MIDWESTERN STATE UNIVERSITY

2012-2014 Undergraduate Catalog Changes (Last updated 06-03-14)

Below are changes which have occurred since the printing of the 2012-2014 Undergraduate Catalog:

Page 6: Academic Calendar – Summer Session 2013

Addition in the First Term calendar: Independence Day Holiday…… July 4

Page 10: University Administration changes

Francine Carraro, Ph.D. …Director, Museum (new hire beginning September 2012)

Betty Stewart, Ph.D. … Provost and Vice President for Academic Affairs (beginning August 1, 2012 - replacement for Dr. White)

James Sernoe, Ph.D. … Interim Dean, Lamar D. Fain College of Fine Arts

~~Laura Jefferson, M.F.A. … Interim Dean, Lamar D. Fain College of Fine Arts~~ (replacement of Dr. Fischli who retired, effective September 2013)

James Johnston, Ph.D. … ~~Interim~~ Dean, College of Health Sciences and Human Services (Title change announced at Academic Council, February 2013, effective Fall 2013)

Deborah Garrison, Ph.D. … Associate Vice President for Academic Affairs and Dean, Graduate School (replacement for Dr. Owen, effective September 2013)

Marilyn Fowlé, Ed.D. … Vice President for Business Affairs and Finance (replacement of Mr. Sandoval who retired, effective September 2012)

……..

Restructuring in Student Affairs and Enrollment Management, effective September 2012:

Keith Lamb, Ph.D. .....Vice President for Student Affairs and Enrollment Management

Randy Glean, Ph.D. .....Director, International Services

Kathy Pennartz, B.B.A. .....Director, Student Financial Aid

Leah Hickman, M.A….Interim Director, Admissions (replacement of Ms. Merkle who retired, effective September 2013)

Dan Williams, M.A. .....Chief, University Police

G. Dail Neely, M.S. ……Director of Clark Student Center (title change effective September 2013)

Jenny Denning, B.S.E. .....Manager, MSU Bookstore

Matthew Park, M.B.A. ……..Associate Vice President for Student Affairs and Dean of Students (title change effective September 2013)

Cammie Dean, B.S. .....Director, Student Development & Orientation

Joey Greenwood, Ed.D. ..... Director, Recreational Sports and Wellness Center

Debra Higginbotham, M.S. .....Director, Disability Support Services

Pam Midgett, Ph.D. ..... Director, Counseling Services

Dirk Welch, M.S. .....Director of Career Management Center and Testing Services

Keith Williamson, M.D. .....Medical Director

Michael Mills, Ed.D. .....Director, Housing and Dining Services

Michael Clifton, B.S. ..... Director, Dining Services

Jon Lane, B.A.A.S. .....Postal Services Supervisor (replacement of Ms. Lovelace who retired, effective September 2013)

……..

Randy Kirkpatrick, B.A. …….. Chief Information Officer (replacement for Mr. Dye, effective April 2013)

Jonathan Matt Shirey, B.B.A. … Webmaster (new hire June 2012)

Steven Charlie Zamastil, B.A. …..Director, MSU Cycling Team (effective August 2012)

Page 14: University Accreditation and Membership:

Change: Midwestern State University is accredited by the ~~Commission on Colleges of the~~ Southern Association of Colleges and Schools Commission on Colleges 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.

(clarification received from Provost's Office, February 27, 2013)

Accreditation

Add: National Association of Schools of Art and Design

(announced in Academic Council, August 2012)

Change From: Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202, (410) 347-7700

To: Engineering Accreditation Commission of ABET

(and move alphabetically in list)

(per Dr. Lynn Little, May 30, 2014, based on accreditation information change)

Page 26: Change for off-campus fee waiver:

From: Students attending courses taught only at off-campus sites 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.

To: Students attending only courses taught at off-campus sites are not required to pay the Student Union/Center Fee or the Student Recreational and Health Facilities Fee. All other fees are required.

(Effective Fall 2013, Board of Regents, May 2013)

Page 27: Course Fees replaced with Instructional Enhancement Fees:

INSTRUCTIONAL ENHANCEMENT FEES
in lieu of Course Fees

The instructional enhancement fee is charged according to the college in which the course is located and the credit hour value for that course.

PER HOUR CHARGE FOR INSTRUCTIONAL ENHANCEMENT FEES

Dillard College of Business Administration (COBA)	8.00
West College of Education (COED)	16.00
Fain College of Fine Arts (COFA)	15.00
College Health Sciences and Human Services (COHSHS)	23.00
Prothro-Yeager College of Humanities and Social Sciences (COHSS)	11.00

College of Science and Mathematics (COSM) 18.00
MWSU Instructional Enhancement Fee 5.00
(Effective Spring 2013, Board of Regents, November 2012)

PER HOUR CHARGE FOR DIFFERENTIAL INSTRUCTIONAL ENHANCEMENT FEES
Dental Hygiene 32.00
Engineering 9.00
Nursing 25.00
(Effective Fall 2013, Board of Regents, May 2013)

Page 28: Degree Fee change:

Graduation Fee ..... ~~20.00~~ **30.00**
(Effective as of September 1, 2013; Board of Regents, May 2013)
~~Thesis Binding (per copy) ..... 25.00~~
(Academic Council, May 2013)
Thesis Binding (per copy) 25.00
(Academic Council, September 2013)

Testing Fee changes:
Correspondence Test: was $10.00, now $15.00
GRE Score It Now (Analytical Writing Test): was $20.00, now $30.00
(Board of Regents, November 2012)

Page 30: Information and Description of Fees:

~~**Medical Service Fee.** 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 summer session. The Medical Services Fee is used only to provide an on-campus physician and medical services to students.~~

~~**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 an international exchange or study program.~~

University Services Fee. Effective Fall 2013, a fee of $45.12 per semester credit hour will be charged to cover various university services including, but not limited to, technology, library, publications, advising, international education, tutoring, supplemental instruction, and student support.

Incidental Fees. The governing board of a university of higher education may fix the rate of incidental fees to be paid under its governances by students and prospective students, and may make rules for collecting and distributing the fees.

