 1113, 1123	CMPS 1013 or 1033
SPCH 1133, 1233, or 2423	

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 75 (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 course may repeat the course one time. Any student who fails to achieve a grade of C in any two respiratory care courses will be dismissed and not eligible for re-admission.
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 academic 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, 2144	HUMANITIES - 6 semester hours
CHEM 1103	SPCH 1133, 1233, or 2423
PSYC 1103 or SOCL 1133	ECON 1333
EXPH - 2 physical activities*	HIST 1133, 1233
MATH - 3 semester hours college-level	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 1013, 1033, 1043, or EDUC 1023.

MAJOR (68 semester hours)

RESP 3403, 3413, 3423, 3433, 3443, 3512, 3523, 3543, 3552, 3553, 3561, 3563, 3712, 3722, 4102, 4123, 4223, 4403, 4422, 4423, 4432, 4433, 4443, 4453, 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. The student will submit an official transcript to the university that documents the completion of the Registry level program. 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.

- A minimum of 30 hours must be advanced level.
- A minimum of 32 hours must be taken from MSU to satisfy the residency requirement.
- Meet the University Writing Proficiency Requirement.
- *RRT to BSRC students are under the special academic core and are not required to take the exercise physiology activities courses.

The RRT-BSRC student may choose any combination of the following courses:

RESP 3423	RESP 3433	RESP 3523	RESP 3543
RESP 3552	RESP 3553	RESP 3563	RESP 4102
RESP 4123	RESP 4223	RESP 4233	RESP 4243
RESP 4403	RESP 4422	RESP 4423	RESP 4432
RESP 4433	RESP 4443	RESP 4453	RESP 4652
RESP 4653	RESP 4663	RESP 4803	

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, reninangiotensin-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 therapeutic 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 implica-

tions 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.

3563. Respiratory Pathophysiology (formerly 4463) 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.

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.

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.

4102. Clinical Patient Management 2(2-0)

Prerequisite: RESP 3563.

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 Sciences 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.

4233. Educational/Administrative Concepts 3(3-0)

Prerequisite: RRT to BSRC Program Admission.

Educational and managerial skills appropriate to the advancement of the respiratory therapist. Students will develop, implement, and evaluate projects. May be repeated once with varied content.

4243. Advanced Practice Applications 3(3-0)

Prerequisite: RRT to BSRC Program Admission.

Introduction to emerging areas within the profession. Students will develop skills in chosen specialization by designing, implementing, and evaluating appropriate projects. May be repeated once with different content.

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.

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. May be repeated for credit when topics vary.

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. May be repeated for credit when topics vary.

4663. Advanced Practice Problems

3 semester hours

Designed for advanced students to work in appropriate areas not otherwise available. May be repeated 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. 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.

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.

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

Carol Bisbee, Chair (Martin Building 104-A)

Professor: Fashimpar

Associate Professor: Powell

Assistant Professor: Bisbee

Professor Emeritus: Walker

MISSION STATEMENT FOR THE SOCIAL WORK PROGRAM

In agreement with the mission of Midwestern State University and the mission of the College of Health Sciences and Human Services, the Social Work Program strives to prepare students to be generalist social work practitioners that serve as ethical social workers and leaders in the community in a wide variety of settings. The program is dedicated to educating students to practice without discrimination and to advocate for diverse populations, oppressed populations, or economically disadvantaged populations through leadership activities, research, service, and a commitment to professional growth.

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 (LBSW).

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.

General (see page 89)

Academic Foundations and Core Curriculum (56 hours) (see page 91)

Major (44 hours)

SOWK 2423, 2544, 2554, 3533, 3643, 3833, 3943, 3953, 4213, 4236, and 4246.
SOWK 3313 or NURS 4123.

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.

Two semesters in one foreign language (Spanish preferred). Satisfies the humanities part of Academic Foundations Core.

BIOL 1134. Satisfies part of the science requirement in Academic Foundations Core.

B. Additional required support courses. (21 hours)

PSYC 1103, 3603 or SOWK 4313, and ENGL 3203 or 3523

Four (4) courses chosen from the following:

SOWK 3453, 4113, 4223, 4233, 4323, 4343, 4413, 4423, or
SOWK 4313 if not taken in place of PSYC 3603 above.

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 (TCCNS = SOCW 2361) 3(3-0)

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.

3233. Parenting: Family and Community 3(3-0)

Theories regarding raising mentally healthy children within a family environment. Policies and laws related to child abuse and neglect and foster care and adoptions. For B.A.A.S. majors only in distance education.

3313. Social Work 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.

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 or concurrent enrollment.

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.

***3544. Human Behavior and the Social Environment I** 4 semester hours
(formerly 2544)

Prerequisite: SOWK 2423 or concurrently with advisor'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 each in four different agencies.

***3554. Human Behavior and the Social Environment II** 4 semester hours
(formerly 2554)

Prerequisite: SOWK 3544.

This course focuses on the life-span 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 each in four different agencies.

***3643. Social Work Research** 3(3-0)

Prerequisites: 6 hours of social work, and SOWK 3313 or NURS 4123.

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 or concurrent enrollment.

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.

4113. Aging 3(3-0)

The goal of this course is to promote a fuller understanding of the aging process as a normal, human, and social fact of life. This course will examine stereotypes and images that modern society often views older people. These stereotypes and images will be contrasted with demographics and basic information concerning aging. We will examine the issues that older people face and society's response to these issues.

***4201, 4202, 4203. Independent Study** 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)

Co-requisite: Must have concurrent enrollment in SOWK 4236.

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 worker's 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.

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. For B.A.A.S. majors only in distance education.

4413. Social Work in Human Resources 3(3-0)

This course addresses the role of social work, employee assistance and human counselors in the workplace. 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.

PROTHRO-YEAGER COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Samuel E. Watson, III, Dean (O'Donohoe Hall 121)

MISSION STATEMENT FOR THE PROTHRO-YEAGER COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

The purpose of the Prothro-Yeager College of Humanities and Social Sciences is three-fold. 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 Prothro-Yeager College of Humanities and Social Sciences offers majors, minors, programs, and courses in Applied Arts and Sciences, English, Foreign Languages, History, Humanities, International Studies, Philosophy, Political Science, Psychology, Social Studies, and Sociology.

BACHELOR OF APPLIED ARTS AND SCIENCES

Charles Olson, Director (Bea Wood Hall 122)

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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 regionally 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 122-hour university requirement as stated in the catalog.

ADMISSION TO PROGRAM

Before a student can be admitted, the student must arrange an interview with the Director or Assistant Director of the B.A.A.S. Program.

B.A.A.S. students are limited to not more than twenty-five percent of their total semester credit hours in courses transferable to a program in a school of business and not more than fifteen semester 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 Dillard 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 advisor in the student's previous major.

DEGREE REQUIREMENTS

All transfers from another MSU program must complete at least 12 hours under the B.A.A.S. program to be eligible to graduate from the B.A.A.S. program.

The student must complete a baccalaureate degree plan from residence and transfer credit hours by meeting the requirements as follows:

Option A: The Traditional B.A.A.S. Program

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Occupational Specialty (24-36 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 (A.C.E.) 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.

Option B: The B.A.A.S. Program with Criminal Justice Emphasis

The Criminal Justice emphasis provides students the background to pursue employment options in the criminal justice career field. The combination of courses such as law enforcement, political science, psychology, sociology, and social work prepares those al-

ready working in the field for career advancement. For those wishing to enter a criminal justice field, the degree offers the graduate the possibility of employment in a variety of career fields such as federal, state, and local law enforcement, institutional and community-based corrections, and criminal investigations.

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Occupational Specialty (24-36 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 (A.C.E.) 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 B.A.A.S. Criminal Justice Option consists of 36 semester hours; at least 30 of which must be chosen from the following courses:

BAAS 3113

CRJU 3103, 3113, 3123, 3133, CRJU/POLS 3213, CRJU 3223, 3313, 3323, 3463, 3713, 3723, CRJU/SOCL 3733, CRJU 3913, 3923, CRJU/POLS 4133, CRJU 4213, 4223, CRJU/POLS 4233, CRJU 4253, 4263, 4333, 4403, 4413, 4913, 4923

ENGL 3203

MCOM 4683

PHIL 3533

POLS 3233, 3443, 3933, 4043, 4163, 4173, 4243, 4653, 4953

PSYC 3913

SOCL 3333, 3353, 3433, 4633

SOWK 3953, 4233, 4323, 4363

SPCH 3023

NOTE: The B.A.A.S. Criminal Justice Option student may petition the B.A.A.S. Program Director or the Dean of the Prothro-Yeager College of Humanities and Social Sciences for permission to apply appropriate additional courses to fulfill the above 30 semester hour curriculum.

Option C: The B.A.A.S. Program with Liberal Arts Emphasis

The Liberal Arts emphasis is a gateway program that provides students with the critical thinking tools for a lifetime of learning and career achievement. The program is designed to fulfill the needs of students who wish to prepare for the challenges of today's world by acquiring the skills and tools provided by a broadly based liberal arts education. The goal of the program is to equip these students with that broad base of knowledge in the liberal arts and to provide them with the communication and language skills necessary for success in the marketplace and in life.

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Occupational Specialty (24-36 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 (A.C.E.) 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)

The Liberal Arts Option is 36 semester hours chosen from the following:

1. Two courses chosen from *any four* of the following six categories for a *total of twenty-four advanced hours*.
2. An *additional twelve hours* of courses chosen from any of the six subject areas listed below; *at least six hours* must be *advanced* courses (3000-4000).

English	Political Science
History and Geography	Psychology
Humanities/Philosophy	Sociology

NOTE: Any B.A.A.S. student may petition to apply lower or upper division foreign language courses to the above option; approval must be obtained from the Director of the B.A.A.S. program or the Dean of the Prothro-Yeager College of Humanities and Social Sciences.

COURSE IN APPLIED ARTS AND SCIENCES (BAAS)

3113. Internship in Public Administration

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. The 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 journal relating to the internship, noting the tasks undertaken and relating how they relate to employment and future career goals. From that journal, 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.

ENGLISH

David Rankin, Chair (Bea Wood Hall 216)

Professors: J. Hoggard, L. Hoggard, Johnson, Rankin

Associate Professors: Fields, Galbraith, Hoffman, Rogers, Taylor

Assistant Professors: Garrison, Henson, Olson

Instructors: Giddings, Green, Henschel

Professors Emeriti: Barnett, Carpenter, Stewart, Whitlock

REQUIREMENTS FOR A MAJOR IN ENGLISH

The requirements for the degree of Bachelor of Arts with a major in English are as follows:

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Bachelor of Arts (see page 93)

Program

Additional General

At least a C average in lower-level English courses

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 or Field of Concentration in French (see page 279) is to be selected by the student and 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 148. 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 139.

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 English 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, 2723, 2813, 2823

Any of these courses can serve as a literature course in the core curriculum. See page 92.

WRITING COURSES

2113, 3103, 3203, 3213, 3523, 4203

GENERAL LITERATURE COURSES

3003, 3253, 3273, 3293, 3303, 3313, 3333, 3343, 3503, 3713, 3723, 4543

Any of the 3000-level courses above 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

4706, 4716, 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 THEA (formerly 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 THEA (formerly 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 (TCCNS = ENGL 1301) 3(3-0)

Prerequisites: Demonstrated readiness for college-level reading and writing. Reading readiness can be demonstrated either by passing the reading section of THEA (formerly TASP), or of an approved alternative test, or being exempt from the reading section of THEA on the basis of other examination scores. Reading readiness can also be demonstrated by earning a grade of C or better in ENGL 1013, Introduction to College Reading. Writing readiness can be demonstrated either by passing the writing section of THEA, or of an approved alternative test, or being exempt from the writing section of THEA on the basis of other examination scores. Writing readiness can also be demonstrated by earning a grade of C or better in ENGL 1003, Introduction to College Composition. Students who are THEA exempt by military service or associate's degree, or by the former exemptions of grandfathering or high school grade point average, may be required to demonstrate readiness by passing the reading and writing sections of the MSU Placement Test, unless other test scores and/or transfer courses provide such proof.

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 (TCCNS = ENGL 1302) 3(3-0)

Prerequisite: English 1113.

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.

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 Writing Proficiency Examination, see page 90. 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 (TCCNS = ENGL 2332) 3(3-0)

Prerequisite: English 1123.

A study of the masterpieces of Western world literature from Homer through the Renaissance.

2423. World Literature (TCCNS = ENGL 2333) 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 (TCCNS = ENGL 2327) 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 (TCCNS = ENGL 2328) 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.

2723. Special Topics in Literature 3(3-0)

Prerequisite: English 1123.

Concentrated study of selected authors, genres, or themes. May be repeated for credit with changed content.

2813. Survey of English Literature (TCCNS = ENGL 2322) 3(3-0)

Prerequisite: English 1123.

A survey of English literature from its seventh century beginnings through the neo-classical era. Emphasis is on the works of principal authors as they reflect literary and historical backgrounds.

2823. Survey of English Literature (TCCNS = ENGL 2323) 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. Special Topics in 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.

3213. Digital and New Media Rhetoric 3(3-0)

Prerequisite: English 1123.

For students of all disciplines who want to explore the theoretical and practical complexities of digital and new media rhetoric. Focus on the analysis of the language of new media, interactive and iterative approaches to writing, visual rhetoric (data visualization and infographics), and the cultural and ethical issues of composing in a digital age.

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. **Special Topics in 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.
3713. **Special Topics in American Literature and Life** 3(3-0)
Prerequisite: English 1123.
Selected aspect(s) of American culture as reflected in American literature, social backgrounds, and the arts. May be repeated for credit with changed content.
3723. **Special Topics in Literature** 3(3-0)
Prerequisite: English 1123.
Concentrated study of selected authors, genres, or themes. May be repeated for credit with changed content.
4203. **Writing Project Management** 3(3-0)
Prerequisite: English 1123.
For students of all disciplines who want to develop knowledge of and skills in writing project management. Focus on team-produced documents for publication in a variety of media. Discussion and practice of techniques in (a) managing documentation projects; (b) negotiating the major phases of the information-development process, including plan-

ning, design, development, production, and evaluation; and (c) collaborating and problem solving with team members.

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.

4543. Special Topics in Film Narration 3(3-0)

Prerequisites: Six hours of English beyond 1123 or consent of chair.

A study of one or more of the elements of narrative as expressed in selected films. May be repeated for credit with changed content.

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

4706. Chaucer in London 6(3-3)

Prerequisites: English 1123 and junior standing.

The study in London principally of Chaucer's *Canterbury Tales* with emphasis on historical backgrounds, settings, and bibliographic resources. Other Middle English authors may be included. Fieldwork required.

4716. Shakespeare in London 6(3-3)

Prerequisites: English 1123 and junior standing.

The study in London primarily of Shakespearian drama with emphasis on historical backgrounds, settings, performances, and bibliographic resources. Other English Renaissance authors may be included. Fieldwork required.

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. Special Topics 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. Special Topics from 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. Independent Study in English 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 PROFESSORSHIP 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 Prothro-Yeager College of Humanities and Social Sciences.

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 nineteen 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 *Triangles of Light: The Edward Hopper Poems*, *Wearing The River: New Poems*, *Patterns of Illusion: Stories & A Novella*, *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*. In 2006, the Texas Institute of Letters gave him the Lon Tinkle Award for Excellence Sustained Throughout a Career. In 2007, he was named winner of the PEN Southwest Poetry Award for his book *Wearing the River: New Poems*.

INTENSIVE ENGLISH LANGUAGE INSTITUTE

Leslie Penrose, Coordinator (Moffett Library 314)

Instructors: McNeely, Penrose

The Intensive English Language Institute (IELI) offers intensive courses 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 eight levels. Each level's curriculum includes classes in grammar, listening and speaking, composition, and reading. The IELI's courses are available to full-time, non-native English speaking (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 IELI.

The purpose of the IELI curriculum is to provide quality instruction in English, develop academic skills, and provide exposure to American culture for individuals from a wide range of backgrounds and language experiences. 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 LANGUAGES

Adalberto Garcia, Chair (Bea Wood Hall 116)

Professors: Fuertes-Manjón, Hoggard, Wiedemann

Associate Professors: Garcia, Hollabaugh, McClintock, Montoya

Instructor: Donovan

Professors Emeriti: 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 60 concerning Proficiency Exams and contact the chair for more information.

FRENCH

Program

Field of Concentration (18 semester hours of advanced French beyond 2233)

A student can major in International Studies, English, or Humanities with a field of concentration in French.

Minor (12 semester hours of advanced French beyond 2233)

The requirements for the degree of Bachelor of Arts with a teaching certificate may be found on page 152.

COURSES IN FRENCH (FREN)

- 1134. Elementary French** (TCCNS = FREN 1411) 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** (TCCNS = FREN 1412) 4(4-0)
Prerequisite: French 1134.
Continuation of French 1134. One hour of laboratory practice per week is required.
- 2133. Intermediate French** (TCCNS = FREN 2311) 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** (TCCNS = FREN 2312) 3(3-0)
Prerequisite: French 2133.
Continuation of French 2133.
- 3033. French Civilization** 3(3-0)
Prerequisite: French 2233.
Study of the history, geography, and culture of France from Gaul to the present.
- 3133. Survey of French Literature I** 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 II** 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. Special Topics in French** 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.
- 4133. Advanced Grammar and Composition** 3(3-0)
Prerequisite: French 2233.
Study of advanced grammar to further develop oral communication and compositional skills.
- 4233. The Nineteenth Century in France** 3(3-0)
Prerequisite: French 2233.
Study of this very rich literary and artistic century in France. This course covers romanticism, realism, symbolism, and naturalism in the writings of Hugo, Balzac, Stendhal, Flaubert, Baudelaire, Mallarmé, Rimbaud, Verlaine, and Zola.

4533. Independent Study in French

3 semester hours

Prerequisite: French 3133 or 3233.

For advanced students with consent of instructor. Special topics assigned for research and investigation.

GERMAN

The Department of Foreign Languages also offers courses in German.

COURSES IN GERMAN (GERM)

1134. Elementary German (TCCNS = GERM 1411) 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 (TCCNS = GERM 1412) 4(4-0)

Prerequisite: German 1134.

Continuation of German 1134. One hour per week of laboratory practice is required.

2133. Intermediate German (TCCNS = GERM 2311) 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 (TCCNS = GERM 2312) 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:

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Bachelor of Arts (see page 93)

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; 4433; and 3 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 160.

All Spanish majors and minors must take a departmental oral proficiency exam and a written comprehensive exam during their senior year. Contact the Department of Foreign Languages office to make testing arrangements.

COURSES IN SPANISH (SPAN)

- 1134. Elementary Spanish I** (TCCNS = SPAN 1411) 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** (TCCNS = SPAN 1412) 4(4-0)
 Prerequisite: Spanish 1134.
 Continuation of Spanish 1134. One hour of laboratory practice per week is required.
- 2133. Intermediate Spanish I** (TCCNS = SPAN 2311) 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** (TCCNS = SPAN 2312) 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.
- 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. Special Topics in Spanish

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. Independent Study in Spanish

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 advisor. May be repeated once.

HISTORY

Harry P. Hewitt, Chair (O'Donohoe Hall 222)

Professors: Hewitt, Kindig

Associate Professors: Arnoult, King, Lindemann

Professors Emeriti: Collins, Hendrickson

The requirements for the degree of Bachelor of Arts with a major in history are as follows:

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Bachelor of Arts (see page 93)

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.

COURSES IN HISTORY (HIST)

SURVEY COURSES

1133. Survey of American History to 1865 (TCCNS = HIST 1301) 3(3-0)

General survey of American History from its European origins to 1865. Required of all baccalaureate students.

1233. Survey of American History since 1865 (TCCNS = HIST 1302) 3(3-0)

General survey of American History from 1865 to the present. Required of all baccalaureate students.

1333. Survey of Western Civilization (TCCNS = HIST 2311) 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 (TCCNS = HIST 2312) 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 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 figures as William Byrd, Benjamin Franklin and Thomas Jefferson -- until estrangement from England provoked a crisis that finally touched off the American Revolution.

3103. Medieval England 3(3-0)

Prerequisites: HIST 1333 and three additional 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 advent of the Tudors to the throne in 1485. The course focuses on the constitutional development of England and discusses the contributions of the Anglo-Saxons and Normans as well as others.

3123. Early Modern England

3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A survey of English history during the reign of the Tudors and the Stuarts, from 1485 until the death of Queen Anne in 1714. The course covers the English Reformation and the Elizabethan era, as well as the English Civil War and Glorious Revolution.

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.

3153. Modern Britain and British Empire

3(3-0)

Prerequisites: HIST 1233 and 1433 or consent of the chair.

A survey of British history and the history of the British Empire, from the creation of Great Britain with the Act of Union in 1710 to decolonization after World War II. Areas of focus include the Industrial Revolution, the development of parliamentary democracy, the world wars of the twentieth century, and the differing trajectories of empire both by century and region.

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.

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.

3903. The Writing of History

3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course, required of all history majors who are not seeking teacher certification, is designed to further develop and refine the student's aptitude for historical investigation, analysis, and presentation. Particular emphasis is placed on improving the student's abil-

ity to write history and conduct in-depth research at the undergraduate level, thus giving the student a strong foundation in the skills necessary for practicing the craft of history.

4023. United States Diplomatic History, 1898-1989 3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of United States diplomatic relations in the twentieth century, from the opening of the Spanish-American War to the conclusion of the Cold War. The course will survey the history of United States foreign policy, beginning with American emergence from a tradition of isolation to a position of world leadership and world power. Topics will include the diplomacy of both world wars, the policy of containment underlying the Korean and Vietnam conflicts, relations with the Soviet Union and China, U.S.-Latin American affairs, and American approaches to the Arab-Israeli conflict.

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 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 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 to 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.

4263. Modern France

3(3-0)

Prerequisites: Six hours of history or consent of the chair.

A study of French History from the sixteenth century to the end of the nineteenth century. The course will focus on topics such as the Age of Louis XIV, Napoleon, and the Dreyfus Affair.

4373. Modern Germany

3(3-0)

Prerequisites: Six hours of history or consent of the chair.

This course details the development of Germany from a region of multiple independent states during the Reformation to a strong and united World Power by the end of the nineteenth century. Highlights include The Thirty Years' War, Frederick the Great, Otto von Bismarck, and the roots of modern German nationalism.

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.

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. Everyday 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 examines 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.

4933. Special Topics in History 3(3-0)

Prerequisites: Six hours of history.

Topics vary. May be repeated with different content.

4953. Independent Study in History 3 semester hours

Prerequisites: Six hours of history or consent of the chair.

This is an undergraduate independent readings course available on a limited basis to advanced students. Topics will be selected by the student and his/her advisor.

GEOGRAPHY

The Department of History also offers courses in geography.

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.
3023. **Cultural Geography** 3(3-0)
An introduction to human achievements and their expression and diffusion across the geographic landscape: Topics to be considered include agriculture, language, religion, political organization, technology, and other cultural aspects.

HARDIN DISTINGUISHED PROFESSORSHIP 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 Distinguished Professorship of American History.

Dr. Michael L. Collins, a regionally and nationally known historian, has been designated as the Hardin Distinguished Professor of American History. Dr. Collins also holds the title of Regents Professor, one of the first two to be so honored at MSU. He was named Piper Professor for 2008 by the Minnie Stevens Piper Foundation of San Antonio, Hardin Professor for 2006 by the Hardin Foundation for Wichita County, and a Fellow of the Texas State Historical Association in 2006. He is the immediate past-president of the Southwestern Social Science Association and a former member of the Executive Council of the Texas State Historical Association. The recipient of several teaching awards from major MSU student organizations, he is also the author of five books and numerous articles in the field of Texas History and the American West.

Among his publications are: *The Texas Devils: Rangers and Regulars on the Lower Rio Grande, 1846-1861* (University of Oklahoma Press, 2008); *Tales of Texoma: Episodes in the History of the Red River Border*, contributor and editor (Midwestern State University Press, 2005); *Profiles in Power: Twentieth Century Texans in Washington*, contributor and coeditor (University of Texas Press, 2004); and *That Damned Cowboy: Theodore Roosevelt and the American West, 1883-1898* (Peter Lang, 1988).

Dr. Collins served as the dean of the College of Liberal Arts at MSU from 1999 to 2004, and as Director of the Division of Humanities from 1992 to 1999. He holds his B.A., M.A., and Ph.D. degrees in history from Texas Christian University.

HUMANITIES

Advisor: Lynn Hoggard (Bea Wood Hall 201)

Professor: L. Hoggard

Assistant Professor: Olson

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. General** (see page 89)
Academic Foundations and Core Curriculum (see page 91) (48 semester hours)
Bachelor of Arts (see page 93)

- II. Humanities Interdisciplinary Major (36 semester hours)**
- | | |
|-------------|---|
| Humanities: | 3-6 hours chosen from 2013, 2023, 2033, 2043
6-9 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 requirements for a minor.

Art (21 semester hours)

ART 1113, 1313, 4433, 4443, 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.

French (18 semester hours)

18 hours of courses beyond 2233.

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: 3-6 hours chosen from 2013, 2023, 2033, 2043; 6-9 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, Indian, Chinese, Japanese, and North and South American cultures.

2033. Humanities: Renaissance through Realism 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, Romanticism, and Realism (fifteenth through late-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 (TCCNS = HUMA 1301) 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.

2063. Humanities (TCCNS = HUMA 1302) 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A continuing study of the inter-relationships of art, myth, literature, and philosophy in an historical context.

3073. Special Topics in Humanities 3(3-0)

Prerequisite: English 1123.

Thematic topics for the course will usually grow out of work being done in the Center for the Study of Reform. Each course will likely be team taught, and each will be offered as an honors course. Course may be repeated for credit with changed content.

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 received credit for 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, Indian, Chinese, Japanese, and North and South American 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 received credit for Humanities 2023.

4033. Humanities: Renaissance through Realism 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, Romanticism, and Realism (fifteenth through late-nineteenth centuries). 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 received credit for 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 received credit for Humanities 2043.

4053. Humanities: World Civilizations 3(3-0)

Prerequisite: English 1123 or consent of instructor.

A study of inter-relationships in world civilizations of literature, philosophy, mythology, art, and architecture in an historical context with emphasis on the Western tradition, including relationships to Middle Eastern, African, Indian, and Chinese traditions.

4063. Independent Study 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

Advisor: Michael A. Preda (O'Donohoe Hall 204)

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.

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

ECON 2333

Bachelor of Arts (see page 93)

REQUIREMENTS FOR A MAJOR IN INTERNATIONAL STUDIES:

Required Courses: 15 hour core for interdisciplinary major

HIST	1333, 1433, 3133	9 hours
GEOG	3003	3 hours
SOCL	3783	3 hours

Political Science, 6 hours chosen from the following: 6 hours

POLS 3533, 3543, 3553, 3563, 3573, 3583, 3593, 3653, 4333,
4453, 4653, 4773, 4853, 4933

Economics, 6 hours chosen from the following: 6 hours

ECON 3553, 3713, 4663, 4723

History, 6 hours chosen from the following: 6 hours

HIST 3103, 3123, 3143, 3503, 3513, 3833, 3843, 4023, 4173,
4183, 4213, 4253, 4263, 4363, 4433, 4523,
4543, 4643, 4663, 4673

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.

FIELD OF CONCENTRATION – French (18 semester hours beyond 2233)

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 advisor.

Category 1: Six hours from the following:

BUAD 4993, ECON 3553, ECON 4723, MKTG 4643

Category 2: Six hours from the following:

POLS 3533, 3653, 4333, 4653, 4853, 4933

HIST 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 advisor.

Category 1: Six hours from the following:

ECON 3553, 3713, 4663, 4723

POLS 3533, 3543, 3553, 3563, 3573, 3583, 3593, 3653, 4333, 4453,
4653, 4753, 4853, 4933

Category 2: Six hours from the following:

HIST 4183, 4433, 4523, 4543, 4643

ENGL 2413, 2423, 3003, 4903, 4913, 4943

FREN 3333, 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

Advisor: Nathan Jun (Bea Wood Hall 221)

Assistant Professor: Jun

Professor Emeritus: 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)

- | | |
|--|--------|
| <p>1033. The Primary Concerns of Philosophy (TCCNS = PHIL 1301)</p> <p>Prerequisites: English 1113 and 1123.</p> <p>Methods and problems related to man's search for meaning.</p> | 3(3-0) |
| <p>1533. Logic (TCCNS = PHIL 2303)</p> <p>Prerequisites: English 1113 and 1123.</p> <p>The study of principal methods of organizing thought in ordinary language.</p> | 3(3-0) |
| <p>2033. Ethics (TCCNS = PHIL 2306)</p> <p>Prerequisites: English 1113 and 1123.</p> <p>What is the "good" for man: an inquiry into the philosophy of morality.</p> | 3(3-0) |
| <p>2133. Political Philosophy (TCCNS = PHIL 2307)</p> <p>Prerequisites: English 1113 and 1123.</p> <p>A historical and theoretical survey of the main problems of political philosophy through an examination and critical analysis of key thinkers and theories in the tradition.</p> | 3(3-0) |
| <p>2233. Classical Philosophy (TCCNS = PHIL 2316)</p> <p>Prerequisites: English 1113, 1123, and three hours of philosophy, or permission of philosophy advisor.</p> <p>A study of the pre-Socratics, Plato, and Aristotle. Discussion of the contemporary uses of classical philosophy.</p> | 3(3-0) |

2333. Philosophy of Religion (TCCNS = PHIL 2321) 3(3-0)

Prerequisites: English 1113 and 1123.

A critical examination of the definitions, assumptions, and arguments central to religion. Topics may include interpreting the nature of religion, arguments for and against the existence of God, the relation between theology and philosophy, the relation between God and the world, the problem of evil, and the nature of religious experience.

2633. Contemporary Philosophy (formerly 3433) (TCCNS = PHIL 2318) 3(3-0)

Prerequisites: English 1113, 1123, and three hours of philosophy, or permission of philosophy advisor.

Twentieth century philosophers, including the methods and history of the various movements.

3233. Early Modern Philosophy (formerly 2433) 3(3-0)

Prerequisites: English 1113, 1123, and three hours of philosophy, or permission of philosophy advisor.

A survey of philosophical problems from Descartes through Kant.

3333. Nineteenth Century Philosophy 3(3-0)

Prerequisites: English 1113, 1123, and three hours of philosophy, or permission of philosophy advisor.

A historical and theoretical survey of the key thinkers and philosophical theories of the nineteenth century.

3433. Existentialism 3(3-0)

Prerequisites: English 1113, 1123, and three hours of philosophy, or permission of philosophy advisor.

A historical and theoretical survey of the key thinkers and ideas in existential philosophy from the nineteenth century to present.

3533. Special Topics in Philosophy 3(3-0)

Prerequisites: English 1113, 1123, and three hours of philosophy, or permission of philosophy advisor.

Specialized studies in philosophy. May be repeated when topics vary.

4993. Independent Study in Philosophy 3(3-0)

Prerequisites: English 1113 and 1123.

Individual directed readings, with approval of philosophy advisor and college dean. May not be repeated.

POLITICAL SCIENCE

Steve Garrison, Chair (O'Donohoe Hall 201)

Professors: Preda, Watson

Associate Professors: Dover, Garrison

Assistant Professors: Duff, Narayanan

Professors Emeriti: Backhaus, Covert, Flavin, Martin, Mertens, Sabota

MISSION STATEMENT FOR THE DEPARTMENT OF POLITICAL SCIENCE

The mission of the Department of Political Science is to foster student political awareness of local, state, regional, national, and international political processes through its core curriculum courses in American and Texas government; as well as its major, minor, and graduate program curriculum. In support of the university's larger liberal arts mission,

the department is committed to high quality instruction, innovative research, and quality service intended to create a learning environment that will broaden students' political understanding of their place in the global community. The department offers a diverse curriculum that includes a variety of methods of study, topical foci, and instructional approaches designed to develop students' descriptive, critical, and analytical thinking skills. Through classroom instruction, active learning, study abroad, and both national and state service learning programs, the department seeks to create students with both a strong understanding of the impact of past political events on contemporary society and also a contextual understanding of the challenges and promises of the future.

The requirements for the degree of Bachelor of Arts with a major in political science are as follows:

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Bachelor of Arts (see page 93)

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, 3583, 3593, 4453; 3 hours from 3653, 4333, 4653, 4773, 4853; 3 hours from 3933, 4133, 4173, 4233, 4243, 4953; 3 hours from: 3233, 3443, 3843, 4043, 4163, 4443; and 3 additional advanced hours. POLS 4903, 4933, and 4973 can be used to fulfill cluster requirements based on their subject matter in a given semester.

All Political Science majors must complete a minor of at least 18 semester hours of which at least six must be advanced. 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 (TCCNS = GOVT 2301) 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 Texas governmental system. The American experiment in federalism and democracy; origin and development of the United States Constitution; federal state relations; the individual as a citizen; political parties and electoral campaigns.

1433. American Government (TCCNS = GOVT 2302) 3(3-0)

Legislative, executive, and judicial functions in the United States and Texas governments; foreign policy; the conduct of foreign relations; civil liberties and rights; national defense; government and the economy; governmental services. Special attention given to Texas.

2523. Foundations of Government and Politics (TCCNS = GOVT 2304) 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.
- 3583. Government and Politics of Latin America** 3(3-0)
Prerequisites: Six hours of political science.
A comparative study of the political institutions and processes of eight Latin American countries. Special attention is given to contemporary topics that affect the region such as populism, bureaucratic authoritarianism, drug trafficking, human rights, and neo-Liberal reform.
- 3593. Asian Politics** 3(3-0)
Prerequisites: Six hours of political science.

Political institutions and structures of China, India, and Southeast Asia, including intrastate conflicts, dictatorships, economic booms and recessions, corruptions, and regime transitions.

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.

4043. Legislation (formerly 4013) 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 intergovernmental 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.
- 4453. Political Protest and Revolutions** 3(3-0)
Prerequisites: Six hours of political science.
An examination of the study of political protest concentrating on the dynamics of the interaction between the regime and the dissidents. This course provides students with both a factual background of modern political revolutions and protest movements as well as examining such theoretical issues as the collective action problem, relative deprivation and resource mobilization theory.
- 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.
- 4773. International Conflict** 3(3-0)
Prerequisites: Six hours of political science.
Major theories behind the study of interstate and intrastate war, terrorism, and other non-state conflicts.
- 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. Independent Study in Government and Politics** 1 semester hour
Prerequisites: Six hours of political science and consent of the department chair.
Supervised reading and research in the field of government and politics.
- 4902. Independent Study in Government and Politics** 2 semester hours
Prerequisites: Six hours of political science and consent of the department chair.
Supervised reading and research in the field of government and politics.
- 4903. Independent Study in Government and Politics** 3 semester hours
Prerequisites: Six hours of political science and consent of the department chair.
Supervised reading and research in the field of government and politics. May be repeated for credit when topics vary.
- 4933. Special Topics in Government and Politics** 3(3-0)
Prerequisites: Six hours of political science.
Topics vary. May be repeated with different content.
- 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. May be repeated with different content.

PSYCHOLOGY

George M. Diekhoff, Chair (O'Donohoe Hall 122)**Professors:** Diekhoff, Vandehey**Associate Professors:** Carlston, Guthrie**Assistant Professors:** Adams, Spiller**Professor Emeritus:** Cuevas**General** (see page 89)**Academic Foundations and Core Curriculum** (see page 91)

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 93.