1. Graduation Fee. A fee of ~~$20.00~~ $30.00 (effective September 1, 2013) must be paid when a student 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 from the date of Imagine Graduation, forward. Online ordering is available via the MSU Bookstore at http://www.mwsu.edu/bookstore.

1. ~~Library Usage Fee. A fee of $8.00 per semester credit hour will be collected from students to cover library operating costs not currently being met by state appropriations, or other local income.~~
2. ~~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.~~
3. ~~Technology Fee. A fee of $17.00 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.~~
4. ~~Wellness Center Fee. A fee of $1.00 per semester credit hour, not to exceed $15.00, will be charged and collected from students to cover expenses for the wellness programs.~~
5. ~~Energy Surcharge. A fee of $13.00 per semester credit hour will be charged and collected from students to cover the increasing costs of utilities.~~
6. ~~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 to provide academic support services at Midwestern State University.~~

(Effective Fall 2013, Board of Regents, May 2013)

Page 50: Admission by Transfer:

(2nd paragraph change) 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. Registration cannot be completed until these official transcripts are on file with MSU Admissions. Midwestern State accepts transfer work from ~~schools~~ accredited **institutions** ~~by regional accrediting bodies~~.

(6th paragraph change) Grades of D will be accepted in transfer from ~~regionally~~ accredited ~~colleges~~ **institutions**. 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.

(Academic Council, August 2013, in response to SB 215.)

Paged 67-68: Texas Success Initiative:

Beginning the first day of class for the Fall 2013 semester, the TSI tests of Accuplacer, Asset, Compass, and THEA were no longer given. There is only one test now for TSI requirements called the TSI Assessment. This is a new test developed by College Board. Former or transfer students who have already completed TSI requirements will remain complete. Students who have not tested or wish to retest will now use the new TSI Assessment. More information can be found at http://www.mwsu.edu/registrar/success.

Additional changes were made in the areas of exemptions as follows:

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~~ **5 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~~ **an** accredited college or university. ++

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 check the TSI website at ~~http://registrar.mwsu.edu/success.asp~~ http://www.mwsu.edu/registrar/success.

Non-Course Based Options (NCBO): Institutions are now required to provide to certain students with an alternative to developmental education courses. The MSU Mathematics and English departments have developed these options for students meeting certain criteria. Students interested should contact these departments to see if they are eligible.

(Texas Legislature and Texas Higher Education Coordinating Board, effective first day of class for Fall 2013. NCBO additions approved at the August and September 2013 Academic Council meetings.)

Page 72: Course Load change

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 assistantship status = full-time

6 hours for Family Nurse Practitioner**, Family Psychiatric Mental Health Nurse Practitioner and Nurse Educator** majors = full-time

Page 75: General Information on Semester Credit Hours

From: 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.

To: Semester Credit 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.

New Additions:

Semester Credit Hour Guidelines

In keeping with both federal (CFR Title 34, Part 600.2) and state (Texas Administrative Code Title 19, Part 1, Chapter 4, Sub Chapter A, Rule 4.6) standards in setting the minimum requirements for a semester credit hour, MSU utilizes the following guidelines to set minimum work requirements for semester credit hours based on different course and instruction types.

Lecture or Seminars:
Normally, one semester credit hour is associated with a class meeting for 50 minutes of lecture instruction per week for an entire 15 week semester (or the equivalent 750 semester-minutes). Equivalent contact time is required in summer semesters or scheduling formats of varying lengths.

Distance Education and Hybrid Courses
Distance Education and Hybrid courses will be based on the concept that one semester credit hour is granted for 50 minutes per week for 15 weeks as required for traditional classes. Departments and colleges ensure that time spent in the online component would equate to the contact hour requirements for the semester credit hour value of the course in a traditional face-to-face setting. Distance learning can be composed of both synchronous and asynchronous instructional modalities. Equivalent contact time is required in summer semesters or scheduling formats of varying lengths.

Combined Lecture/Lab or Studio
In courses that contain both a lecture and lab component 2-4 semester credit hours are assigned to the course. Typically that breaks down to 50-150 minutes of lecture per week and 50-200 minutes of laboratory or studio instruction per week for 15 weeks. Equivalent contact time is required in summer semesters or scheduling formats of varying lengths.

Clinical
Clinical hours predominately fall in the Health Sciences and Human Services disciplines and may include seminars and conferences, but the primary learning activity is by supervised "hands-on" experience in a clinical setting. Clinical contact hours are determined by program accreditation bodies and the following provides a range inclusive of all relevant accrediting agencies. For undergraduate clinical courses one semester credit hour is associated with 2-13 contact hours per week for 15 weeks (120-780 minutes per week). For graduate clinical courses one semester credit hour is associated with 4 to 6 contact hours per week for 15 weeks (240-360 minutes per week). Equivalent contact time is required in summer semesters or scheduling formats of varying lengths.

Laboratory
One semester credit hour is associated with a laboratory class meeting for 50-150 minutes per week for a 15 week semester. Equivalent contact time is required in summer semesters or scheduling formats of varying lengths.

Studio
One hundred minutes of studio instruction per week equals one semester credit hour in a 15 week semester. Equivalent contact time is required in summer semesters or scheduling formats of varying lengths.

Independent Study, Research, and Student Teaching
Semester credit hours associated with these types of instruction will be assigned depending upon the amount of activity associated with the course, faculty supervision, and student outside work activity. Departments and colleges are responsible for ensuring that course credit meets the minimum contact hour standard set by federal, state, and MSU policy. Student teaching receives 6 semester credit hours for course work but requires contact hours equivalent to full-time teaching for a minimum of 12 weeks.

(adopted by Academic Council, February 2013)

Page 83: Family Educational Rights and Privacy Act of 1974

Addition of sentence: "As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which a student's education records and personally identifiable information (PII) contained in such records may be accessed without the student's consent." (added June 2012)

Page 93: Requirements for the Bachelor of Arts Degree
Requirements for the Bachelor of Science Degree

The following shows clarification and a change to "47 hours" with the reduction of our Institutionally Designated Option in the core from 3 hours to 2 hours:

REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

Academic Foundations and Core Curriculum 47~~48~~ hours (see page 91)

Additional General Requirements

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 B.A. 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 47~~48~~ hours (see page 91)

Additional General Requirements

All B.S. degree programs include at least four laboratory science courses. Students must choose two courses in each of two different laboratory sciences, (exclusive of Physics 1533, Chemistry 1101, 1103, 1303, and Environmental Science 1114).

The B.S. degree programs in psychology and sociology require one mathematics course (exclusive of MATH 0003, 1003, 1053, 1203, 2033, and 2043), which is already included in the core requirements.

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 core requirements, as well as major and/or minor requirements in these fields.

(Presented at Academic Council, January 2013)

Page 102: University Honors program, new course addition, effective Fall 2013:

MWSU 4443. Application of American Sign Language
Prerequisite: MWSU 4433. Honors Seminar-ASL & Deaf Culture
Description: extended development of American Sign Language (ASL) as well as an introduction to other sign language systems utilized in the United States (Signed English, Total Communication, etc.) Students will be required to utilize sign language in weekly class activities and frequent projects throughout the semester emphasizing expressive communication.
Seminar 3(3-0)
(Academic Council, March 2013)

Page 102: International Programs, new course addition, effective Summer I 2013:

MWSU. 1636. Study Abroad Seminar
Description: In-depth study in a topic selected for the study abroad location. May be repeated when topics vary.
Seminar 6(6-0)
(Academic Council, May 2013)

Page 103: Addition of section and related course:

EURECA (enhancing undergraduate research endeavors and creative activities)
This is a program that provides opportunities for undergraduate students to engage in high-quality research and creative activities with faculty. For more information, please contact the EURECA Office at eureka@mwsu.edu or http://www.mwsu.edu/eureca.

MWSU 4001. Creative Inquiry: Interdisciplinary Thinking
Description: This course prepares students to apply research techniques across disciplines and to participate in collaborative projects/creative activities with students and faculty mentors.
Seminar 1(1-0)
(Academic Council, June 2013, effective Fall 2013)

Page 113: Accounting major change:

From: Courses for Major in Accounting: (30 semester hours)
ACCT 3023, 3033, 3043, 3073, 3203, 4063, 4333; LSBA 3243; and six accounting elective hours selected from ACCT 4083, 4123, 4223.

To: Courses for Major in Accounting: (30 semester hours)
ACCT 3023, 3033, 3043, 3073, 3203, 4063, 4333; LSBA 3243; and six accounting elective hours selected from ACCT 4083, 4123, 4223 **4893**.

Page 114: Accounting course prerequisite change:

ACCT 3033:
From: FINC 3733 or concurrent enrollment.
To: ACCT 3023 with grade of C or higher; FINC 3733 or concurrent enrollment.
(changed for Spring 2013, Academic Council, September 2012)

Page 118: Economics, Finance, General Business, and Legal Studies
Remove Assistant Professor E. Zhang (effective June 30, 2012)
(Also on page 374.)

Under Courses for Major in Economics: (27 semester hours)
From: ECON 3323, 3333, 3543, 3703, and FINC 3353, plus 12 semester hours . . .
To: ECON 3323, 3333, 3543, and 3703, plus 15 semester hours . . .
(Academic Council, April 2013, effective immediately)

Realignment of Departments, effective Fall 2013
From: ECONOMICS, FINANCE, GENERAL BUSINESS, and LEGAL STUDIES
To: ECONOMICS, FINANCE, and GENERAL BUSINESS
(Academic Council, April 2013)

Page 123: General Business

From: **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 151.)

To: **REQUIREMENTS FOR THE POST-BACCALAUREATE WITH SECONDARY CERTIFICATION IN BUSINESS**
Students who have completed a degree in business and who are pursing teacher certification should consult with advisors in the West College of Education regarding additional requirements for teacher certification.
(Academic Council, April 2013, effective Fall 2013)

Page 125: **Realignment of Departments, effective Fall 2013**
From: MANAGEMENT AND MARKETING
To: MANAGEMENT, MARKETING, and LEGAL STUDIES
(Academic Council, April 2013)

Page 165: Education, new course additions, effective Fall 2013
EDUC 4513 Introduction to Training and Development
This overview course investigates the design, delivery and evaluation of training programs. The relationship of modern technology and training theories with organizational practices will also be addressed.
Lecture 3(3-0)

EDUC 4523. Trends and Issues in Training and Development
This course will address general trends and issues that affect technology, training and development. Effective strategies and model programs will be discussed to enhance individual development in classrooms and training and development.
Lecture 3(3-0)

EDUC 4533 Instructional Strategies for Adult Learners
This course will explore Instructional strategies, such as group facilitation, cooperative learning, questioning, discussion, problem-solving, simulation, reflective teaching and other instructional techniques. Participants are expected to employ various presentation techniques through small group exercises.
Lecture (3-0)

EDUC 4543 Instructional System Design
Designed for training professionals to study the development, organization and use of curriculum materials and resources in educational settings.
Lecture 3(3-0)

EDUC 4583 Undergraduate Internship in Adult Education
Prerequisites: 24 semester hours in Training and Development and Educational Technology.
Designed as the culminating experience in the Adult Education program; provides 150 clock hours of training experience under the supervision of experiences personnel.
Internship 3(1-4)

EDUC 4723 Mentoring
Mentoring is a study of effective theories, research, and mentoring practices. Students in this course will be expected to master best practices and participate in hands-on learning experiences. The course will approach mentoring as a two-way growth process, emphasizing the developmental nature of mentoring. Training in effective communication skills and cognitive coaching will be included.
Lecture 3(3-0)

ETEC 4123 Instructional Technology Design
This course provides an overview of current trends in instructional technology and examines technological advances in instruction with an emphasis on instructional design in online learning environments. Students will engage in some practical applications of instructional design theory.
Lecture 3(3-0)

ETEC 4143 Multimedia Development
Learners in this course will examine current theories of how people learn in online spaces that employ digital media, and explore a range of online learning tools such as social networking media, Internet Communication Tools (ICT), productivity applications, and wikis. Students will develop learning experiences with these digital media.