Program requirements remain the same for either degree and are as follows:

Major (33 semester hours)

PSYC 1103, 2203, 3303, 3313, 3603 or 4203, 3703 or 4003, 4503 or 4703; and 12 advanced hours, selected with the approval of the student's advisor.

BIOL 1134 or 1144 (satisfies part of Natural Science requirement in Academic Foundations and Core Curriculum) is an additional program requirement.

All Psychology majors must complete a minor of at least 18 semester hours of which at least six must be advanced. The minor field selected must be acceptable to the chairs of major and minor programs.

Admission into the Undergraduate Psychology Major

Any student wishing to declare a major in psychology must:

1. have completed the following courses (or equivalents) with a minimum GPA of 2.75: ENGL 1113, 1123, PSYC 1103, 2203, BIOL 1134 or 1144, and a college-level mathematics course; **or**
2. have completed at least 60 hours of college credits with a minimum cumulative GPA of 2.75;
3. complete a "Change of Degree/Major/Minor" form available in the Psychology Department Office (O'Donohoe Hall 122).

The Psychology Admissions Committee will review the application and notify the student as to his/her acceptance or non-acceptance into the major. If accepted, an academic advisor will be assigned with whom the student should meet regularly. Students who have not been admitted to the psychology major should be advised by the Pre-Psychology advisor. Contact the Psychology Department for details.

All psychology majors must take a comprehensive examination during their senior year. Contact the Psychology Department office to make testing 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 advisor and psychology faculty.

GRADUATE PROGRAM

The requirements for a degree of Master of Arts with a major in psychology may be found in a separate graduate catalog.

COURSES IN PSYCHOLOGY (PSYC)

1103. **General Psychology** (TCCNS = PSYC 2301) 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 psycho-sexual 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.

3303. **Writing in Psychology** 3(3-0)

Prerequisites: ENGL 1113, 1123, and PSYC 1103. Psychology majors only.

This is a writing-intensive course intended to provide training for psychology majors on the unique writing guidelines set forth by the American Psychological Association. This course will prepare psychology majors to meet writing expectations of subsequent upper-division courses and for continued academic and professional success. Includes work in library and database research methods.

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.

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.

4303. Critical Thinking in Psychology 3(3-0)

Prerequisites: PSYC 1103, 2203.

Introduction to the process of critical thinking, and the application of this process to some of the more interesting and controversial topics in psychology. Content areas include cognitive biases and distortions, influence techniques, logical fallacies, propaganda, and analysis of psychology research.

4401, 4402, 4403. Independent Study in Psychology 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, 3303, 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. Research Methods in Psychology 3(3-0)

Prerequisites: 12 hours of psychology including PSYC 3303 and 3313.

An introduction to descriptive and experimental designs used in the study of behavior. Course content emphasizes the evaluation of research, developing research questions and hypotheses, research ethics, psychological measurement, basic data analysis, and research report writing.

4773. Special 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

The Prothro-Yeager College of Humanities and Social Sciences offers a social studies course that 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 pages 143 and 148 for degree requirements.)

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

Beverly L. Stiles, Chair (O'Donohoe Hall 122)

Professors: Clark, LaBeff, Stiles, Williams

Assistant Professor: Packard

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

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 page 93.

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 advisor.

All sociology majors must take a written comprehensive examination during their senior year. Contact the Sociology Department office to make testing arrangements.

All Sociology majors must complete a minor of at least 18 semester hours of which at least six must be advanced. The minor field selected must be acceptable to the chairs of major and minor programs.

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** (TCCNS = SOCL 1301) 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** (TCCNS = SOCL 1306) 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.
- 3103. The Consumer Society** 3(3-0)
Prerequisites: SOCL 1133 and 2233.
An examination of various aspects of consumerism in American society. Emphasis is placed on the promotion of consumption through the media and advertising, credit card debt, commercialization of childhood by corporations, as well as cultural change and activism.
- 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.
- 3703. The Sociology of Religion** 3(3-0)
Prerequisites: SOCL 1133 and 2233.

An overview of the relationship between society and religion with a particular focus on modern developments (e.g., religious violence, new religious movements). The course builds on the strong foundations laid by early social theorists such as Max Weber and Emile Durkheim. Students will develop both an understanding of the religious landscape past and present and also of the challenges and opportunities faced by researchers in the sociology of religion.

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. Independent Study in Sociology 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. Racial and Ethnic Relations 3(3-0)

Prerequisites: SOCL 1133, 2233, or consent of instructor.

Critical analysis of some of the major issues on race in U.S. society (and across the world). Emphasis is placed on the theory of racial and ethnic adaptation patterns. We will develop a historical understanding and apply it to contemporary U.S. race relations. What does it mean to be Black, White, Latino, Asian, or mixed? What do these categories mean?

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.

4233. Gender in Society 3(3-0)

Prerequisites: SOCL 1133 and 2233.

Investigates the social organization of gender, especially interaction, cultural, and institutional arrangements that underlie gender inequality in American society.

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.

4413. Deviance 3(3-0)

Prerequisites: SOCL 1133, 2233 or consent of instructor.

Understanding the occurrence of and reaction to deviant behavior in society. This course is a detailed review of the various forms of behavior which are often considered

“deviant” in western society using various theoretical explanations. Some topics include: white collar and corporate crime, drug addiction, alcoholism, suicide, and sexual deviance.

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. Special 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: 12 hours of sociology, majors in sociology, and permission of the instructor.

Field experience in selected agencies. May not be repeated for credit.

4803. Applied Sociology 3(3-0)

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.

4883, 4893. British Culture and Society 3(3-0)

Prerequisites: 3 hours of sociology and consent of instructor.

This class is part of MSU's study abroad program offered during the second summer term. This class compares major institutions within Great Britain and the United States. Institutional issues surrounding the family, government, religion, poverty, education, and sport will provide the context by which students can examine modern living in the U. K. as well as the U.S.



COLLEGE OF SCIENCE AND MATHEMATICS

Rodney Cate, Interim Dean (Bolin Hall 111A)

MISSION STATEMENT FOR THE COLLEGE OF SCIENCE AND MATHEMATICS

The College of Science and Mathematics has as its major mission teaching of the highest quality at both the undergraduate and graduate levels. The college offers 10 undergraduate degrees: biology, chemistry, clinical laboratory science, computer science, environmental science, geosciences, mathematics, mechanical engineering, interdisciplinary engineering, and physics. Master's degrees are offered in biology and computer science. The college has well-educated faculty members who are excellent teachers and professionals in their disciplines.

Through its faculty and programs, the College of Science and Mathematics provides students with the knowledge and skills for life-long learning, the ability to understand the world in which they live, and to comprehend engineering, mathematical, and scientific advancements and their benefit to future generations. To further assist in the accomplishment of this mission, the College of Science and Mathematics fosters research and scholarship of high quality among the faculty, undergraduate, and graduate programs. To provide outreach as an educational institution, the College of Science and Mathematics assists its faculty in utilizing its 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 majors in:

Computer Science	see page 320
Geosciences	see page 329
Mathematics	see page 332

Bachelor of Science with majors in:

Biology	see page 309
Chemistry	see page 314
Computer Science	see page 320
Environmental Science	see page 327
Geosciences	see page 329
Mathematics	see page 332
Physics	see page 345

Bachelor of Science in:

Clinical Laboratory Science	see page 319
Mechanical Engineering	see page 337
Interdisciplinary Engineering	see page 341
Dental Early Acceptance Program (DEAP)	see page 324
Teacher Certification programs for Grades 8 - 12 in Composite Science, Life Science, Mathematics, and Physical Science	see page 149

Master of Science with majors in:

Biology	see graduate catalog
Computer Science	see graduate catalog

BIOLOGY

William B. Cook, Chair (Bolin Hall 218D)

Professors: Cook, Rincón-Zachary, Stangl

Associate Professors: Shipley, Vogtsberger

Assistant Professors: Masuoka, Mills, Scales

Instructor: Javed

Professors Emeriti: Grimes, Horner, Scott

MISSION STATEMENT FOR THE DEPARTMENT OF BIOLOGY

The mission of the Department of Biology is to prepare its graduates to participate in scientific endeavors in a productive and ethical manner. Faculty are committed to providing a strong education in the fundamental principles of biology and training in basic field and laboratory research methods and analytical techniques. The Department of Biology presents students with a coherent perspective of the living world they inhabit in a learning environment founded on a broad-based curriculum fostered by a supportive and collaborative faculty and staff. Collectively we engender and nourish life-long learning and encourage service to the university and the broader community.

The requirements for the degree of Bachelor of Science with a major in biology may be satisfied in any of four areas of emphasis.

- A. Molecular-cellular option
- B. Organismal option
- C. Pre-Professional I (pre-medicine, pre-dentistry, pre-veterinary) option
- D. Pre-Professional II (pre-physical therapy) option

General (see page 89)

Academic Foundations and Core Curriculum (all options see page 91)

Major

Option A

Biology 1144, 1544, 3054, 3064, 3334, 4001, 4714 or 4231 and 4233, three advanced hours in both botany¹ and zoology²; three additional advanced hours (34 hours)

Option B

Biology 1144, 1544, 3054, 3064, 3113 or 3044, 3334, 4001, 4143, 4684; three advanced hours in both botany¹ and zoology²; twelve additional advanced hours (49-50 hours)

Option C

Biology 1144, 1544, 3054, 3064, 3144, 3234, 3334, 4001; 8 additional advanced hours (37 hours)

Option D

Biology 1144, 1544, 3054, 3064, 3334, 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, 3344, 3434, 3644, and 4524.

Program Requirements (see Options, above)

Option A: CHEM 1141, 1143, 1241, 1243, 2001, 2003, 2011, 2013, 3603, 4243; MATH 1433 or 1534, 1634, 1734, 2534; PHYS 1624, 2644

- Option B: CHEM 1141, 1143, 1241, 1243, 2001, 2003; MATH 1433;
 PHYS 1144, 1244; STAT 3573 or PSYC 3313
- Option C: CHEM 1141, 1143, 1241, 1243, 2001, 2003, 2011, 2013, 4243, 4253;
 MATH 1433 or 1534, 1634; PHYS 1144, 1244
- Option D: CHEM 1141, 1143, 1241, 1243, 2001, 2003; MATH 1433;
 PHYS 1144, 1244; STAT 3573 or PSYC 3313; PSYC 2203, 3233, 3603

Foreign Language 1134 and 1234 are required for options A-D.

REQUIREMENTS FOR A MINOR IN BIOLOGY (20 semester hours)

Biology 1144, 1544, 3104 (or 3334 with permission of instructor), and an additional 8 semester hours, of which 3 must be advanced. Courses must be selected in consultation with chair.

COURSES IN BIOLOGY (BIOL)

1134. **Anatomy and Physiology I** (TCCNS = BIOL 2401) 4(3-2)
 Structure and function of the human body. Anatomical terminology, chemical and cellular basis of life, tissues, the integumentary, skeletal, muscular, and nervous systems, including sense organs. Concurrent laboratory participation with animal dissection required.
1144. **General Zoology** (TCCNS = BIOL 1413) 4(3-2)
 Survey of the animal world emphasizing the morphology, life cycles, and distribution of major phyla. Dissection of representative animals.
1234. **Anatomy and Physiology II** (TCCNS = BIOL 2402) 4(3-2)
 Prerequisite: BIOL 1134 with a grade of C or better.
 Structure and function of the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems of humans. Concurrent laboratory participation with animal dissection required.
1544. **General Botany** (TCCNS = BIOL 1411) 4(3-2)
 An introduction to the plant world including structure and physiology of flowering plants, survey of plant diversity and ecological roles of plants.
2144. **Microbiology** (formerly 3004) (TCCNS = BIOL 2420) 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.
3003. **Introduction to Clinical Laboratory Science** (formerly 1113) 3(2-2)
 Prerequisites: BIOL 1234, 2144, CHEM 1241, 1243, and permission of instructor.
 Prepares students in the CLSC program for clinical training. Introduction to medical technologies, professional ethics, and the major disciplines in clinical laboratory sciences. Basic laboratory procedures and correlation of test results with common disease states.
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/preser-

vation of study specimens. Emphasis on non-game species of mammals. Field trips required. Valid Texas hunting license required.

3044. Bacteriology 4(3-3)

Prerequisites: BIOL 3054, 3064.

Study of prokaryotic cell structure and function, bioenergetics, and regulation of cellular functions; survey of adaptations to diverse environments.

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.

3104. Fundamental Genetics 4(3-2)

Prerequisites: One year of biology.

Principles of Mendelian inheritance. Introduction to the molecular basis of genetics. Application of genetic principles to agricultural, medical, and evolutionary questions. May not be applied to biology major.

3113. Biogeography 3(3-0)

Prerequisites: BIOL 1144, 1544 and either BIOL 3054 or 3104.

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 2001 and 2003; 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; BIOL 3064 recommended.

Organ systems of chordates considered in relation to each other with emphasis on mammalian groups. Dissection of representative animals.

3331. Genetics Laboratory 1(0-3)

Prerequisite: Prior or concurrent enrollment in BIOL 3333.

Laboratory exercises illustrating basic principles of genetics using plant and animal model systems.

3333. Genetics 3(3-0)

Prerequisites: One year of biology; BIOL 3054 recommended.

Principles of genetics and their application to living organisms.

3334. **Genetics** 4(3-3)
Prerequisite: BIOL 3054.
Principles of genetics and their application to living organisms; illustrated in laboratory exercises using plant and animal model systems.
3344. **Developmental Biology** (formerly 3343) 4(3-3)
Prerequisites: BIOL 3054, 3064, and 3334.
Embryogenesis, including fertilization, embryonic patterning, and organogenesis, emphasizing molecular mechanisms. Laboratory overview of classical embryology, introduction to current techniques and survey of primary literature.
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.
3644. **Invertebrate Zoology** (formerly 3643) 4(3-3)
Prerequisites: One year of biology.
A survey of the structure, function, systematics and habitats of the protist and invertebrate phyla.
3993. **Practicum** 3(0-3)
Application of basic principles of biology in a professional field or research setting. Credit/no credit only. May not be applied to biology major.
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.
Microscopic, molecular, and serological techniques of basic and clinical immunology.
4023. **Immunology** 3(3-0)
Prerequisites: BIOL 3054, 3064.
Fundamentals of cellular and molecular immunology: structure, function, and genetics of the immune system; regulation of humoral and cell-mediated responses; role of the immune system in human disease.
4033. **Herpetology** 3(2-3)
Prerequisites: One year of biology and permission of instructor.
Taxonomy, ecology, and behavior of amphibians and reptiles with emphasis on local forms. Field trips required.
4043. **Human Genetics** 3(3-0)
Prerequisites: BIOL 3144, 3334; CHEM 2011, 2013.
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 3334.
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 3334, CHEM 2011, 2013; 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.
4444. **Histology** (formerly 4443) 4(3-3)
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 1544, 3054.
Examination of cells and tissues of the plant body. Primary and secondary tissues; reproductive structures; sporogenesis, gametogenesis, and embryogenesis; secretory structures; ecological plant anatomy.
4524. **Animal Parasitology** (formerly 4523) 4(3-3)
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 2003.
Study of physiological process in higher plants. Dormancy, germination; transport; mineral nutrition; hormones; tropic responses; photosynthesis; nitrogen fixation; flowering; senescence and abscission.
4684. **Ecology** 4(3-3)
Prerequisites: One year of biology, MATH 1233; BIOL 3534 recommended.
Biomes; the physical environment; energy flow in ecosystems; population structure and dynamics; growth, distribution, dispersal patterns; species interactions; community structure: theories of diversity; 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, 3064, and 3334 or consent of instructor.
Organization, structure, function, and evolution of eukaryotic cells; intermediary metabolism and biosynthesis; membrane composition, function and synthesis; cytoskeleton structure and function; signal transduction; regulation of the cell cycle; programmed cell death; gene function and regulation; growth and reproduction.
4900. **Research Orientation**
Prerequisites: Consent of the instructor and department chair.
An introduction to research topics and methods.
- 4911, 4912, 4913. **Independent Study** 1-3 semester hours
Prerequisites: A major in the Department of Biology and consent of the college dean.
(Also see prerequisites on page 81.)

Directed research and study in specialized areas of biology. A minimum of 45 laboratory and/or field hours with supporting literature review is required per semester credit hour.

SCIENCE

The Department of Biology also offers a course under the designation of science.

COURSE IN SCIENCE (SCIE)

4900. **Research Orientation**

Prerequisites: Admission into the Undergraduate Research Opportunity and Summer Workshop (UGROW).

An introduction to research topics and methodologies in the basic and applied sciences.

CHEMISTRY

Randal Hallford, Interim Chair (Bolin Hall 307B)

Professors: Cate, Rogers

Associate Professors: Hallford, Hansen

Assistant Professors: Fulton, Shao

Professor Emeritus: Sund

MISSION STATEMENT FOR THE DEPARTMENT OF CHEMISTRY

The mission of the Department of Chemistry is to prepare students for graduate study or employment in a vast array of chemically-related fields. The courses are designed to provide a strong knowledge and skills-based foundation for pursuing advanced degrees in the chemical sciences or health related fields such as human and veterinary medicine, dentistry, and pharmacy.

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 89)

Academic Foundations and Core Curriculum: (see page 91)

Bachelor of Science: (see page 93)

Major

Option A

CHEM 1141, 1143, 1241, 1243, 1253, 2001, 2003, 2011, 2013, 3305, 3405, 3603, 3705, 4243, 4305, two hours of 4001, 4943 (Physical Chemistry Math Prep). (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 one additional advanced laboratory in chemistry, exclusive of 3504 and 4505.)

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, 2001, 2003, 2011, 2013, 3305, 3603, two hours of 4001, 4943 (Physical Chemistry Math Prep), and either 3405 or 4242 and 4243 or 3705 or 3504 and 4505.

Minor

Option A

Professional Chemistry or Prechemical Engineering:

Mathematics (See page 332 and the Chemistry Program Advisor for specific course requirements.) OR

Physics (see page 345 and the Chemistry Program Advisor for specific course requirements); OR

Other (see the Chemistry Program Advisor for specific course requirements); OR

Professional Biochemistry - Biology (See page 309 and the Chemistry Program Advisor for specific course requirements.)

Option B

Pre-Medical, Pre-Dental or Pre-Veterinary - Biology (See page 308 and the Health Professions Advisor for specific course requirements.); OR

Business Emphasis - Business Administration (See page 111.); OR

Computer Science Emphasis - Computer Science (See page 320.)

Others (See your academic advisor.)

Additional Requirements:

Requirements common to both optional degree plans:

MATH 1233 and 1433 or MATH 1534; MATH 1634 and 1734; STAT 3573; PHYS 1624 and 2644; and one year of a foreign language.

Option A

MATH 2534

Option B

See the Health Professions Advisor for additional Pre-Veterinary medical requirements.

Electives

Additional hours to total a minimum of 124 (including exercise physiology 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 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 (TCCNS = CHEM 1105) 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)

(TCCNS = CHEM 1305)

Prerequisite: MATH 1003, math THEA score of 270, math Accuplacer score of 90, or satisfactory score on placement exam.

Recommended for students majoring in business, criminal justice, education, or liberal arts. An introduction to chemical principles and concepts. Allied health science majors should take CHEM 1203.

1141. General Chemistry Laboratory (TCCNS = CHEM 1111) 1(1-3)

Prerequisite: Concurrent enrollment in CHEM 1143.

Basic laboratory practice in chemistry.

1143. General Chemistry (TCCNS = CHEM 1311) 3(3-0)

Prerequisite: Credit or concurrent enrollment in MATH 1233 or 1534.

Atomic and molecular structure, periodic law, states of matter, reactions.

1203. General-Organic-Biological Chemistry (TCCNS = CHEM 1306) 3(3-0)

Prerequisite: MATH 1003, math THEA score of 270, math Accuplacer score of 90, or satisfactory score on placement exam.

An introduction to general, organic, and biological chemistry for the allied health sciences.

1241. General Chemistry Laboratory (TCCNS = CHEM 1112) 1(1-3)

Prerequisites: CHEM 1141 and concurrent enrollment in CHEM 1243.

Qualitative and quantitative analysis.

1243. General Chemistry (TCCNS = CHEM 1312) 3(3-0)

Prerequisites: CHEM 1143 and MATH 1233 or 1534.

Solutions, chemical thermodynamics, equilibrium, electrochemistry, and kinetics.

1253. Descriptive Inorganic Chemistry 3(3-0)

Prerequisite: CHEM 1143.

Quantum and Symmetry Elements of Periodicity and Bonding, Acid-Base Theory, Descriptive Transition Metal Chemistry and Organometallic Chemistry.

2001. Organic Chemistry Laboratory 1(1-3)
(formerly 3001) (TCCNS = CHEM 2123)

Prerequisites: CHEM 1241 and concurrent enrollment in CHEM 2003.

Laboratory experiments to accompany CHEM 2003. Separation and purification techniques and quantitative methods in organic chemistry. An introduction to organic synthesis.

2003. Organic Chemistry (formerly 3003) (TCCNS = CHEM 2323) 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.

2011. Organic Chemistry Laboratory 1(1-3)
(formerly 3011) (TCCNS = CHEM 2125)

Prerequisites: CHEM 2001 and concurrent enrollment in CHEM 2013.

Laboratory experiments to accompany CHEM 2013. Methods of organic synthesis, qualitative analysis, and spectroscopic techniques.

2013. Organic Chemistry (formerly 3013) (TCCNS = CHEM 2325) 3(3-0)

Prerequisite: CHEM 2003 with a grade of C or better recommended.

A continuation of CHEM 2003. 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. May not be counted toward the minor in chemistry. (See chemistry advisor for details.)
Participation in seminar presentations and discussions.
4133. **Advanced Organic Chemistry** 3(3-0)
Prerequisite: CHEM 2013.
Reaction mechanisms, structure elucidation, stereoisomerism, and conformational analysis.
4233. **Molecular Biology** 3(3-0)
(Same as BIOL 4233, page 313.)
4242. **Biochemistry Laboratory** 2(0-4)
Prerequisites: CHEM 2011 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 2013.
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 347.)
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. **Independent Study**
Prerequisites: Consent of the instructor and department chair.
An introduction to research topics and methods.
- 4911, 4922, 4933. **Independent Study in Chemistry** 1-3 semester hours
Prerequisites: CHEM 4900; consent of instructor and department chair. See independent study 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.

CLINICAL LABORATORY SCIENCE

Asma Javed, Coordinator (Bolin Hall 220B)

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

This is a special academic program that has a separate academic foundations curriculum. (See page 100.)

Basic Core (27 semester hours)

Political Science 1333, 1433

English 1113, 1123

Mathematics 1233

History 1133, 1233

Speech Communication - 3 hours

Demonstrate computer literacy by taking a proficiency test or earning credit for CMPS 1013, 1023, 1033, 1043, or EDUC 1023.

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 Exercise Physiology.

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

Major - CLINICAL LABORATORY SCIENCE

Academic Course Work (50 semester hours)

Biology 1144; 1134 and 1234; 2144, 3003, 4023

Chemistry 1141, 1143, 1241, 1243, 2001, 2003; 3305

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 advanced semester hours are awarded in the following areas of instruction: hematology, chemistry, urinalysis, serology, microbiology, blood banking, laboratory rotation.

The coordinator of the clinical laboratory science program will receive and approve syllabi and text materials describing the content of the clinical phase of the clinical laboratory science 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 clinical laboratory science program.

COMPUTER SCIENCE

Ranette H. Halverson, Chair (Bolin Hall 126A)

Professors: Carpenter, Donovan, Halverson, Passos, Stringfellow

Assistant Professors: Griffin, Johnson, Simpson

MISSION STATEMENT FOR THE COMPUTER SCIENCE PROGRAM

The mission of the Department of Computer Science is to provide a source of knowledge to students in preparation for work in the computing field or for entry into graduate programs in computing and related disciplines. The department provides classroom, laboratory, and discovery experiences which emphasize the theory, application, and contemporary research in the computing sciences. Graduates of the department are supported by a liberal arts education and are prepared to be productive members of society.

The requirements for the degree of Bachelor of Science with a major in computer science are as follows:

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Bachelor of Science (see page 93)

Program Requirements

Major

Computer Science 1043, 1053, 2084, 2133, 3023, 3233, 4103, 4113, 4143, 4991, and fifteen hours of computer science electives (twelve advanced hours). Computer Science 1013, 1023, 1033, and 3533 may not be counted toward a major in computer science.

Minor to be selected in a field approved by the Chair of the Department of Computer Science.

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 91)

Bachelor of Arts (see page 93)

Program Requirements

Major

Computer Science 1043, 1053, 2084, 2133, 3233, 3493, 4103, 4113, 4123, 4991, and fifteen hours of computer science electives (twelve advanced hours). Computer Science 1013, 1023, 1033, and 3533 may not be counted toward a major in computer science.

Minor to be selected in a field approved by the Chair of the Department of Computer Science.

Additional Requirements

MATH 1233 and 1433, or MATH 1534

MATH 2333

MATH 1634 or other approved math course

STAT 3573

Computer Science Exit Exam

Minor in Computer Science

The requirements for a minor in computer science are Computer Science 1043, 1053, 2084, 2133, and twelve hours computer science electives (nine advanced hours) to be approved by Chair. Computer Science 1013, 1023, and 1033 may not be counted toward a minor in computer science.

COURSES IN COMPUTER SCIENCE (CMPS)

1013. Computer Concepts and Applications (TCCNS = COSC 1301) 3(2-2)

(formerly Microcomputer Applications for Business)

An introduction to common software applications and computer terminology across a wide variety of disciplines, building a framework for computer use in a technological world. Emphasis is placed on lifelong learning and application of computers to everyday problems through software tools and online techniques. Contemporary topics in the area of computers, technology, and ethical issues are also included. Satisfies the general degree requirement for computer literacy.

1023. Computing for Science Majors 3(3-0)

Prerequisites: MATH 1233 or 1534 or concurrent enrollment therein. Declared major in the College of Science and Mathematics or permission of instructor.

Study of topics related to the use of computers in the natural sciences. Topics include, but are not limited to: advanced use of word processing, spreadsheets, presentation software; also statistical software, scientific visualization, natural science simulation, image processing and string processing in a command line environment. Satisfies the general degree requirement for computer literacy.

1033. Introductory Topics in Computing 3(2-2)

Selected topics from introductory areas of computer science. Topics are selected to meet the needs of non-computer science majors. Satisfies the general degree requirement for computer literacy.

1043. Computer Science I (TCCNS = COSC 1320) 3(3-0)

Prerequisite: Concurrent enrollment in MATH 1233 or 1534 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 (TCCNS = COSC 2320) 3(3-0)

Prerequisites: Minimum grades of C in CMPS 1043 and MATH 1233 or 1534 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.

2084. Introduction to Computer Architecture (TCCNS = COSC 2425) 4(3-2)

Prerequisite: Minimum grade of C in CMPS 1043.

An introduction to the components, functions, and logical relationships present in current scalar computers, including the central processing unit, different levels of memory, control signals, bus systems, data channels, and input/output devices. Also covered are instruction sets and assembly language programming.

2133. Data Structures 3(3-0)

Prerequisites: MATH 2333 and minimum grade of C in CMPS 1053.

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. Logic Design 3(3-0)

Prerequisite: Minimum grade of C in CMPS 2084.

Study of topics related to the design of modern microprocessors, including Boolean algebra, logic gates, design simplification techniques, memory design, programmable control units, and use of hardware description languages.

3233. Theory of Computation 3(3-0)

Prerequisites: Minimum grade 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 to solve problems including but not limited to the following: function approximation solutions of equations, numerical calculus, and differential equations. Includes analysis and the design and writing of programs. (May not be counted toward a major in computer science for the BS degree. 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 2084 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 2084 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.

A study of computer graphics hardware and software with an emphasis on interactive real-time rendering. Topics include but are not limited to mathematics of graphics, 2D and 3D transformations, 3D viewing, polygonal meshes, hidden line and surface algorithms, collision detection, and surface shading and texturing.

4223. Introduction to Simulation 3(3-0)

Prerequisites: CMPS 2133 and STAT 3573.

Introduction to techniques and special purpose languages for the simulation of discrete systems, with an emphasis on queuing systems. Methods for the statistical analysis of the results is included.

4233. Artificial Intelligence 3(3-0)

Prerequisite: CMPS 2133.

Topics to be studied include but are not limited to the following: classical problems in artificial intelligence, knowledge representation, state space search techniques, image processing, neural networks, pattern matching, machine reasoning, and problem solving using LISP.

4313. Interactive 3D Game Graphics 3(3-0)

Prerequisite: CMPS 4213.

Introduction to design and programming of real-time 3D graphics. The course will include, but not be limited to, a study of 3D file formats, model design using 3D modeling tools, model rendering, texturing and animation, high speed terrain rendering, billboard-ing, skyboxes, collision detection, and game engine design. In addition the course will utilize 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 2084 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 2084.

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 differ-

ent 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.

4773. Internship in Computer Science 3(3-0)

Prerequisite: Consent of the chair.

Field experience in the area of computing with an approved business and/or organization.

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 year 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. Independent Study 3 semester hours

Prerequisite: Consent of the chair.

Directed research or study in computer science.

DENTAL EARLY ACCEPTANCE PROGRAM (DEAP)

Christopher Hansen (Bolin Hall 307G)

Professors: See Biology and Chemistry

3 + 4 Dual Degree and Dental Early Admissions Program (DEAP)
Joint Agreement between Midwestern State University and The University of Texas
Health Science Center at San Antonio Dental School

PURPOSE OF PROGRAM

The *3+4 Dual Degree and Dental Early Admission Program (DEAP)* offers outstanding freshmen students with an interest in dentistry an opportunity to receive early acceptance to the University of Texas Health Science Center at San Antonio Dental School and to receive both a Bachelor of Science Degree in Biology or Chemistry at Midwestern State University and a Doctor of Dental Surgery Degree at The University of Texas Health Science Center at San Antonio (UTHSCSA) within seven years.

DESCRIPTION AND POLICY OF THE PROGRAM

1. The student must be admitted to Midwestern State University.
2. When the student has completed no less than 12 and no more than 32 semester hours of academic work, he/she must be accepted to the DEAP program as described below.
 - a. The student must be accepted for admission to DEAP by Admissions Advisor or Health Professions Advisor at Midwestern State University.
 - b. The student must have an acceptable pre-entry interview by faculty of the UTHSCSA Dental School. This interview is to determine the student's motivation for the dental profession, and qualities of character and personality of value to the future dentist.

- c. The student must have Texas resident status or a waiver for entry to DEAP from the Associate Dean for Student Affairs of the Dental School.

Acceptance will not be granted to individuals who have been charged with or convicted of a felony or misdemeanor other than minor traffic violations. (A waiver may be granted by the Dental School in exceptional situations.)

3. The student must complete an accelerated curriculum designed by Midwestern State University that consists of 106-111 semester hours of specified coursework. (Course requirements are listed in the *Undergraduate Curriculum at Midwestern State University* section below.).
4. The student must attend a *DEAP Orientation* workshop at the Dental School during the summer between the second and third undergraduate years. Summer research opportunities at the UTHSCSA will be made available to interested students whenever possible.
5. The student must take the Dental Admission Test (DAT) and must submit an application to the University of Texas Dental Application Center before November 1 of the third undergraduate year.
6. Following successful completion of the three year Midwestern State University curriculum, the student will enroll in the UTHSCSA Dental School contingent on the following:
 - a. A grade of "C" or above in all required pre-dental courses and at least 106-111 semester hours of specified courses.
 - b. A cumulative GPA of 3.4 or above for all courses taken in the three years of Midwestern State University DEAP curriculum.
 - c. A science GPA of 3.4 or above for all science courses required in the three-year Midwestern State University DEAP curriculum.
 - d. A score on the Dental Admission Test (DAT) of 18 or above.
 - e. A positive recommendation from the Admissions Advisor or Health Professions Advisor from Midwestern State University.
 - f. A positive record of ethical behavior while a pre-dental student.

NOTE: Students who fall below the GPA requirements will have their application considered by the Dental School Admissions Committee and will be given favorable consideration whenever possible.

7. Following successful completion of the freshman academic year of the Dental School, the student will be granted a B.S. Degree - Biology or Chemistry from Midwestern State University in accordance with the option chosen below.
8. Following successful completion of the four-year curriculum of Dental School, the student will be granted a D.D.S. degree by the Dental School.

TERMINATION OF JOINT AGREEMENT

Termination of this joint agreement may be initiated by either party. Written notice of intent to terminate must be delivered to the other party at least six months prior to the effective date of termination. Students enrolled in the program at the time of termination of this joint agreement will be given the opportunity to complete the program in its entirety.

UNDERGRADUATE CURRICULUM AT MIDWESTERN STATE UNIVERSITY

1. The student must complete 106-111 hours of undergraduate course work as specified below. Upon the successful completion of the first year of dental school, 16-20 hours of credit from the dental school will be transferred to Midwestern State University and counted toward the Midwestern State University B.S. degree in Biology or Chemistry.

2. Courses to be taken at Midwestern State University:

A. Biology Degree**Freshman Year****Fall**

BIOL 1144
 CHEM 1141/1143
 ENGL 1113
 MATH 1534
 EXPH (1 hour)

Spring

BIOL 1544
 CHEM 1241/1243
 ENGL 1123
 MATH 1634
 EXPH (1 hour)

Summer Session

HIST 1133
 PSYC 1103 or SOCL 1133

HIST 1233

Sophomore Year**Fall**

BIOL 3054
 POLS 1333
 CHEM 2001/2003
 SPCH 1133
 Fine Arts (3 hours)

Spring

BIOL 3064
 POLS 1433
 CHEM 2011/2013
 ECON 1333
 CMPS 1023

Summer Session

Dental Enrichment Program at Dental School

Junior Year**Fall**

BIOL 3334
 BIOL or CHEM (3 adv. hours)
 PHYS 1144
 Foreign Language (4 hours)

Spring

BIOL 3144
 BIOL or CHEM (3 adv. hours)
 PHYS 1244
 Foreign Language (4 hours)

TOTAL MSU HOURS: 106

TOTAL UTHSCSA HOURS: 20 (to be applied to the MSU degree requirements at the end of the first year of dental school)

B. Chemistry Degree**Freshman Year****Fall**

BIOL 1144
 CHEM 1141/1143
 ENGL 1113
 MATH 1534
 EXPH (1 hour)

Spring

BIOL 1544
 CHEM 1241/1243
 ENGL 1123
 MATH 1634
 EXPH (1 hour)

Summer Session

HIST 1133
 Fine Arts (3 hours)

HIST 1233
 PSYC 1103 or SOCL 1133

Sophomore Year**Fall**

BIOL 3054
 POLS 1333
 CHEM 2001/2003
 MATH 1734

Spring

BIOL 3064
 POLS 1433
 CHEM 2011/2013
 ECON 1333

Summer Session

Dental Enrichment Program at Dental School

SPCH 1133

CMPS 1023

Junior Year**Fall**

BIOL 3334

CHEM (5 adv. hours)

PHYS 1624

Foreign Language (4 hours)

Spring

BIOL 3144

CHEM (3 adv. hours)

PHYS 2644

Foreign Language (4 hours)

TOTAL MSU HOURS: 111

TOTAL UTHSCSA HOURS: 16 (to be applied to the MSU degree requirements at the end of the first year of dental school)

3. Courses to be completed at the Dental School during the first year and transferred to Midwestern State University to satisfy the requirements of the B.S. degree in Biology or Chemistry

5.0 hours Dental Histology

7.5 hours Gross Head & Neck Anatomy

1.5 hours Dental Anatomy

2.5 hours Preclinical Dental Anatomy

5.5 hours Biochemistry

1.0 hour Nutrition

6.5 hours Physiology I

4.0 hours Pharmacology

33.5 hours

DEPARTMENT OF GEOSCIENCES**Pamela Buzas Stephens, Chair** (Bolin Hall 102A)**Associate Professors:** Dodge, Stephens**Professor Emeritus:** Kocurko**MISSION STATEMENT FOR THE
DEPARTMENT OF GEOSCIENCES**

The Department of Geosciences provides students with a comprehensive education that prepares them for a variety of employment opportunities as well as graduate school. Degrees incorporate field and classroom experience, with courses that offer the most current technology, information, and research techniques available. Students graduate with skills that enable them to utilize equipment, think critically, and interact effectively.