ETEC 4173 Multimedia Development II
Learners will continue their study of current and emergent theories of how people learn in online spaces that employ digital media, and explore a range of digital media designed to help the user create interactive and visual learning experiences. Students will explore and use virtual worlds, augmented reality, video and audio creation tools, and educational gaming tools to create learning experiences.
(Academic Council, May 2013)

Page 181: Art, new course additions, effective Summer 2014
ART 4743. Graphic Design with an International Perspective
Prerequisites: ART 1113, 1333
Description: This is the lecture component of the class where students learn the historical and contemporary contributions that London has provided to the field of graphic design. Students will

visit museums, design firms, and receive lectures from some of London's greatest designers in order to broaden their perspective on the design world. Each student will create a design campaign that will be portfolio and exhibition worthy by the end of this course. This course is part of the British Studies Program. Lecture 3(3-0)

ART4753. Graphic Design with an International Perspective
Prerequisites: ART 1113, 1333
Description: This is the studio component of the class where students learn the historical and contemporary contributions that London has provided to the field of graphic design. Students will visit museums, design firms, and receive lectures from some of London's greatest designers in order to broaden their perspective on the design world. Each student will create a design campaign that will be portfolio and exhibition worthy by the end of this course. This course is part of the British Studies Program. Lab/Studio 3(0-6)
(Academic Council, September 2013)

Page 183: Minor for Mass Communication majors: Digital Media
Addition of the following course as a choice under the "3 hours from":
MCOM 4263 Broadcast News I
(Academic Council, August 2012)

Page 204: Theatre
Remove Assistant Professor Smith (effective June 28, 2012) (Also on page 371.)

Page 212: Title change: Interim Dean, Dr. James Johnston, was changed to Dean.
(announced at Academic Council, February 2013)

Mission Statement for the College of Health Sciences and Human Services
Effective Spring 2013:
The College of Health Sciences and Human Services Vision
To be the premier provider of health sciences and human services education on a state, national, and international level through a commitment to quality education for students and their communities.

Mission Statement
In keeping with Midwestern State University's mission to provide students with rigorous undergraduate and graduate education in the liberal arts and the professions, the College of Health Sciences and Human Services seeks to be a premier provider of health sciences and human services education on a state, national, and international level by providing learners with tools for success through:

- Student-centered undergraduate and graduate professional education built upon a strong liberal arts foundation;
- Engagement in traditional and applied research opportunities alongside faculty across disciplines and within their chosen professions;
- Cutting edge educational programs that meet the needs of our global community;
- Recognition and respect for diversity of thought;
- Interdisciplinary collaboration with professionals in the global community;
- Emphasis on scholarly teaching, practice, scientific inquiry, and service;
- Ethical professional practice and an appreciation for continuous life-long learning.

(Academic Council, October 2012)

Page 213: Athletic Training major, change from 62 hours to 60 hours
Remove: EXPH 4701 and PSYC 3314
Add: ATRN 4123
(Academic Council, August 2012)

Page 218: Athletic Training course prerequisite change:
ATRN 3331:
From: Senior standing within the ATEP.
To: Junior standing in Athletic Training major.
(changed for Spring 2013, Academic Council, August 2012)

Pages 219-221: Exercise Physiology major
Remove: EXPH 1983
Add: EXPH 1993
In the "other specific requirements" for the major:
Remove: 3 hours advanced BIOL or CHEM elective
Add: CHEM 1141/1143, CHEM 1241/1243, and MATH 1433
(Academic Council, August 2012)

Effective Fall 2013 (*will affect December 2013 graduates and May 2014 graduates)*
Exercise Physiology students have the following other specific requirements:
BIOL 1144, 3104, 3234, 4444, CHEM 1141/1143, 1241/1243, CMPS 1013, ENGL 3203, MATH 1433, PHYS 1144, 1244, and 3 hours advanced PSYC elective.
EXPH majors and students minoring in Cycling Performance must complete all ATRN & EXPH department course work with a grade of "C" or higher or repeat the course until they receive a passing grade of "C" or higher.
(Academic Council, January 2013)

Exercise Physiology major and other requirements, effective Fall 2013:
Remove: EXPH 2002 (major) and 3 hours advanced PSYC elective (other requirements)
Add: EXPH 3003 (major)

New Course Addition, effective Fall 2013:
EXPH 3003. Strength and Conditioning: Theory and Application
Prerequisites: EXPH 1993 and 2503
Description: A comprehensive theory and practice course designed to prepare the student to function as a sports/exercise science practitioner with the goal of improving human performance and function. The course includes a combination of theoretical discussion, analysis of pertinent research, and practical application addressing the design and implementation of strength and conditioning programs for individuals of various populations.
Lecture 3(3-0)
(Academic Council, March 2013)

Page 237: Nursing
Remove Assistant Professor J. Smith (effective June 30, 2012)
(Also on page 371.)

Additional of Accelerated Nursing Degree Program:
The MSU Wilson School of Nursing proposes the development and implementation of an accelerated second-degree pre-licensure BSN program (ACCEL-RN).

MIDWESTERN STATE UNIVERSITY – WILSON SCHOOL OF NURSING
BACHELOR OF SCIENCE IN NURSING
ACCEL-RN Degree Plan

NON-NURSING COURSE REQUIREMENTS	COMP/ GRADE	COLLEGE/ UNIVERSITY TRANSFER	SEM. HRS.
BIOL 1134 Anatomy & Physiology I			4
BIOL 1234 Anatomy & Physiology II			4
BIOL 2144 Microbiology			4
CHEMISTRY (no lab required)			3
MATH			3
ENGL 1113 Rhetoric & Composition I			3
ENGL 1123 Rhetoric & Composition II			3
PSYC 1103 General Psychology			3
SOCL 1133 Intro to Sociology			3
PSYC 3233 Developmental Psychology			3
PE Activity course			1
PE Activity course			1
Intro to Computers/Microcomputer			3
Humanities or Foreign Language			6
ECON 1333 or 2333			3
HIST 1133 American History to 1865			3
HIST 1233 American History since 1865			3
Fine Arts			3
POLS 1333 American Government I			3
POLS 1433 American Government II			3
SPCH 1133 or 1233			3
		Total for Non-Nsg	65
DISCIPLINE SPECIFIC COURSE REQUIREMENTS			
NURS 3203 Pathophysiology			3
NURS 3803 Theories and Concepts Introduction to Health Care Systems			3
NURS 3811 Health Assessment Competencies Clinical			1
NURS 3812 Health Assessment Competencies			2
NURS 3813 Concepts of Pharmacology in Nursing Practice			3
NURS 3821 Medical Terminology			1
NURS 3833 Foundations in Clinical Concepts & Competencies			3
NURS 3843 Foundations in Clinical Concepts & Competencies Clinical			3
NURS 3853 Concepts in Caring for the Adult Client			3
NURS 3863 Concepts in Caring for the Pediatric Client			3
NURS 3873 Concepts in Mental Health Care			3
NURS 4123 Data Analysis			3
NURS 3503 Nursing Research			3
NURS 3882 Service Learning 1			2
NURS 4803 Concepts in Caring for the Acutely Ill Client			3
NURS 4813 Concepts in Leadership in Nursing			3
NURS 4823 Concepts in Community Health			3
NURS 4833 Concepts in Caring for the Childbearing Family			3
NURS 4842 Concepts in Clinical Reasoning and Judgment			2
NURS 4852 Service Learning 2			2
NURS 4861Critical Competency Integration			1
NURS 4910 Critical Competency Integration Clinical			10