ENVIRONMENTAL SCIENCE

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 89)**Academic Foundations and Core Curriculum:** (see page 91)

Bachelor of Science: (see page 93)**Major:**

Interdisciplinary - ENSC 1114, 3103, 4103; BIOL 1144, 1544, 3104; CHEM 1141, 1143, 1241, 1243, 3504; GEOS 1134, 3634, 4001.

Minor:

Option A – Biology: BIOL 3133, 3534, 4684, plus 7 additional hours

Option B – Chemistry: CHEM 3305, 4505, plus 8 additional hours

Option C – Geosciences: GEOS 1234, 3134, 4233, plus 7 additional hours

Program Requirements:

PHYS 1144 and 1244; MATH 1433 or 1534, 1634; STAT 3573; one year of a single foreign language.

COURSES IN ENVIRONMENTAL SCIENCE (ENSC)**1114. Foundations of Environmental Science** (TCCNS = ENVR 1401) 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 laboratory science courses.

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.

4103. Internship 3(3-0)

Prerequisites: Seven hours ENSC and two years of biology, chemistry, or geosciences either combined or separately.

Field experience in selected agencies.

GENERAL SCIENCE

Courses in general science are offered 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 pages 138-146 and 149-151.)

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 1-6 and 4-8 education certification. This course may not be substituted to fulfill science core requirement for other majors.

1204. Physical Science 4(3-2)

An introductory survey of topics in physics and chemistry. Creditable only for students seeking grades 1-6 and 4-8 education certification. This course may not be substituted to fulfill science core requirement for other majors.

3104. Concepts of Science 4(3-2)

Prerequisites: GNSC 1104 and 1204, or equivalent.

The curriculum will emphasize the interaction of the science disciplines and feature the fundamental principles of physical, biological and earth sciences for all levels of teaching science. Creditable only for students seeking an education certification in science.

GEOSCIENCES

A program of study leading to the
Bachelor of Arts Degree with a major in Geosciences

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Major

GEOS 1134, 1234, 3134, 3234, 3434, 3534, 3634, 3734 or 4034, 4001, 4534.

Minor

To be chosen in consultation with the student's advisor, and approved by the department chair.

Program Requirements

CHEM 1141, 1143, 1241, 1243; PHYS 1144, 1244; MATH 1233 and 1433 or 1534; six hours of sophomore literature, and two years of a single foreign language (or the equivalent of one language through the second year).

A program of study leading to the
Bachelor of Science Degree with a major in Geosciences

General: (see page 89)

Academic Foundations and Core Curriculum: (see page 91)

Major

GEOS 1134, 1234, 3134, 3234, 3434, 3534, 3634, 3836, 4001, 4233 or 4034, 4534.

Minor

Minor to be chosen in consultation with the student's advisor, and approved by the department chair. A minor in biology, chemistry, physics, mathematics, or computer science is strongly recommended.

Program Requirements

CHEM 1141, 1143, 1241, 1243; PHYS 1144, 1244 or 1624, 2644; MATH 1634 and 1734; one year of a single foreign language.

Requirements for an Interdisciplinary Minor

Geosciences 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).

Requirements for a minor in Geosciences

GEOS 1134, 1234, and 10 additional hours in geosciences, six of which must be advanced.

COURSES IN GEOSCIENCES (GEOS)

1134. **Physical Geology** (TCCNS = GEOL 1403)

4(3-2)

Elements of earth science including the study of earth materials, interpretation of geologic evidence, and study of geological processes.

1234. Historical Geology (formerly 1233) (TCCNS = GEOL 1404) 4(3-2)

Formation of the Earth and the evolution of its origins to the present, plate tectonics, mountain building, and major evolutionary events.

3034. Oceanography (formerly 3133) 4(3-2)

Prerequisites: GEOS 1134 or 1234 or BIOL 1144; or GNSC 1104 and 1204; or consent of the instructor.

An introduction to the physical, chemical, geological, and biological processes of the oceans; history of ocean exploration. Laboratory includes weekend field trip to the Texas coast.

3134. Mineralogy (formerly 2134) 4(3-2)

Prerequisites: GEOS 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.

3234. Petrology 4(3-2)

Prerequisite: GEOS 3134 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(3-2)

Prerequisite: MATH 1433 or 1534 or consent of the instructor. GEOS 3234 is recommended.

Survey of topics including mechanical principles, classification of structural features, and tectonics. Laboratory emphasizes analysis of both surface and subsurface features and field mapping by graphical and mathematical techniques.

3534. Invertebrate Paleobiology 4(3-2)

Prerequisite: GEOS 1234 or BIOL 1144.

Theoretical and descriptive invertebrate paleobiology. Topics covered include speciation, extinction, paleoecology, biostratigraphy, and systematics.

3634. Fundamentals of Remote Sensing 4(3-2)

Prerequisite: GEOS 1134 or consent of the instructor.

An introduction to the principles and concepts of digital remote sensing, including an introduction to electromagnetic radiation, remote sensing instrumentation, sensor technology (multispectral, hyperspectral, radar, etc.), earth resource satellites, digital image interpretation and processing, and GIS integration. Course emphasis will include an analysis of remote sensing images (photographs, satellite imagery, radar imagery, etc.) and their interpretation and use for a variety of applications specific to geologic, biologic, and environmental assessment.

3734. Applied Geomorphology 4(3-2)

Prerequisites: GEOS 1134 and 1234, GEOS 3634, 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 paper and digital topographic maps and remotely sensed imagery for geomorphic and geologic interpretation.

3836. Field Geology 6(3-6)

Prerequisites: GEOS 3134, 3434, and 4534.

Six weeks of geosciences field methods including measurement of sections and interpretation of stratigraphy, structure, depositional environments, and igneous and metamorphic rocks.

4001. Geosciences Seminar 1(1-0)

Prerequisite: Senior Geosciences or Environmental Science major or consent of the instructor.

Oral and/or poster presentation of literature or research topics.

4034. Petroleum Geology 4(3-3)

Prerequisites: GEOS 1134, 3134, and 3434, or consent of the instructor.

Teaches the fundamental skills routinely used by petroleum geologists, including basic well log analysis, log and geologic section correlation, cross section construction, and building of data contour and reservoir maps. Exposure to geophysical seismic data, rock sample evaluation, and well drilling operations. Focus on lab exercises as well as integration of computer applications.

4233. Groundwater Hydrology 3(2-2)

Prerequisites: GEOS 1134, 1234, or consent of the instructor.

An introduction to subsurface groundwater movement and physical properties, emphasizing geological controls on groundwater flow, quantitative methods of the analysis of aquifer systems, regional hydrogeology, water quality, and pollution. Water resources are examined based on their occurrence, movement, and chemistry.

4333. Advanced Topics in Geosciences (formerly 4334) 3(2-2)

Prerequisite: Consent of the instructor.

Lectures, discussion, reading, presentations, and/or laboratory work on advanced topics in geosciences or environmental science.

4534. Sedimentology and Stratigraphy 4(3-2)

Prerequisites: GEOS 1134 and 1234.

Analysis of depositional environments based on the physical and chemical formation of sediment, the physics of sediment transport, and post-depositional diagenetic changes. Also includes the study and interpretation of stratified sedimentary rocks, including their identification, description, and modes of origin. Fundamental principles of lithostratigraphic and sequence stratigraphic analysis, mapping, and correlation are also presented.

4911, 4912, 4913. Independent Study in Geosciences/Environmental Science

1-3 semester hours

Prerequisites: Senior Geosciences or Environmental Science major and consent of the instructor and dean. See page 81 for additional requirements.

Directed research/study in areas of geological science or environmental science.

PROTHRO DISTINGUISHED PROFESSORSHIP OF GEOLOGICAL SCIENCE

The Prothro Distinguished Professorship of Geological Science was established in 1986 to support the work and research of a professor in the Department of Geosciences.

In 2005, Pamela Buzas Stephens was awarded this professorship in recognition of her teaching and research achievements. Dr. Stephens' research focuses on using unicellular foraminifers along the Texas coast for environmental assessment. Results of her research have been presented at national and international scientific meetings, and published in renowned scientific journals.

MATHEMATICS

Dawn Slavens, Interim Chair (Bolin Hall 113A)

Professors: Donovan, Farris, Mitchell, Slavens, Tucker

Associate Professors: Fosnaugh, Schmitter

Assistant Professors: Basu, Belcher, Bernard, Hood, Knox, May, McDonald

Instructors: Jones, Richardson

Professors Emeriti: Hinds, Huffman, Meux, Newton, Rowell, Spiller, Warndorf

MISSION STATEMENT FOR THE DEPARTMENT OF MATHEMATICS

The mission of the Department of Mathematics is to promote student understanding of mathematics. The program provides opportunities for its majors to study mathematics both in breadth and depth. Graduates of the program are prepared for entry into graduate school or mathematics-related careers including the teaching profession. The program also serves the university by providing a broad spectrum of introductory level courses so that students in all majors can fulfill the mathematics portion of a quality liberal arts curriculum.

The requirements for the Bachelor of Arts and Bachelor of Science degrees with majors in mathematics are as follows:

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

Bachelor of Science (see page 93)

Bachelor of Arts (see page 93)

Program Requirements

Major

Mathematics 1634, 1734, 2133, 2534, 3293, 3833, 4133, 4733, plus nine additional advanced hours of mathematics courses (at least one course must be MATH 4143, 4293, or 4833), exclusive of Math 3033, 3113, 3123, and 4033.

Additional Requirements

Consult advisor for approved minor and specific courses.

CMPS 1043, 1053

STAT 3573

Requirements for a minor in Mathematics.

Twenty-one hours of mathematics to include 1634, 1734, 2133, 2534, and six advanced hours exclusive of 3033, 3113, 3123, and 4033.

CREDIT BY EXAMINATION

Proficiency examinations are given for MATH 1233, MATH 1433, MATH 1534, MATH 1634, and MATH 1734. 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 with a grade of C or better, math THEA score of 230, math Accuplacer score of 63, 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 (TCCNS = MATH 1332) 3(3-0)

Prerequisite: MATH 1003, math THEA score of 270, math Accuplacer score of 90, 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.

1203. Mathematical Analysis for Business (TCCNS = MATH 1324) 3(3-0)

Prerequisite: MATH 1003 with a grade of C or better, math THEA score of 270, math Accuplacer score of 90, or satisfactory score on placement exam.

Review of algebra, linear and quadratic equations, graphs, progressions and mathematics of finance, and matrix operations. Each student must have a graphing calculator.

1233. College Algebra (TCCNS = MATH 1314) 3(3-0)

Prerequisite: MATH 1003 with a grade of C or better, math THEA score of 270, math Accuplacer score of 90, or satisfactory score on placement exam.

Equations, inequalities, rational expressions, exponents, logarithms, radicals, functions, graphs, and systems of equations. Each student must have a graphing calculator. (This course is designed for students planning to take additional mathematics.)

1433. Plane Trigonometry (TCCNS = MATH 1316) 3(3-0)

Prerequisite: MATH 1233 with a grade of C or better.

Trigonometric functions, identities and equations, complex numbers. Each student must have a graphing calculator.

1534. Precalculus (formerly 1533) (TCCNS = MATH 2412) 4(4-0)

Prerequisite: MATH 1003 with a grade of C or better, math THEA score of 270, math Accuplacer score of 90, or satisfactory score on placement exam.

Applications of algebra and trigonometry to the study of elementary functions and their graphs including polynomial, rational, exponential, logarithmic and trigonometric functions. Each student must have a graphing calculator. This course is intended for students planning to take MATH 1634.

1634. Calculus I (TCCNS = MATH 2413) 4(4-0)

Prerequisite: MATH 1433 or 1534 with grade 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 (TCCNS = MATH 2414) 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 (TCCNS = MATH 1350) 3(3-0)

Prerequisite: MATH 1233 with a grade of C or better.

Patterns and sequences, sets, the structure of various numeration systems, the four fundamental operations of arithmetic, integers, rational numbers, and elementary number theory. This course stresses conceptual understanding of mathematics through concrete examples, models, multiple representations of ideas and concepts, and processes of mathematical reasoning.

2043. Structure of the Number System II (TCCNS = MATH 1351) 3(3-0)

Prerequisite: MATH 2033 with a grade of C or better.

Decimals, ratio and proportion, percents, real numbers; properties of basic geometric figures in two and three dimensions; congruence, construction, similarity, and basic geometric proof; measurement, perimeter, area, surface area, volume, and unit conversions; Pythagorean theorem and distance formula. This course stresses conceptual understanding mathematics through concrete examples, models, multiple representations of ideas and concepts, and processes of mathematical reasoning.

2133. Introduction to Modern Mathematics 3(3-0)

Prerequisite: MATH 1634 with a grade of C or better.

Introduction to logic and methods of proof, set operations, equivalence relations, functions, mathematical induction, and cardinality. Other topics related to the study of the structure of mathematical proof may be included.

2333. Discrete Mathematical Structures (TCCNS = MATH 2305) 3(3-0)

Prerequisite: MATH 1233 or 1534.

Logic, combinatorics, functions, graphs, Boolean algebra, logic networks, algebraic structures, finite state machines, and computability.

2534. Calculus III (TCCNS = MATH 2415) 4(4-0)

Prerequisite: MATH 1734 with a grade of C or better.

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)

Prerequisites: MATH 1233 and 2043 with grades of C or better.

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: MATH 1233 and 2043 with grades of C or better.

Problem solving techniques and strategies using patterns, logic, number theory, algebra, geometry, combinatorics, strategy games, and network theory.

3123. Concepts of Geometry 3(3-0)

Prerequisites: MATH 1233 and 2043 with grades of C or better.

This course covers standard concepts from Euclidean geometry, including congruence, similarity, parallel postulates, constructions, transformations, area postulates, and constructions using software such as Geometer's Sketchpad. This course is appropriate for those seeking 4-8 mathematics teacher certification.

3133. Foundations of Geometry 3(3-0)

Prerequisite: MATH 2133.

Elementary geometry from an advanced point of view. An axiomatic study of Euclidean geometry plus additional topics which may include finite geometries and non-Euclidean geometries. Students will use a geometry software package. This course is appropriate for those seeking 8-12 mathematics teacher certification.

3293. **Abstract Algebra I** 3(3-0)
Prerequisite: MATH 2133 with grade of C or better.
Introduction to algebraic structures, including groups, group isomorphism, homomorphisms, direct products, and introduction to rings.
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; introduction to phase plane analysis and non-linear problems; Laplace transforms.
3533. **Numerical Analysis** 3(3-0)
Prerequisites: MATH 1734 and CMPS 1043.
Use of numerical methods to solve problems including but not limited to the following: function approximation, solutions of equations, numerical calculus, and differential equations. Includes analysis of problems and the 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)
Prerequisite: MATH 2133.
Combinatorics, graph theory, and difference equations.

4243. **Operations Research** 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.
4293. **Abstract Algebra II** 3(3-0)
 Prerequisite: MATH 3293.
 A continuation of MATH 3293, with emphasis on rings, integral domains, fields, ideals, factor rings, and polynomial rings.
4453. **Theory of Numbers** 3(3-0)
 Prerequisite: MATH 2133.
 Divisors and prime numbers; congruences; primitive roots; quadratic residues; continued fractions; elliptical curves; cryptography.
4573. **Complex Analysis** 3(3-0)
 Prerequisites: MATH 2133 and 2534.
 Functions of one complex variable, Cauchy integral formula, Taylor series.
4733. **Introductory Analysis I** 3(3-0)
 Prerequisites: MATH 1734 and 2133.
 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. **Independent Study** 1-3 semester hours
 Prerequisite: Consent of the chair (see page 81).
 Directed research in mathematics.

MCCOY SCHOOL OF ENGINEERING

Sheldon Wang, Chair (McCoy Engineering Hall 105A)

Professors: Azouz, Wang

Associate Professor: Brink

Assistant Professors: Azzouz, McDonald

Professors Emeriti: Faulk, Sutko

MISSION STATEMENT FOR THE MCCOY SCHOOL OF ENGINEERING

The McCoy School of Engineering supports the missions of the University and the College of Science and Mathematics by providing quality undergraduate education to students and professional expertise for the local and regional industry, government agencies, and other educational entities. This is accomplished in the context of a four-year mechanical engineering program and major design experiences which prepare graduates for successful professional careers and the pursuit of advanced degrees in engineering or other related fields.

The McCoy School of Engineering offers the following degrees:

Bachelor of Science in Mechanical Engineeringsee page 337

Bachelor of Science in Interdisciplinary Engineering*see page 341

*As of the printing of this catalog, the Bachelor of Science in Interdisciplinary Engineering is pending approval by the Texas Higher Education Coordinating Board.)

MECHANICAL ENGINEERING

Mission

The mission of the mechanical engineering program is to provide each graduate with a foundation of knowledge and training upon which to build a successful career in mechanical engineering or related fields. Graduates of the program are well grounded in scientific, mathematical, and mechanical engineering knowledge through curricular activities that reflect technological advances. This is achieved by honing their ability to analyze, synthesize, and design mechanical engineering systems, communicate information, and understand and appreciate the need for life-long learning.

Program Education Objectives

The Midwestern State University mechanical engineering graduates will:

1. display a high level of engineering knowledge and expertise; therefore, graduates will be competitive with their peers in local and global markets;
2. exhibit critical thinking skills necessary to practice engineering design and analysis in a disciplined process;
3. function at a high level of responsibility, individually and in teams, while exhibiting excellent oral, written, and visual communication skills;
4. possess the skills and knowledge to pursue advanced studies and/or assume leadership roles along diverse career paths; and
5. demonstrate a strong appreciation for and commitment to ethical, societal, environmental, and professional responsibilities.

Program Outcomes

The outcomes of the Mechanical Engineering Program include those established by ABET and additional outcomes that are specific to mechanical engineering. Upon completion of the baccalaureate degree in mechanical engineering, each graduate will have:

- a) an ability to apply knowledge of mathematics, science, and engineering;
- b) an ability to design and conduct experiments, as well as to analyze and interpret data;
- c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability;
- d) an ability to function on multidisciplinary teams;
- e) an ability to identify, formulate, and solve engineering problems;
- f) an understanding of professional and ethical responsibility;
- g) an ability to communicate effectively;
- h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context;
- i) a recognition of the need for, and an ability to engage in life-long learning;
- j) a knowledge of contemporary issues;
- k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
- l) a knowledge of chemistry and calculus-based physics with depth in at least one;
- m) the ability to apply advanced mathematics through multivariate calculus and differential equations; and

- n) the ability to work professionally in both thermal and mechanical systems areas including the design and realization of such systems.

The Bachelor of Science in Mechanical Engineering is a special academic program that has a separate academic foundations curriculum. (See page 100.)

Basic Core (25 semester hours)

POLS 1333 and 1433
 ENGL 1113 and 1123
 MATH 1634
 HIST 1133 and 1233
 SPCH 1133, 1233, or 2423
 (MENG majors demonstrate computer literacy by taking MENG 3243 in the major.)

Additional Academic Course Work (33 semester hours):

PHIL 2033
 ENGL 3203
 PHYS 1624 and 2644
 CHEM 1141 and 1143
 MATH 1734, 2534 and 3433
 Two courses to be selected from Exercise Physiology activities courses; or two courses to be selected from Visual and Performing Arts as shown on page 92.
 (MENG majors meet the core requirement for economics with MENG 2133, Engineering Economics.)

Mechanical Engineering Major Course Work (73 semester hours):

MENG 1101, 1133, 1202, 2104, 2113, 2133, 2203, 2204, 2213, 2223, 3104, 3114, 3123, 3203, 3212, 3222, 3234, 3243, 4122, 4123, 4134, 4143, 4203, 4243, and 4253.

The Fundamentals of Engineering (FE) exam is required for graduation effective Fall 2008. This requirement is waived for students who are already in the program as of Spring 2008. However, all students are encouraged to take this exam, which is the first step toward becoming a registered professional engineer.

Only one grade of D is allowed in any engineering/mathematics/physics/chemistry course, and the student must earn a C or better in all advanced courses, and achieve an overall cumulative GPA of at least 2.0. (Effective Fall 2007.)

The Mechanical Engineering program is accredited by the Engineering Accreditation Commission (EAC), Accreditation Board for Engineering and Technology (ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202, (410) 347-7700.

COURSES IN MECHANICAL ENGINEERING (MENG)

1101. Introduction to Engineering (TCCNS = ENGR 1101) 1(0-2)

An introduction to engineering as a career. The major fields of engineering and the typical responsibilities of an engineer are introduced through the use of guest speakers and field trips. Development of skills in teamwork, problem solving, and basic computer applications as related to engineering.

1133. Engineering Graphics (formerly ENDR 1133) (TCCNS = ENGR 1304) 3(1-4)

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.

1202. Solid Modeling (formerly 1203) 2(0-4)

Prerequisite: MENG 1133.

Computer-aided design and problem solving. Use of solid modeling to work with the concepts associated with the design of machine elements such as nuts, bolts, chains and gears.

2104. Electric Circuits (TCCNS = ENGT 1409) 4(3-2)

Prerequisite: MATH 1433 or 1534. PHYS 2644 is recommended.

Units, electric fields, DC series and parallel circuits, Kirchhoff's Laws, network analysis, and AC circuits.

2113. Statics (TCCNS = ENGR 2301) 3(3-0)

Prerequisites: PHYS 1624, MATH 1634.

A study of forces and force systems, resultants and components of force systems, forces due to friction, conditions of equilibrium, and forces acting on frame structures.

2133. Engineering Economics (formerly 2413, 4213) 3(3-0)

Prerequisite: MATH 1634.

The time value of economic resources such as cash flow diagrams, simple and compound interest, present worth, future worth, equal payment series, and the economic evaluation of engineering projects.

2203. Thermodynamics (formerly 3113) 3(3-0)

Prerequisite: MATH 2534.

The fundamental laws of thermodynamics; properties of systems, solids, gases and liquids; and thermodynamic cycles.

2204. Electronics 4(3-2)

Prerequisite: MENG 2104.

Introduction to semiconductor devices, basic amplifiers and feedback, symbolic logic, Boolean algebra, basic TTL gates, counters and flip-flops, shift registers.

2213. Dynamics (TCCNS = ENGR 2302) 3(3-0)

Prerequisite: MENG 2113.

Kinematics and kinetics of particles and rigid bodies in plane motion. Work-energy and impulse-momentum principles.

2223. Mechanics of Solids (formerly 2103, 3103) (TCCNS = ENGR 2332) 3(3-0)

Prerequisite: MENG 2113.

Analysis of structures using stress-strain diagrams, generalized Hooke's law, stress and strain due to axial, torsional, shear, and flexural loads.

3001. Independent Study 1 semester hour

Directed, intensive study in a mechanical engineering subject specified by the instructor.

3002. Independent Study 2 semester hours

Directed, intensive study in a mechanical engineering subject specified by the instructor.

3003. Independent Study 3 semester hours

Directed, intensive study in a mechanical engineering subject specified by the instructor.

3104. Fluid Mechanics (formerly 4103) 4(3-3)

Prerequisite: MENG 2203. Co-requisite: MATH 3433.

Fundamental principles of fluid mechanics. Properties of fluids. Fluid statics. Control volume and transport theorem. Bernoulli's equation. Continuity, momentum, and energy equations. Inviscid and viscous flows. Laminar and turbulent flows. Incompressible and compressible flows. Internal and external flows. Companion lab.

3114. Materials Science (formerly 2214) 4(3-3)

Prerequisites: MENG 2223 and CHEM 1143.

Study of the physical and mechanical characteristics of materials, and the effects of chemical composition, mechanical treatment, and thermal or heat treatment upon material properties. Companion lab.

3123. Measurements and Instrumentation (formerly 3223) 3(2-3)

Prerequisites: MENG 2204, and MATH 3433 or concurrent enrollment therein.

Fundamentals of measurement systems, standards, treatment of data, statistics, uncertainty analysis, data acquisition, transducers, strain, force, acceleration, pressure, temperature, and fluid flow. Companion lab.

3203. Applied Fluid Power Design 3(2-2)

Prerequisite: MENG 3104.

The fundamentals of fluid mechanics as applied to hydraulic and pneumatic hardware. Mathematical models of pumps, motors, pistons, accumulators, valves and transmission lines. Design and analysis procedures for implementing total fluid power systems with high operating efficiencies and adequate dynamic response. Companion lab.

3212. Introduction to Engineering Design 2(2-0)

Prerequisites: MENG 1202 and ENGL 3203. Co-requisite: MENG 2133.

Introduction to the concepts of engineering design and problem solving. Course emphasizes creative and critical thinking, project planning, design functionality, design economics, ethics, technical reporting techniques, computer graphics skills, and team design project activities.

3222. Mechanisms 2(2-0)

Prerequisite: MENG 2213.

Kinematic and dynamic analysis of mechanical devices and machines. Displacement, instantaneous center of zero velocity, velocity and acceleration of linkages, cams, and gear trains. Introduction to synthesis of mechanisms. Design and computer problems.

3234. Heat Transfer (formerly 4233) 4(3-3)

Co-requisite: MENG 3243.

Fundamental laws relating to heat transfer, including steady and transient conduction, convection, and radiation. Introduction to heat exchanger design. Experimental and computational methods. Companion lab.

3243. Computer Aided Engineering (formerly 3143) 3(2-3)

Prerequisites: MENG 1202, 2223, and 3104. Co-requisite: MENG 3234.

An introduction to the Matlab software and its programming tools. Introduction to Finite Elements through Solid Works simulation. Topics include static loads, frequency response, buckling of beams, and fatigue analysis. Study of LabView software. Topics include arrays, while and for loops, case structures, shift register, and sequence locals. Companion lab.

4122. Machine Control Programming 2(1-2)

Prerequisite: MENG 3203.

Logic controller programming with an emphasis on motor control using variable speed drives. Also includes CAM programming using software and CNC equipment. Companion lab.

4123. Mathematical Methods for Engineers 3(3-0)

Prerequisite: MATH 3433.

The use of Fourier series, linear algebra, transforms, and other advanced mathematical methods for the solution of a variety of engineering problems.

4134. Dynamics of Machines (formerly 4133) 4(3-3)

Prerequisite: MENG 3222.

Kinematics and kinetic analysis of common machines and machine elements. Vibration isolation, balancing, critical speed, flywheel design, and dynamic measurement. Design and computer problems. Companion lab.

4143. Senior Design I 3(1-4)

Prerequisites: Completion of all required MENG 3000 level courses or permission of instructor.

Coursework emphasizes creative and critical thinking, planning, design, team work, and project management. This course integrates knowledge gained from most of the required courses in a major design project. Students will design, build, and formally present their completed projects to a panel of professional reviewers. Students will ideally work on projects from local industry. If not available, the students or the instructor may propose projects. Complex projects can be carried to the next design course.

4203. Mechanical Engineering Analysis 3(3-0)

Prerequisite: MENG 4123.

Mathematical modeling, simulation, and statistical analysis of engineering systems and problems.

4243. Senior Design II 3(1-4)

Prerequisite: MENG 4143.

A continuation of MENG 4143.

4253. Control Systems (formerly 4113) 3(3-0)

Prerequisite: MENG 4123. Co-requisite: MENG 4203.

Feedback control of mechanical systems. Emphasis on thermal, fluid, and motion systems under feedback control. Topics include programmable logic controllers, PID control, Laplace transforms, system modeling and performance analysis, stability theory, s-plane, and root locus and/or frequency-based design. Design and computer problems.

INTERDISCIPLINARY ENGINEERING

(As of the printing of this catalog, the Bachelor of Science in Interdisciplinary Engineering is pending approval by the Texas Higher Education Coordinating Board.)

Mission

The mission of the interdisciplinary engineering program is to provide each graduate with a foundation of knowledge and training upon which to build a successful career in fields spanning multiple engineering disciplines. Graduates of the program are well grounded in scientific, mathematical, and engineering knowledge through curricular activities that reflect technological advances. This interdisciplinary engineering program focuses on mechanical, manufacturing, and sustainable energy systems. This is achieved by honing their ability to analyze, synthesize, and design engineering systems, communicate information, and understand and appreciate the need for life-long learning.

Program Education Objectives

Students completing the baccalaureate degree in Interdisciplinary Engineering will:

1. display a high level of interdisciplinary engineering knowledge and expertise. Therefore, graduates will be competitive with their peers in local and global markets;
2. exhibit critical thinking skills necessary to practice interdisciplinary engineering design and analysis of mechanical and manufacturing systems in a disciplined process;

3. function at a high level of responsibility, individually and in teams, while exhibiting excellent oral, written, and visual communication skills;
4. possess the skills and knowledge to pursue advanced studies and/or assume leadership roles along diverse career paths; and
5. demonstrate a strong appreciation for and commitment to ethical, societal, environmental, and professional responsibilities.

Program Outcomes

The outcomes of the Interdisciplinary Engineering Program include those established by ABET and additional outcomes that are related to mechanical and manufacturing engineering. Upon completion of the baccalaureate degree in interdisciplinary engineering, each graduate will have:

- a) an ability to apply knowledge of mathematics, science, and engineering;
- b) an ability to design and conduct experiments, as well as to analyze and interpret data;
- c) an ability to design a system, component, or process to meet desired needs;
- d) an ability to function on multidisciplinary teams;
- e) an ability to identify, formulate, and solve engineering problems;
- f) an understanding of professional and ethical responsibility;
- g) an ability to communicate effectively;
- h) the broad education necessary to understand the impact of engineering solutions in a global and societal context;
- i) a recognition of the need for, and an ability to engage in life-long learning;
- j) a knowledge of contemporary issues;
- k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice;
- l) a knowledge of chemistry and calculus-based physics with depth in at least one;
- m) the ability to apply advanced mathematics through multivariate calculus and differential equations;
- n) the ability to work professionally in both mechanical and manufacturing related systems areas including the design and realization of such systems; and
- o) a knowledge of quality control and metrology.

The Bachelor of Science in Interdisciplinary Engineering is a special academic program that has a separate academic foundations curriculum. (See page 100.)

Basic Core (25 semester hours)

POLS 1333 and 1433

ENGL 1113 and 1123

MATH 1634

HIST 1133 and 1233

SPCH 1133, 1233, or 2423

(IEGR majors demonstrate computer literacy by taking IEGR 3244 in the major.)

Additional Academic Course Work (33 semester hours):

PHIL 2033

ENGL 3203

PHYS 1624 and 2644

CHEM 1141 and 1143

MATH 1734, 2534 and 3433

Two courses to be selected from Exercise Physiology activities courses; or two courses to be selected from Visual and Performing Arts as shown on page 92.

(IEGR majors meet the core requirement for economics with MENG 2133, Engineering Economics.)

Interdisciplinary Engineering Major Course Work (75 semester hours):

MENG 1101, 1133, 1202, 2104, 2113, 2133, 2203, 2204, 2213, 2223;
IEGR 3114, 3123, 3131, 3204, 3214, 3244, 4103, 4114, 4132, 4133, 4212, 4213, 4242,
4243; and
STAT 3584

The Fundamentals of Engineering (FE) exam is required for graduation. It is the first step toward becoming a registered professional engineer.

Only one grade of D is allowed in any engineering/mathematics/physics/chemistry course, and the student must earn a C or better in all advanced courses, and achieve an overall cumulative GPA of at least 2.0.

COURSES IN INTERDISCIPLINARY ENGINEERING (IEGR)**3114. Applied Material Science and Processes** 4(3-3)

Prerequisites: MENG 2223 and CHEM 1143.

Study of the physical and mechanical characteristics of materials, and the effects of chemical composition. It includes the study of a variety of materials processes as applied in industry. Companion lab.

3123. Metrology 3(2-3)

Prerequisite: MENG 2204.

A broad introduction to metrology applications, measurement systems, and measurement uncertainties. Particular topics include concepts and instrumentations associated with pressure, temperature, humidity, flow rate, and radiation measurements. It also includes a brief introduction to the applications of metrology in manufacturing. Companion lab.

3131. Machining/Welding Practicum 1(0-2)

Prerequisite: Concurrent enrollment in IEGR 3114.

Practicum principles of manual lathe and milling machining and a variety of welding processes such as oxy acetelyne, metal inert gas (MIG), tungsten inert gas (TIG), and shielded arc welding.

3204. Thermo-Fluid Systems 4(3-3)

Prerequisites: MENG 2203 and IEGR 3123.

Properties of fluids, fluid statics, Bernoulli's equation. Continuity, momentum, and energy equations. Inviscid and viscous flows. Laminar and turbulent flows. Heat conduction, convection, and radiation. Steady and transient heat transfer. Heat exchanger design. Companion lab.

3214. Production Planning and Control 4(4-0)

Prerequisites: MENG 1133 and 2123.

Study of a variety of production planning and control activities such as project management; ergonomics; inventory control; motion and time study, learning curves; plant layout; forecasting; linear programming, supply chain logistics, value stream mapping and lean manufacturing.

3244. Computational Tools in Engineering 4(3-3)

Prerequisites: MENG 1202, 2223, and IEGR 3204.

Topics include the use of programming software such as Matlab to solve engineering problems. Introduction to Finite Elements methods through SolidWorks simulation. Topics include, static, frequency, buckling, and fatigue analyses. Study of LabView software. Topics include, arrays, while and for loops, case structures, shift register, and sequence locals. Companion lab.

4103. Applied Mathematics 3(3-0)

Prerequisite: MATH 3433.

Linear systems theory (linear algebra, linear differential equations, linear programming) and numerical algorithms for the solution of a variety of engineering problems. Emphasis upon mechanical vibrations, scheduling, budgeting, and transportation problems.

4114. Fluid Power Systems 4 (3-3)

Prerequisites: IEGR 3204; MATH 3433.

A study of hydraulic and pneumatic components and systems. The design and analysis of fluid power systems with emphasis on energy efficiency. The class will include cartridge valve systems and mathematical modeling of servo hydraulic systems.

4132. Senior Capstone Project I 2(1-3)

Prerequisites: Completion of all required 3000 level IEGR courses and STAT 3584 or permission of instructor.

The project will involve using skills of team management and scheduling to work preferably on an industrial project. The project will involve design, presentation and potential construction of the project. The instructor may propose projects at the department level. This project may carry on to the next semester for the IEGR 4242 (Senior Capstone Project II class).

4133. Machine Design 3(2-3)

Prerequisites: MENG 2213 and IEGR 3114, 3244.

Analysis and design of machine elements and machines; loads, stresses, deflections, material selection, fatigue failure, finite elements; mechanical power transmission components including gears, bearings, shafts, and frictional devices. Companion lab.

4212. Renewable Energy Systems 2(2-0)

Prerequisite: CHEM 1143 and MENG 2204 and IEGR 3204.

Topics include principles and applications of hydropower, tide energy, ocean-wave-energy, solar energy, wind energy, geothermal energy, hydrogen and fuel cells. Introduction to electric vehicles.