Total for Discipline		63
TOTAL		128

New undergraduate course additions, effective Summer 2013:

NURS 3803. Theories and Concepts: Introduction to Health Care Systems

Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program

~~Co-requisites: NURS 3811, 3812, 3813, 3821, 3833, 3843~~

Description: 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 the nursing process.

Lecture 3(3-0)

NURS 3811. Health Assessment Competencies Clinical

Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program

Co-requisite~~s~~: NURS ~~3803,~~ 3812, ~~3813, 3821, 3833, 3843~~

Description: The focus of this course is on the assessment of the holistic person as an individual and encompasses families, groups, and society. The role of the nurse in health promotion throughout the life cycle is explored by identifying normal and abnormal findings. Emphasis will be placed on acquiring skills to record client histories, to perform physical assessments, and to communicate specific findings. This is the clinical portion of NURS 3812 and must be taken concurrently.

Clinical 1(0-3)

NURS 3812. Health Assessment Competencies

Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program

Co-requisite~~s~~: NURS ~~3803,~~ 3811, ~~3813, 3821, 3833, 3843~~

Description: The focus of this course is on the assessment of the holistic person as an individual and encompasses families, groups, and society. The role of the nurse in health promotion throughout the life cycle is explored by identifying normal and abnormal findings. Emphasis will be placed on acquiring skills to record client histories, to perform physical assessments, and to communicate specific findings.

Lecture 2(2-0)

NURS 3813. Concepts of Pharmacology in Nursing Practice

Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program, and NURS 3803, 3811, 3812, 3821.

~~Co-requisites: NURS 3803, 3811, 3812, 3821, 3833, 3843~~

Description: Explore 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, communities or society (IFGCS) across the lifespan.

Lecture 3(3-0)

NURS 3821. Medical Terminology

Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program

~~Co-requisites: NURS 3803, 3811, 3812, 3813, 3833, 3843~~

Description: This course focuses on the development of a working knowledge and understanding of medical terms. It includes the skills to recognize, comprehend, and utilize language used by members of the allied health professions.

Lecture 1(1-0)

NURS 3833. Foundations in Clinical Concepts & Competencies
Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program, and NURS 3803, 3811, 3812, 3821.
Co-requisites: NURS ~~3803, 3811, 3812, 3813, 3821~~, 3843
Description: The course emphasizes the application of the NANDA taxonomy ii concepts of health promotion, nutrition, elimination/exchange, activity/rest, perception/cognition, self-perception, role relationships, sexuality, coping/stress tolerance, life principles, safety/protection, comfort, and growth and development fundamental to patient care through the life cycle. In both the simulation 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 concept-based patient care.
Lecture 3(3-0)

NURS 3843. Foundations in Clinical Concepts & Competencies Clinical
Prerequisites: Baccalaureate Degree or higher in another major field of study and admission into the ACCEL-RN Program, and NURS 3803, 3811, 3812, 3821.
Co-requisites: NURS ~~3803, 3811, 3812, 3813, 3821~~, 3833
Description: The course emphasizes the application of the NANDA taxonomy ii concepts of health promotion, nutrition, elimination/exchange, activity/rest, perception/cognition, self-perception, role relationships, sexuality, coping/stress tolerance, life principles, safety/protection, comfort, and growth and development fundamental to patient care through the life cycle. In both the simulation 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 concept-based patient care. This is the clinical portion of NURS 3833 and must be taken concurrently.
Clinical 3(0-9)

New undergraduate course additions, effective Fall 2013:
NURS 3853. Concepts in Caring for the Adult Client
Prerequisites: NURS 3803, 3811, 3812, 3813, 3821, 3833, 3843
Co-requisites: NURS 3503, 3863, 3873, 4123
Description: This course is a study of concepts across the span of adult life specific to the care of the adult with an acute or chronic illness and the impact that illness has on the adult's family. Previously learned concepts addressing health promotion, nutrition, elimination and exchange, activity and rest, perception and cognition, self-perception, role relationships, sexuality, coping and stress tolerance, life principles, safety and protection, comfort, and growth and development are integrated throughout the course using the nursing process to plan and evaluate nursing care of the adult individual with an acute or chronic illness.
Lecture 3(3-0)

NURS 3863. Concepts in Caring for the Pediatric Client
Prerequisites: NURS 3803, 3811, 3812, 3813, 3821, 3833, 3843
Co-requisites: NURS 3503, 3853, 3873, 4123
Description: The focus of this course is on the application of holistic nursing principles and concepts used 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.
Lecture 3(3-0)

NURS 3873. Concepts in Mental Health Care
Prerequisites: NURS 3803, 3811, 3812, 3813, 3821, 3833, 3843
Co-requisites: NURS 3503, 3853, 3863, 4123

Description: Individuals with psychosocial and/or psychiatric needs are considered a vulnerable population in today's health care settings. Concepts and principles emphasized in this course pertain to communication, inner personal relationships, and utilization of the nursing process in planning the nursing care for clients manifesting psychosocial and or psychiatric needs. Individualized and supplemental materials as well as class room discussions provides students with opportunities to develop a greater understanding of self and to increase their ability in relating to individuals, families, group and communities (IFGC) along the mental health continuum in structured and non-structured settings.
Lecture 3(3-0)

NURS 3882. Service Learning I
Prerequisites: NURS 3803, 3811, 3812, 3813, 3821, 3833, 3843
Description: Service Learning I is a self-paced community service course for nursing students enrolled the second semester of the Accelerated Second Career Program. Focus is on participating in experiences that reinforce concepts taught in nursing courses. Emphasis is on using the nursing process as a framework for assessment of individual client needs within the community service organization setting; and developing, implementing, and evaluating appropriate plans of care.
Clinical 2(0-6)

New undergraduate course additions, effective Spring 2014:
NURS 4803. Concepts in Caring for the Acutely Ill Client
Prerequisites: NURS 3503, 3853, 3863, 3873, 4123
Co-requisites: NURS 4813, 4823, 4833, 4842
Description: This course is a study of concepts across the span of life specific to the care of the individual who is acutely or critically ill and the impact that illness has on the individual's family. Previously learned concepts addressing health promotion, nutrition, elimination and exchange, activity and rest, perception and cognition, self-perception, role relationships, sexuality, coping and stress tolerance, life principles, safety and protection, comfort, and growth and development are integrated throughout the course using the nursing process to plan and evaluate nursing care of the acutely or critically ill individual.
Lecture 3(3-0)

NURS 4813. Concepts in Leadership in Nursing
Prerequisites: NURS 3503, 3853, 3863, 3873, 4123
Co-requisites: NURS 4803, 4823, 4833, 4842
Description: Emphasis is on leadership as a BSN graduate as well as the management of nursing care and personnel in various healthcare settings. Theories of leadership, management, economics, and change are explored including the varying patterns of healthcare delivery. Strategies for implementing change are discussed. Patient safety as well as the assessment and evaluation of quality within an organization are explored.
Lecture 3(3-0)

NURS 4823. Concepts in Community Health
Prerequisites: NURS 3503, 3853, 3863, 3873, 4123
Co-requisites: NURS 4803, 4813, 4833, 4842
Description: The focus is on application of holistic nursing principles in the community. The focus is on the nurse in the community, putting prevention into practice and the promotion of wellness. Assessment and planning care to families, groups, and communities and application of the nursing process will be explored. Utilization of epidemiological data, local, state and national resources for community health, health promotion, disease prevention, health planning/teaching, cultural awareness and issues of diversity will be emphasized at the local, state, national, and global levels.
Lecture 3(3-0)

NURS 4833. Concepts in Caring for the Childbearing Family
Prerequisites: NURS 3503, 3853, 3863, 3873, 4123
Co-requisites: NURS 4803, 4813, 4823, 4842
Description: This course applies concepts used by the nurse to assist childbearing families achieve their maximum potential. A focus on patient/family education is integrated throughout the course. Lifestyle and cultural diversity within individual, families, and communities is emphasized. Reliable information drawn from a variety of sources including nursing research assists the student to develop plans for evidence-based practice. Reproductive processes and women's health issues within the context of a variety of healthcare settings are explored through use of the nursing process, critical thinking and problem solving.
Lecture 3(3-0)

NURS 4842. Concepts in Clinical Reasoning and Judgment
Prerequisites: NURS 3503, 3853, 3863, 3873, 4123
Co-requisites: NURS 4803, 4813, 4823, 4833
Description: This course is a development of clinical judgment skills. Emphasis is placed on integrating previously learned concepts with a focus on clinical problem-solving. Critical thinking is applied in resolving actual clinical problems.
Lecture 2(2-0)

NURS 4852. Service Learning II
Prerequisite: NURS 3882
Description: Service Learning II is a self-paced community service course for nursing students enrolled in the third semester of the ACCEL-RN Program. Service Learning II is the second of a two-course series designed to reinforce concepts taught in nursing courses. Emphasis is on using the nursing process as a framework for assessment of families, groups, and communities as clients; and developing, implementing, and evaluating appropriate plans of care.
Clinical 2(0-6)
(Academic Council, November 2012, and course co-requisites and prerequisites adjusted March 2013)

Change of Course Prerequisites, effective Spring 2014:

NURS 3853. Concepts in Caring for the Adult Client
~~Co-Requisites: NURS 3503, 3863, 3873, 4123~~

NURS 3863. Concepts in Caring for the Pediatric Client
~~Co-Requisites: NURS 3503, 3853, 3873, 3503, 4123~~

NURS 3873. Concepts in Mental Health Care
~~Co-Requisites NURS 3503, 3853, 3863, 4123~~

NURS 4803. Concepts in Caring for the Acutely Ill Client
Prerequisites: NURS 3503, 3853, 3863, 3873~~, 4123~~
~~Co-Requisites: NURS 4813, 4823, 4833, 4842~~

NURS 4813. Concepts in Leadership in Nursing
Prerequisites: NURS 3503, 3853, 3863, 3873~~, 4123~~
~~Co-Requisites: NURS 4803, 4823, 4833, 4842~~

NURS 4823. Concepts in Community Health
Prerequisites: NURS 3503, 3853, 3863, 3873~~, 4123~~
~~Co-Requisites: NURS 4803, 4813, 4833, 4842~~

NURS 4833. Concepts in Caring for the Childbearing Family
Prerequisites: NURS 3503, 3853, 3863, 3873~~, 4123~~
~~Co-Requisites: NURS 4803, 4813, 4823, 4842~~

NURS 4842. Concepts in Clinical Reasoning and Judgment
Prerequisites: NURS 3503, 3853, 3863, 3873~~, 4123~~
~~Co-Requisites: NURS 4803, 4813, 4823, 4842~~
(Academic Council, December 2012)

New undergraduate course additions, effective Summer 2014:
NURS 4861. Critical Competency Integration
Prerequisites: NURS 4803, 4813, 4823, 4833, 4842
Co-requisite: NURS 4910
Description: This course is the application of the concepts learned throughout the program. Previously learned concepts addressing health promotion, nutrition, elimination and exchange, activity and rest, perception and cognition, self-perception, role relationships, sexuality, coping and stress tolerance, life principles, safety and protection, comfort, and growth and development are integrated throughout the course using the nursing process to plan, implement and evaluate nursing care of individuals, families, groups, and communities.
Lecture 1(1-0)