4213. Applied Control Theory 3(3-0)

Prerequisite: IEGR 4103.

Modeling and control of mechanical, electrical, thermal, and fluidic systems with emphasis on PID, root locus, and frequency design methods. Topics include digital and analog implementation, performance analysis, and an introduction to sliding mode control (SMC) and the linear quadratic regulator (LQR) control design methodologies.

4242. Senior Capstone Project II 2(1-3)

Prerequisites: IEGR 4132 and 4133. Co-requisites: IEGR 4213 and 4243.

A continuation of IEGR 4132.

4243. Automation Systems 3(2-3)

Prerequisites: IEGR 4114 and recommended co-requisite: IEGR 4213.

A study of automated systems such as PLC controlled machinery, CNC machinery using CAM software; robotics, automated inspection and automated inventory control and an introduction to robotic kinematic systems.

PHYSICS

Richard Fleming, Chair (Bolin Hall 307C)

Associate Professor: Fleming

Assistant Professor: Dunn

Professors Emeriti: Holverson, Sims

MISSION STATEMENT FOR THE DEPARTMENT OF PHYSICS

The mission of the Department of Physics is to prepare students for the pursuit of advanced degrees in physics, engineering, or other areas of intellectual endeavor as well as for employment in various physics or engineering related areas by educating them in the fundamental concepts, knowledge, techniques, and skills of physics.

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

General (see page 89)

Academic Foundations and Core Curriculum (see page 91)

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** (TCCNS = PHYS 1401) 4(3-2)

Prerequisite: MATH 1433 or 1534.

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** (TCCNS = PHYS 1402) 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** (TCCNS = PHYS 2425) 4(3-2)

Prerequisite: MATH 1634 or concurrent enrollment therein.

The first part of a two-semester course in classical and modern physics for students majoring in science.

2104. **Electric Circuits** (formerly 2014) 4(3-2)
Prerequisite: MATH 1433 or 1534.
Units, electric fields, DC series and parallel circuits, Kirchoff's Laws, network analysis, and AC circuits.
2204. **Electronics** (formerly 2114) 4(3-2)
Prerequisite: PHYS 2104.
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** (TCCNS = PHYS 2426) 4(3-2)
Prerequisites: PHYS 1624, and credit or concurrent enrollment 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 I** 3(3-0)
Prerequisites: PHYS 2644, MATH 2534 and 3433.
A mathematical treatment of classical electromagnetic theory. Topics include vector analysis, electrostatics, methods for solving Laplace's and Poisson's Equations, electric and magnetic fields in matter, and electrodynamics.
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 concurrent enrollment 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. **Electromagnetic Field Theory II** 3(3-0)
Prerequisites: PHYS 3323, MATH 2534 and 3433.
A continuation of PHYS 3323. Topics include Maxwell's Equations, Conservation Laws, Electromagnetic Waves, Potentials and Fields, Radiation and Relativistic Electrodynamics.
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; angular momentum; two and three dimensional systems; approximation methods; scattering theory.

4911, 4933. Independent Study

1, 3 semester hours

Prerequisite: Permission of the chair of Physics.

STATISTICS

Associate Professor: Schmitter**Professor Emeritus:** Hinds

The College of Science and Mathematics offers courses in statistics.

COURSES IN STATISTICS (STAT)

3573. Probability and Statistics

3(3-0)

Prerequisite: MATH 1233 or 1534.

Descriptive analysis, probability, variability, confidence intervals, hypotheses testing, analysis of variance, correlation and regression, nonparametric statistics.

3584. Statistical Quality Control (formerly 3583)

4(4-0)

Prerequisite: MATH 1634.

Descriptive statistics, probability and hyper geometric, binomial, Poisson, and normal distributions, confidence intervals, hypothesis testing, correlation and regression. Control charts, tolerance limits, 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 Administration Building 215)

Continuing Education is a community-oriented service provided through non-credit, personal enrichment courses, seminars, conferences, and workshops designed to meet the individual's needs and educational requirements.

Continuing Education will work 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's), in a printed 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, American Express, or Discover is available. Upon requests made in prior arrangements, we may 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 MSU Continuing Education, 3410 Taft Blvd., Wichita Falls, Texas 76308. To enroll by telephone, call (940) 397-4756. To enroll by fax, fill out the information needed and fax to (940) 397-4052. Please mention the course or courses for which you are registering. To enroll in person, come to the Hardin Administration Building, room 215.

To enroll online, log onto the Continuing Education web page at <http://web.mwsu.edu/conted>, 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 at (940) 397-4756.

A \$10 administration fee may 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 may not be subject to any refund.

Seminars and workshops may 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 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 the Hardin Administration Building or on the streets east of Taft.

The Center for Continuing Education wishes 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
Regents' Professors
Hardin Professors and Scholars
Faculty Award

THE UNIVERSITY FACULTY

The date indicates year of original appointment.

ADAMS, LAURA, Assistant Professor of Psychology, 2010

B.A., University of North Carolina-Ashville; M.A., Ph.D., University of Arkansas

ANDERSEN, PATRICIA, Associate Professor of Counseling, 2003

B.A., University of Denver; M.S., Shippensburg State University; Ed.D., Rutgers University

ANDERSON, MARY, Assistant Professor of Nursing, 2009

A.A., Wesley College; B.S.N., University of Texas – Arlington; M.S.N., West Texas A&M University

ARCHAMBO, LARRY, Professor of Music, 1988

B.M.E., Oral Roberts University; M.M., D.M.A., University of Kansas

ARNOULT, SHARON L., Associate Professor of History, 2000

B.A., M.A., Ph.D., University of Texas

AZOUZ, IDIR, Professor of the McCoy School of Engineering, 2005

B.S., M.S., Ph.D., University of Tulsa

AZZOUZ, SALIM, Assistant Professor of the McCoy School of Engineering, 2006

B.S., Louis Pasteur University, Strasbourg, France; B.A., M.Sc., Swiss Federal Institute of Technology, Lausanne, Switzerland; Ph.D., Old Dominion University

BARBOSA, DAVID, Associate Professor of Educational Leadership and Technology, 2007

B.A., Friends University; M.Ed., Wichita State University; Ph.D., University of Oklahoma

BASU, SUKANYA, Assistant Professor of Mathematics, 2009

B.S., Vidyasagar University, India; M.S., Ph.D., University of Rhode Island

BECKHAM, AMBER, Instructor in Academic Support Center, 2007

B.A., M.A., Midwestern State University

BEDOIAN, JOYCE, Assistant Professor of Nursing, 2007

B.S.N., University of Southern Maine; M.S.N., University of Pennsylvania

BEECHLER, JUDITH, Assistant Professor of Counseling, 2007

B.A., Doane College; M.Ed., Ph.D., University of North Texas

BEHRENS, PHYLLIS, Assistant Professor of Public Administration, 2008

B.A., Midwestern State University; M.P.A., Texas Tech University; Ph.D., University of Texas - Arlington

BELCHER, SANDRA, Assistant Professor of Mathematics, 1993

B.S., Midwestern State University; M.S., University of North Texas

BERNARD, GUY, Assistant Professor of Mathematics, 2005

Bachelor in Engineering, M.A.Sc., École Polytechnique, Université de Montréal; M.S., University of British Columbia; Ph.D., University of Minnesota

BISBEE, CAROL E., Chair and 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

BLACKLOCK, PHILLIP, Assistant Professor of Education and Reading, 2006

B.S., M.Ed., Midwestern State University; Ed.D.; North Texas University

- BOWLES, BETTY C., **Assistant Professor of Nursing**, 1968-90; 2002
B.S.N., Incarnate Word College; M.S.N., Texas Woman's University; Ph.D., Texas Woman's 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., **Associate Professor of the McCoy School of Engineering**, 1985
B.S., M.S., Texas Tech University; Ph.D., University of Texas-Arlington
- BULTENA, CHARLES D., **Associate Professor of Management**, 1996
B.B.A., M.B.A., Midwestern State University; Ph.D., University of North Texas
- BURGER, MARTHA A., **Associate Professor of Educational Leadership and Technology**, 2001
B.A., Trinity University; M.S., Ed.D., University of Oklahoma
- CALLAHAN, THOMAS, **Instructor of Criminal Justice**, 2009
B.S., M.A., Midwestern State University
- CAPPS, MATTHEW, **Associate Professor of Educational Leadership and Technology**, 2006
B.S., M.Ed., Midwestern State University; Ph.D., Texas A&M University
- CARLSTON, DAVID L., **Graduate Coordinator and Associate Professor of Psychology**, 2004
B.S., Brigham Young University; M.S., Ph.D., Ohio University
- CARPENTER, STEWART B., **Professor of Computer Science**, 1978
B.A., M.C.S., Ph.D., Texas A&M University
- CARROLL, LESLIE T., **Instructor of Athletic Training**, 2009
B.A., Wichita State University; M.Ed., Southwestern Oklahoma State University
- CATE, RODNEY L., **Interim Dean of the College of Science and Mathematics and Professor of Chemistry**, 1978
B.S., Tarleton State University; Ph.D., Arizona State University
- CLARK, ROBERT E., **Vice President of Institutional Effectiveness and Enrollment Management and Professor of Sociology**, 1973
B.A., M.A., Baylor University; Ph.D., University of Montana
- CLOSE, DARIA, **Assistant Professor of Nursing**, 2006
B.S., Rutgers University; M.S.N., Midwestern State University
- COE, MARY ANN, **Professor of Educational Leadership and Technology**, 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
- COMELLO, ROBERT J., **Associate Professor of Radiologic Sciences**, 2002
B.S., East Stroudsburg University; A.A.S., M.S., College Misericordia; M.S., Lehigh University
- COOK, WILLIAM B., **Chair and 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
- CUMMINGS, ROB, **Instructor of Exercise Physiology and Assistant Men's Soccer Coach**, 2007
B.A., Lindenwood University; M.B.A., Rockhurst University
- CURRAN, BARBARA, **Assistant Professor of Dental Hygiene**, 1998
B.S., Baylor University College of Dentistry; M.Ed., Midwestern State University
- CURRY, DAPHNEY, **Instructor of Education and Reading**, 2003
B.S., M.E., Midwestern State University
- DAVIS, FREDRIC C., **Associate Professor of Dental Hygiene**, 1990
B.S., D.M.D., University of Oregon; M.S., University of Iowa
- 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
- DeGROOT, TIMOTHY, **Chair, Graduate Coordinator, and Associate Professor of Management**, 2008
B.S., M.B.A., Florida State University; Ph.D., University of Florida
- DIEHM, GARY E., **Instructor of Athletic Training and Head Athletic Trainer**, 2001
B.S., M.S., Eastern New Mexico University
- DIEKHOFF, GEORGE M., **Chair and Professor of Psychology, and Regents' Professor**, 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
- DODGE, REBECCA, **Associate Professor of Geosciences**, 2008
B.S., University of Texas-Arlington; M.S., Ph.D., Colorado School of Mines
- DONOVAN, JOANNE S., **Instructor of 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., University of Oklahoma; M.S., Shippensburg University; Ph.D., Colorado University
- DOVER, ERNEST A., **Associate Professor of Political Science**, 1985
B.A., Winston-Salem State University; M.A., Ph.D., Kent State University
- DUBINSKY, ALAN J., **Dillard Distinguished Professor of Marketing**, 2010
B.S., M.B.A., Ph.D., University of Minnesota
- DUFF, JEREMY, **Assistant Professor of Political Science**, 2008
B.A., Texas A&M University; M.A., Ph.D., Michigan State University
- DUNN, JACQUELINE, **Assistant Professor of Physics**, 2006
B.S., Ph.D., Texas Christian University
- ELDER, C. DOUGLAS, **Instructor of Exercise Physiology and Head Men's Soccer Coach**, 2000
B.S., Midwestern State University; M.A., University of Houston-Clear Lake
- ESTRADA, ANITA (ANN), **Chair, Graduate Coordinator, and Associate Professor of Education and Reading**, 1979
B.S., Howard Payne College; M.Ed., Ph.D., University of North Texas

- FARRIS, MARK K., **Director of Honors Program and 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
- FIDELIE, LAURA, **Assistant Professor of Criminal Justice**, 2007
B.A., Trinity University; M.B.A., Texas Tech University; J.D., Texas Tech University School of Law
- FIELDS, PETER J., **Associate Professor of English**, 2002
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
- FLEMING, RICHARD G., **Chair and Associate Professor of Physics**, 1989
B.S., Midwestern State University; Ph.D., Texas Christian University
- FLORES-STAFFORD, VENERA, **Instructor of Exercise Physiology, Associate Athletic Director, and Head Women's Volleyball Coach**, 2004
B.A., M.M., University of Dallas
- FOSNAUGH, LINDA S., **Associate Professor of Mathematics**, 1994
B.A., Centenary College of Louisiana; M.A., Ph.D., University of Nebraska
- FRTZSCH, 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-MANJÓN, ROBERTO, **Professor of Foreign Languages**, 1997
B.A., University of Salamanca (Spain); M.A., University of Northern Iowa; Ph.D., University of Georgia
- FUKASAWA, YOSHIKAZU, **Chair of Economics and Finance and Professor of Economics**, 1978
B.A., Fort Hays Kansas State University; M.A., Ph.D., Kansas State University
- FULTON, CANDICE E., **Assistant Professor of Chemistry**, 1996
B.S., Midwestern State University; M.S., University of North Texas
- GAHARAN, CATHERINE, **Associate Professor of Accounting**, 2009
B.S., M.B.A., Nicholls State University; Ph.D., Louisiana State University
- GALBRAITH, THOMAS W., **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, KRISTEN, **Assistant Professor of English, Writing Program Director, and Director of the Writing Proficiency Examination Program**, 2010
B.A., M.A., M.S., University of Kansas; Ph.D., Texas Woman's University
- GARRISON, STEVE R., **Chair, Graduate Coordinator, and Associate Professor of Political Science**, 2002
B.A., M.A., Ph.D., University of Kansas
- GELVES, JUAN, **Assistant Professor of Economics**, 2009
B.S., Escuela Colombiana de Ingenieria; Ph.D., University of Wisconsin-Milwaukee

- GENUNG, VANESSA, **Assistant Professor of Nursing**, 2009
B.A., B.S.N., M.S.S.W., M.S.N., University of Texas - Arlington; Ph.D., Texas Woman's University
- GIBSON, MARTHA, **Assistant Professor of Nursing**, 2005
A.S., Bishop State Community College; B.S., M.S.N., University of South Alabama
- GIDDINGS, GREG W., **Instructor of English**, 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., **Professor of Special 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
- GRANT, SANDRA, **Instructor of Mass Communication**, 2006
B.A., M.A., Wichita State University
- GREEN, REBECCA L., **Instructor of English**, 2002
B.S., M.A., Midwestern State University
- GRESHAM, JENNIFER, **Assistant Professor of Respiratory Care**, 2007
B.S., Midwestern State University; M.A., Texas Woman's University
- GRIFFIN, TERRY W., **Assistant Professor of Computer Science**, 2001
B.A.A.S, M.S., Midwestern State University
- GUTHRIE, PAUL C., **Associate Professor of Psychology**, 1991
B.A., University of Texas-Dallas; M.A., Midwestern State University; Ph.D., University of Arkansas
- HAGGERTY, NELSON D., **Instructor of Exercise Physiology and Assistant Men's Basketball Coach**, 2009
B.A., Baylor University
- HALLFORD, RANDAL, **Interim Chair and Associate Professor of Chemistry**, 2003
B.S., East Central University; M.S., Pittsburg State University; Ph.D., Oklahoma State University
- HALVERSON, RANETTE, **Chair and Professor of Computer Science**, 1980
B.S., M.S., Midwestern State University; Ph.D., University of North Texas
- HAMILTON, PATRICIA, **Dean of the Graduate School and John and Nevils Wilson Distinguished Professor of Nursing**, 2008
B.S., M.S., Ph.D., Texas Woman's University
- HAMMER, MARGARET, **Assistant Professor of Education and Reading**, 2008
B.A., Sam Houston University; M.Ed., Ph.D., Texas A&M University
- HANSEN, CHRISTOPHER A., **Associate Professor of Chemistry**, 2000
B.S., Midwestern State University; M.S., Ph.D., Washington State University
- HARLOW, KIRK C., **Chair, Graduate Coordinator, and Associate Professor of Health Services and Public Administration**, 2004
B.S., M.E.A.S., University of Wisconsin - Green Bay; D.P.H., University of Texas Health Science Center-Houston
- HARMEL, ROBERT M., JR., **Professor of Economics**, 1970-79; 1989
B.S., Texas Tech University; M.S., Ph.D., Iowa State University

- HARVEY, SUSAN, **Assistant Professor of Music**, 2009
B.M., James Madison University; M.A., Virginia Polytechnic Institute and State University; D.M.A., Shenandoah University
- HELTON, PATRICK R., **Assistant Professor of Respiratory Care**, 2005
A.A.S., A.A., Tulsa Community College; B.A., Langston University; M.S., University of Houston
- HENDERSON, CHRISTOPHER, **Electronic Access 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
- HENSCHER, DONALD F., JR., **Professor of Theatre**, 1970
B.S., Dickinson State College; M.A., Colorado State University
- HENSCHER, SALLY M., **Instructor of 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., **Chair, Graduate Coordinator, and Professor of History**, 1967
B.S., M.A., Ph.D., University of Utah
- HILTON, STEVEN, **Assistant Professor of Art**, 2006
B.S., M.S., Southwest Missouri State University; M.F.A., Herberger School of Fine Art from Arizona State University
- HIRAIDE, SUGURU, **Associate Professor of Art**, 2003
B.F.A., West Virginia University; M.F.A., California 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
- HOOD, JEFFREY B., **Assistant Professor of Mathematics**, 2005
B.S., M.S., Texas Tech University; Ph.D., North Carolina State University
- HUANG, SU HUA, **Assistant Professor of Education and Reading**, 2009
B.A., Glencullen University; M.A., Bethel College; Ph.D., University of Oklahoma
- JANSEN, LAUREN, **Assistant Professor of 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
- JAVED, ASMA, **Instructor of Biology**, 1999-2000; 2004
B.S., San Diego State University; M.S., Midwestern State University
- JEFFERSON, LAURA, **Chair and Associate Professor of Theatre**, 1984
B.A., Midwestern State University; M.F.A., Southern Illinois University
- JOHNSON, DAVID, **Instructor of Music**, 2010
B.M., University of Southern California; M.M., Yale University; D.M., Indiana University