NURS 4910. Critical Competency Integration Clinical
Prerequisites: NURS 4803, 4813, 4823, 4833, 4842
Co-requisite: NURS 4861
Description: This course is the application of the concepts learned throughout the program. Previously learned concepts addressing health promotion, nutrition, elimination and exchange, activity and rest, perception and cognition, self-perception, role relationships, sexuality, coping and stress tolerance, life principles, safety and protection, comfort, and growth and development are integrated throughout the course using the nursing process to plan, implement and evaluate nursing care of individuals, families, groups, and communities. This is the clinical portion of NURS 4861 and must be taken concurrently.
Clinical 10(0-30)
(Academic Council, November 2012, and course co-requisites and prerequisites adjusted March 2013)

Page 245-249: Nursing, prerequisite and co-requisite changes, effective Fall 2013

NURS 3412. Mental Health Nursing Clinical
Prerequisites: NURS 3313, **3243**, 3244 and 3253
Co-requisite: NURS 3413. This is the clinical portion of NURS 3413.

NURS 3413. Mental Health Nursing (formerly 3406)
Prerequisites: NURS 3313, **3243**, 3244, and 3253
Co-requisite: NURS 3412

NURS 3243. Basic Nursing Care
Prerequisites: NURS 3103, 3203, 3211, 3212, ENGL 1113, 1123, MATH 1053 or 1233, PSYC 1103, 3233, and SOCL 1133,
Co-requisite: NURS 3253

NURS 3253. Basic Nursing Clinical (formerly 3242)
Prerequisites: NURS **3103**, 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 **3243** 3244. This is the clinical portion of NURS **3243** 3244.

NURS 4022. Family Health Nursing Care II Clinical
Prerequisites: NURS 3411, 3412, 3413, 3422, and 3423.
Co-requisite: NURS 4023. This is the clinical portion of NURS 4023.

NURS 4023. Family Health Nursing Care II
Prerequisites: NURS 3411, 3412, 3413, 3422, and 3423.
Co-requisite: NURS 4022

NURS 4304. Leadership in Nursing
Prerequisite: Senior standing in nursing, **NURS 3412, 3413, 3422, 3423**

NURS 4612. Clinical Decision Making Clinical
Prerequisite: Must be taken in final semester, **NURS 4022, 4023, 4042, 4053, 4304**
Co-requisite: **NURS 4613**. This is the clinical portion of NURS 4613.

NURS 4613. Clinical Decision Making
Prerequisite: Must be taken in final semester, **NURS 4022, 4023, 4042, 4053, 4304**
Co-requisite: **NURS 4612.**

(Academic Council, April 2013)

Page 252: Radiologic Sciences - **ADVANCED PLACEMENT PROCEDURES**

From: 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.

To: Students in the BSRS Degree Completion Program are awarded **46 credit hours for holding current and valid professional certification** from the American Registry of Radiologic Technologists (ARRT), the Nuclear Medicine Technology Certification Board (NMTCB) or the American Registry of Diagnostic Medical Sonography (ARDMS).

(Academic Council, December 2012)

Page 263: Respiratory Care

From: 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 who 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 may grant the holder of the RRT credential 43 semester hours toward the 68 required Respiratory Care semester hours. This **block** of credit will be granted once the student has successfully completed 9 semester hours of MSU Respiratory Care course work.

To: 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 who 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 may grant the holder of the RRT credential 43 semester hours toward the 68 required Respiratory Care semester hours. This **transfer** of credit will be granted once the student has successfully completed 9 semester hours of MSU Respiratory Care course work.

(Academic Council, December 2012)

Page 266: Respiratory Care, new course addition, effective Spring 2014

RESP 4133. Developing Leadership Capabilities in Respiratory Care
Description: The focus of this lecture course is to introduce students to leadership theories in healthcare. This course provides a foundation for future healthcare leaders. Students are exposed to a series of alternative leadership perspectives, including collaborative models. Topics include: defining leadership, interdisciplinary and interprofessional working, communication and leadership, and leadership for change.
Lecture 3(3-0)

(Academic Council, September 2013)

Page 269: Social Work

Point of information correction to catalog: some SOWK course numbers changed with the last catalog, and the listing of courses for the major in the front section need a correction to reflect the new numbers instead of the old numbers:

Major (44 hours) SOWK 2423, ~~2544,~~**3544**, ~~2554,~~ **3554,** 3533, 3643, 3833, 3943, 3953, 4213, 4236, and 4246. SOWK 4123 or NURS 4123.

(Academic Council, August 2013)

Page 277: Bachelor of Applied Arts and Sciences, addition of new Option D, effective Fall 2013

Option D: The BAAS Program with Adult Education Emphasis
The Adult Education emphasis is a gateway program that provides students with the background to serve an organization in the area of training and development for adults. The course work combines strategies in adult learning, instructional system designs, best practice for adult learners regarding curriculum development, mentoring and the integration of technology into the training and development process. A graduate would be prepared for a career in training and development for the military, civil service, business or industry.

General (see page 89)
Academic Foundation and Core Curriculum (see page 91)

Occupational Specialty (24-36 semester hours)
Credits toward an area of coherent specialization may be earned from 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. To qualify for work experience credit, a student must have 3 consecutive years of full-time employment within the last 6 years. A student may be awarded 2 hours of credit for each qualifying year of job experience related to the student's occupational specialty up to a maximum of 6 hours. Credit for non-traditional experiences is granted on the basis of evaluation by the Director and the B.A.A.S. staff 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 advanced semester hours that will include 3 hours of Internship [EDUC 4583], BAAS 4113, and 3 hours of advanced electives.)

The Adult Education Emphasis is 36 advanced semester hours from the following:
EDUC 4513
EDUC 4523

EDUC 4533
EDUC 4543
EDUC 4583
EDUC 4723
ETEC 4003
ETEC 4123
ETEC 4143
ETEC 4173
BAAS 4113
3 hours of advanced electives
(Academic Council, May 2013)

Pages 279-280: English course changes

New Course Addition, effective Spring 2014
ENGL 1014. Integrated Reading and Writing
Description: This course provides instruction and practice in analyzing and evaluating textual information and in composing clear and logical texts. A one-hour computer lab is included. The course is required of those students who have not met TSI readiness standards in reading, writing, or both.
Lecture and Lab 4(3-1)
Note: this course is a combination of objectives from both ENGL 1003 and 1013 and includes computer lab time.