- JOHNSON, NOEL, **Instructor of Exercise Physiology and Head Women's Basketball Coach**, 2008
B.S., Texas Tech University; M.Ed., Southwest Texas State University
- 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., **Assistant Professor of Computer Science**, 2000
B.S., M.S., Midwestern State University
- JOHNSTON, CHARLES R., **Associate Professor of Management Information Systems**, 2002
B.S., M.B.A., University of Missouri; Ph.D., University of Texas-Arlington
- JOHNSTON, JAMES N., **Associate Professor of Radiologic Sciences**, 2003
A.A.S., South Plains College; B.S., M.S.R.S., Midwestern State University; Ph.D., Texas Woman's University
- JONES, MARINA LYNN, **Instructor of Mathematics**, 2006
B.S., M.S., Midwestern State University
- JONES, NATHANIEL, **Instructor of Exercise Physiology and Assistant Football Coach**, 2008
B.G.S., University of Louisiana-Monroe
- JUN, NATHAN, **Assistant Professor of Philosophy**, 2008
B.A., Loyola University; M.A., University of Pennsylvania; Ph.D., Purdue University
- KEY, SUSANN, **Instructor in Academic Support Center**, 2006
B.A., Southern Methodist University; M.A., Midwestern State University
- KILGORE, J. LON, **Professor of Exercise Physiology**, 1997
B.S., Lincoln University; M.S., Ph.D., Kansas State University
- KILLION, JEFFREY B., **Graduate Coordinator and Associate Professor of Radiologic Sciences**, 1999
B.S., M.S.R.S., Midwestern State University; Ph.D., Texas Woman's University
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B.S.O.E., Wayland Baptist University; M.Ed., University of Oklahoma; Ph.D., University of North Texas
- KNOX, MICHELLE L., **Assistant Professor of Mathematics**, 2005
B.A., Malone College; M.A., Ph.D., Bowling Green State University
- KURSZESKI, TAMMY R., **Assistant Professor of Respiratory Care**, 2008
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SHAO, JIANGUO, **Assistant Professor of Chemistry**, 2005

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B.S., Ball State University; M.Ed., Springfield College
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B.S., M.S., Midwestern State University; Ph.D., Oklahoma State University
- SIMPSON, RICHARD P., **Assistant Professor of Computer Science**, 1980
B.S., M.A., Sam Houston State University
- SLAVENS, DAWN RENEE, **Interim Chair and Professor of Mathematics**, 1999
B.S., Emporia State University; M.S., Stephen F. Austin State University; Ph.D., University of North Texas
- SMITH, BILLY, **Assistant Professor of Nursing**, 2006
B.S.N., University of Texas - Arlington; M.A., M.S.N., Midwestern State University
- SMITH, BRANDON, **Instructor of Theatre**, 2010
B.F.A., Midwestern State University; M.F.A., University of North Carolina-Chapel Hill
- SPILLER, LAURA C., **Assistant Professor of Psychology**, 2005
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B.S.N., Baylor University; M.S.N., University of Texas-Arlington; M.S., Ph.D., Texas Woman's University; RN
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B.S., United States Air Force Academy; M.S., Golden Gate University; Ph.D., Texas Tech University
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B.S., M.S., Midwestern State University; Ph.D., Texas Tech University
- STEELE-HAMME, NANCY, **Chair and Associate Professor of Art**, 2001
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B.S., North Texas State University; M.A., San Francisco State University; Ed.D., University of Northern Colorado
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B.A., University of St. Francis; M.F.A., Savannah College of Art and Design
- ZHANG, EUGENE, **Assistant Professor of Economics**, 2009
B.A., M.A., Nanjing University Business School, China; M.S., Carnegie-Mellon University; Ph.D., George Mason University
- ZHANG, GRACE, **Assistant Professor of Management Information Systems**, 2007
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- BARNETT, DANA S., **Assistant Professor of English**, 1988-2009
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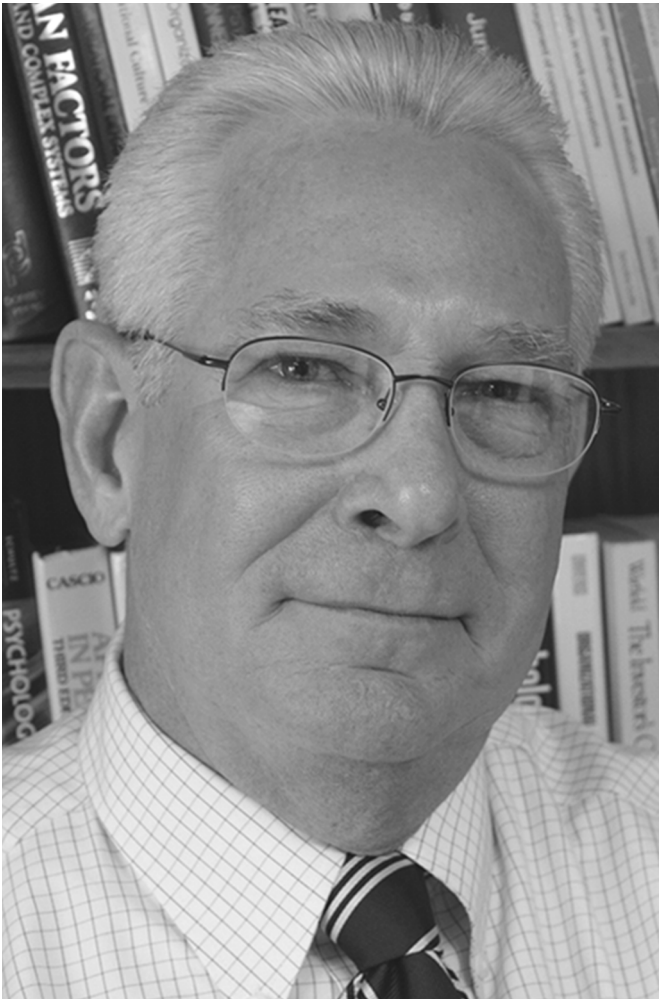
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- HOLVERSON, EDWIN L., B.A., M.S., Ph.D., **Coordinator and Professor of Physics**, 1967-1999.
- HORNER, NORMAN V., B.S., M.S., Ph.D., **Professor of Biology**, 1967-2006
- HOUGH, RONALD, B.A., B.M., M.M., D.M.A., **Professor of Music**, 1971-2010
- HUFFMAN, LOUIE C., B.S., M.Ed., M.A., Ph.D., **Professor of Mathematics**, 1955-1990.
- 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.
- JOHNSON, JEWETT G., B.S.N., M.S.N., **Assistant Professor of Nursing**, 1995-2008
- 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.
- KOCURKO, M. JOHN, B.S., M.S., Ph.D., **Chair and Professor Geology**, 1979-2005.
- MADERA, ROBERT, B.S., B.A., M.A., D.B.A., **Professor of Accounting**, 1951-1988.
- MARTIN, JAMES D., B.A., M.A., Ph.D., **Director of Applied Arts and Sciences and Professor of Political Science**, 1970-2007.
- MARTIN, WALT, B.B.A., M.B.A., **Director of Personnel**, 1966-1987.
- McCULLOUGH, CHARLES D., B.B.A., M.B.A., Ph.D., **Professor of Marketing**, 1985- 2003.
- 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.
- MENARD, TRACY, B.S., M.Ed., Ed.D., **Program Coordinator and Associate Professor of Counseling and Special Education**, 1992-2006.
- 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.

- MEZZO, GLORIA, B.S.N., M.S.N., **Assistant Professor of Nursing**, 1992-2003.
- MOELLER, WARREN L., B.S., M.B.A., **Associate Professor of Business Administration**, 1963-1991.
- NEWTON, ELIZABETH B., B.S., M.S., **Instructor in Mathematics**, 1968-1975; 2000-2004.
- NEWTON, H. GENE, B.A., M.Ed., Ed.D., **Program Coordinator and Professor of Education and Reading**, 1969-2004.
- 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.
- SIMPSON, GRANT W., JR., B.S., M.A., Ph.D., **Dean of the Gordon T. and Ellen West College of Education and Professor of Educational Leadership and Technology**, 2000-2010
- SMITH, LEE A., B.S., M.Ed., Ed.D., **Professor of Education**, 1965-1988.
- SPILLER, DIANE, B.A., M.Ed., **Director of Academic Support Center and Assistant Professor of Mathematics**, 1989-2006.
- STEWART, ALFRED D., JR., B.A., M.A., Ph.D., **Associate Professor of English and Philosophy**, 1973-2008.
- 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.
- SUTKO, ADOLPH, B.S., M.S., Ph.D., **Professor of the McCoy School of Engineering**, 1987-2007.
- 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.
- VAN GEEM, HENRY, B.B.A., M.B.A., Ph.D., **Associate Professor of Finance**, 1964-2003.
- VOLK, MARY E., B.A., M.A., **Certificat d'Etudes Francaises**, **Assistant Professor of Foreign Languages**, 1967-1987.
- WALKER, AVIS JAN, B.A., M.S.S.W., Ph.D., **Chair and Assistant Professor of Social Work**, 1995-2006.
- WARNDORF, JOSEPH, B.S., M.A., **Associate Professor of Mathematics**, 1969-2005.
- WHITLOCK, BAIRD W., B.A., Ph.D., D.Litt., **Professor of English**, 1978-1989.
- ZEMBROD, ANTON, B.S.R.T., M.Ed., **Assistant Professor of Radiologic Technology**, 1972-1989.

REGENTS' PROFESSORS

Beginning with the academic year 2005-2006, the Board of Regents established a three year award to recognize professors who had served higher education for a minimum of fifteen years and the university for a minimum of five years and who had made exemplary contributions in each of the three areas of teaching, research or creative work, and service, and had gained the respect and admiration of colleagues in the profession.

2005	Michael L. Collins
2005	Kenneth E. Hendrickson, Jr.
2010	George M. Diekhoff



George M. Diekhoff
2010 Regents' Professor

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
KENNETH 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. DIEKHOFF	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 M. HARVEY	1998-1999
NELSON L. PASSOS	1999-2000
ROY P. PATIN, JR.	2000-2001
NADIA A. BUGG	2001-2002
EVANS LANSING SMITH	2002-2003
MAGALY RINCON-ZACHARY	2003-2004
MILLE GORE	2004-2005
MICHAEL L. COLLINS	2005-2006
DONALD E. MAXWELL	2006-2007
ROBERTO FUERTES-MANJÓN	2007-2008
JAMES SCHUPPENER	2008-2009
BEVERLY STILES	2009-2010

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
JORGE ANTONIO PARAMO	2002-2003

RUTHI SHERRILL BURNS
ROBBIE LEE GRAHAM
CARYLNE TRICIA CARRETTE
REBECCA ANN BULLION
ERIN KATHLEEN SHORT
LIAM GUTHRIE
JACOB LEE SMITH

2003-2004
2004-2005
2005-2006
2006-2007
2007-2008
2008-2009
2009-2010



Dr. Beverly Stiles
2009-2010 Hardin Professor



Jacob Lee Smith
2009-2010 Hardin Scholar

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 M. Harvey
1999	John V. Grimes
2000	Henry Van Geem
2001	Stewart B. Carpenter
2002	Sandra J. Church
2003	Michaelle Kitchen
2004	Nelson L. Passos
2005	Yoshi Fukasawa
2006	John Martinez
2007	Harry P. Hewitt
2008	Donald F. Henschel, Jr.
2009	Ruth Morrow
2010	Beverly Stiles



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	DRAM 1310	THEA 1503
ACCT 2302	ACCT 2243	DRAM 1322	THEA 2113
ARTS 1301	ART 1413	DRAM 1330	THEA 1513
ARTS 1311	ART 1113	DRAM 1341	THEA 1613
ARTS 1312	ART 1123	DRAM 1351	THEA 1403
ARTS 1316	ART 1313	DRAM 2361	THEA 2433
ARTS 1317	ART 1323	DRAM 2362	THEA 2443
ARTS 2313	ART 2713	ECON 1301	ECON 1333
ARTS 2316	ART 2313	ECON 2301	ECON 2333
ARTS 2326	ART 2523	ECON 2302	ECON 2433
ARTS 2333	ART 2153	EDUC 1301	EDUC 2013
ARTS 2341	ART 2813	ENGL 1301	ENGL 1113
ARTS 2346	ART 2613	ENGL 1302	ENGL 1123
ARTS 2356	ART 2013	ENGL 2322	ENGL 2813
BCIS 1305	MIS 2003	ENGL 2323	ENGL 2823
BIOL 1322	EXPH 2333	ENGL 2327	ENGL 2613
BIOL 1411	BIOL 1544	ENGL 2328	ENGL 2623
BIOL 1413	BIOL 1144	ENGL 2332	ENGL 2413
BIOL 2401	BIOL 1134	ENGL 2333	ENGL 2423
BIOL 2402	BIOL 1234	ENGR 1101	MENG 1101
BIOL 2420	BIOL 2144	ENGR 1304	MENG 1133
BUSI 1301	BUAD 1033	ENGR 2301	MENG 2113
CHEM 1105	CHEM 1101	ENGR 2302	MENG 2213
CHEM 1111	CHEM 1141	ENGR 2332	MENG 2223
CHEM 1112	CHEM 1241	ENGT 1409	MENG 2104
CHEM 1305	CHEM 1103	ENVR 1401	ENSC 1114
CHEM 1306	CHEM 1203	FREN 1411	FREN 1134
CHEM 1311	CHEM 1143	FREN 1412	FREN 1234
CHEM 1312	CHEM 1243	FREN 2311	FREN 2133
CHEM 2123	CHEM 2001	FREN 2312	FREN 2233
CHEM 2125	CHEM 2011	GEOL 1403	GEOS 1134
CHEM 2323	CHEM 2003	GEOL 1404	GEOS 1234
CHEM 2325	CHEM 2013	GERM 1411	GERM 1134
COMM 1307	MCOM 1233	GERM 1412	GERM 1234
COMM 2311	MCOM 1243	GERM 2311	GERM 2133
COMM 2366	MCOM 2213	GERM 2312	GERM 2233
COSC 1301	CMPS 1013	GOVT 2301	POLS 1333
COSC 1320	CMPS 1043	GOVT 2302	POLS 1433
COSC 2320	CMPS 1053	GOVT 2304	POLS 2523
COSC 2425	CMPS 2084	HECO 1322	EXPH 2333
CRIJ 1301	CRJU 1113	HIST 1301	HIST 1133
CRIJ 1306	CRJU 2933	HIST 1302	HIST 1233
CRIJ 2313	CRJU 2243	HIST 2311	HIST 1333
CRIJ 2323	CRJU 2213	HIST 2312	HIST 1433
CRIJ 2328	CRJU 2233	HUMA 1301	HUMN 2053
DRAM 1120	THEA 2121	HUMA 1302	HUMN 2063

MATH	1314	MATH	1233	PHED	1306	EXPH	2213
MATH	1316	MATH	1433	PHED	2356	ATRN	1073
MATH	1324	MATH	1203	PHIL	1301	PHIL	1033
MATH	1332	MATH	1053	PHIL	2303	PHIL	1533
MATH	1350	MATH	2033	PHIL	2306	PHIL	2033
MATH	1351	MATH	2043	PHIL	2307	PHIL	2133
MATH	2305	MATH	2333	PHIL	2316	PHIL	2233
MATH	2412	MATH	1534	PHIL	2318	PHIL	2633
MATH	2413	MATH	1634	PHIL	2321	PHIL	2333
MATH	2414	MATH	1734	PHYS	1401	PHYS	1144
MATH	2415	MATH	2534	PHYS	1402	PHYS	1244
MUSI	1116	MUSC	1601	PHYS	2425	PHYS	1624
MUSI	1117	MUSC	1611	PHYS	2426	PHYS	2644
MUSI	1157	MUSC	1931	PSYC	2301	PSYC	1103
MUSI	1162	MUSC	1211	SOCL	1301	SOCL	1133
MUSI	1165	MUSC	1221	SOCL	1306	SOCL	2233
MUSI	1181	MUSC	1111	SOCW	2361	SOWK	2423
MUSI	1182	MUSC	1121	SPAN	1411	SPAN	1134
MUSI	1306	MUSC	1033	SPAN	1412	SPAN	1234
MUSI	1310	MUSC	1033	SPAN	2311	SPAN	2133
MUSI	1311	MUSC	1603	SPAN	2312	SPAN	2233
MUSI	1312	MUSC	1613	SPCH	1315	SPCH	1133
MUSI	2311	MUSC	2603	SPCH	1318	SPCH	2423
MUSI	2312	MUSC	2613	SPCH	1342	SPCH	1233
PHED	1164	EXPH	1011	TECA	1318	EXPH	2333
PHED	1304	EXPH	1203	TECA	1354	COUN	2023







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MIDWESTERN STATE UNIVERSITY

INFORMATION REQUEST FORM

Prospective students are encouraged to contact MSU Admissions. You may apply for admission online through the Admissions link on the university website: <http://www.mwsu.edu> or <http://www.applytexas.org>. If you wish to schedule a campus visit, contact our office to schedule your personal tour of Midwestern State University.

An undergraduate application fee of \$25.00 will be required. Applications for admission will be processed upon receipt of the necessary fees.

Name _____

Address _____

City _____ State _____ Zip _____

Telephone _____ Date of Birth _____

E-mail: _____

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

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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>



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