Deletion of Courses, effective Spring 2014
ENGL 1003. Introduction to College Composition
ENGL 1013. Introduction to College Reading
(Academic Council, October 2013)

Page 287: Foreign Languages

Linda Hollabaugh, Acting Chair (effective May 3, 2012)
Retirement of Dr. Garcia (effective May 31, 2012)
(Also on pages 362 and 364.)

Page 289:

German:

New Course Addition, effective Spring 2014
GERM 3133. Contemporary German Culture
Description: Germany is Europe's largest and most densely populated country. Since 1989 it has gone through fundamental transformations. Its borders have changed, its geopolitical significance has changed, its population has changed. It has become the motor of the European Union. It has gone from being one of the closest allies of the United States to one of its chief critics. Its new capital Berlin has become the cultural capital of the 21st century. It is a place of daring experiments and reactionary violence. It is a place of fascinating contradictions that present many challenges. This course will offer students an introduction to and overview of this dynamic country on the move. Through introductory lectures and class discussions, we will explore a variety of issues: e.g., the cost of unification, the Nazi legacy, post-communism, immigration, citizenship, the European Union, Old Europe, managing capitalism, and the role of gender and sexual minorities in Germany today. There are no prerequisites required for the course. The Language of instruction and all class materials are in English
Lecture 3(3-0)
(Academic Council, October 2013)

Spanish:

Delete: All Spanish majors and minors must take a departmental oral proficiency exam and a written comprehensive exam during the senior year. Contact the Department of Foreign Languages office to make testing arrangements.

(Academic Council, December 2012)

Pages 293-294: History course changes:

New Course Additions, effective Fall 2013:

HIST 3113. American Indian History

Prerequisite(s): Six hours of history or consent of chair.

Description: A survey of American Indian history that considers early migrations through European contact, relocation, acculturation, termination, self-determination, and the civil rights movement of the 20th century.

HIST 4063. Twentieth Century American West

Prerequisite(s): Six hours of history or consent of chair

Description: An examination of the history and development of the trans-Mississippi West from approximately 1890 to the present. The course will consider major themes such as native and immigrant peoples, rural vs. urban politics, economic growth and development, the environment, regionalism, and the West in popular culture.

(Academic Council, February 2013)

Page 308: Political Science, new course additions, effective Spring 2014

POLS 4543. Feminist Political Theory

Prerequisites: Six hours of Political Science

Description: This course examines women and gender in society through the lens of feminist political theories and movements. It explores the connection between social movements and theory and critically analyzes the intersection of systems of inequality in the lives of women and the feminist project. It examines the complexities of patriarchy and uses feminist theories to explore the conceptions of equality and dismantling systems of discrimination and oppression that feminist theories produce.

Lecture 3(3-0)

LATS 2503. Introduction to Latin American Studies

Description: Provides an introduction to the culture and society of Latin America through an examination of the themes and problems that influence contemporary Latin America. Interdisciplinary in approach, this course utilizes lectures, films, readings, and artistic exhibitions, to explore the themes of multiethnic cultural expressions, revolution and resistance, democratization and human rights, indigenous identity, and sustainable development in terms of the major political, social, and cultural challenges facing the region today.

Lecture 3(3-0)

WGST 2503. Introduction to Women's and Gender Studies

Description: To provide an introduction to the study of gender in society. It examines issues of women, gender, and sex, from an interdisciplinary perspective. This course will combine interdisciplinary scholarship, court cases, film, lecture, and class discussion in order to help students develop a critical eye for examining the social, political, and cultural constructions of gender.

Lecture 3(3-0)

(Academic Council, September 2013)

Pages 314-317: Sociology changes:

Effective Fall 2013:

Major (B.A. and B.S.) (~~33~~ **34** semester hours)

SOCL 1133, ~~2233~~, 3633, 4153, 4803, PSYC 3314 and ~~15~~ **18** advanced semester hours selected with the approval of the student's advisor.

REQUIREMENTS FOR A MINOR IN SOCIOLOGY

Eighteen semester hours including SOCL 1133, ~~2233~~, plus ~~12~~ **15** additional advanced semester hours.

Change of Course Prerequisite, effective Spring 2013:

SOCL 3103. The Consumer Society
From: SOCL 1133 and 2233
To: 6 hours of sociology or consent of instructor

SOCL 3403. Social Psychology
From: SOCL 1133
To: 6 hours of sociology or consent of instructor

SOCL 3703. The Sociology of Religion
From: SOCL 1133 and 2233
To: 6 hours of sociology or consent of instructor

SOCL 4001, 4003. Independent Study in Sociology
From: 9 hours of sociology including SOCL 1133 and consent of instructor
To: 15 hours of sociology or consent of instructor

SOCL 4133. Racial and Ethnic Relations
From: SOCL 1133, 2233, or consent of instructor
To: 6 hours of sociology or consent of instructor

SOCL 4233. Gender in Society
From: SOCL 1133 and 2233
To: 9 hours of sociology or consent of instructor

SOCL 4803. Applied Sociology
From: 9 hours of sociology or consent of instructor
To: 15 hours of sociology or consent of instructor

Change of Course Prerequisite and Course Title, effective Fall 2013:

From: **SOCL 3783. Population and World Cultures**
Prerequisite: SOCL 1133, 2233, or consent of instructor
To: **SOCL 3783. Global Issues**
Prerequisite: 6 hours of sociology or consent of instructor

From: **SOCL 4353. The Sociology of Death and Dying**
Prerequisite: 9 hours of sociology or consent of instructor
To: **SOCL 4353. Aging, Death and Dying**
Prerequisite: 12 hours of sociology or consent of instructor

From: **SOCL 4413. Deviance**
Prerequisite: SOCL 1133, 2233, or consent of instructor
To: **SOCL 4413. Deviant Behavior**
Prerequisite: SOCL 1133 or consent of instructor

(Academic Council, October 2012)

Pages 320-322: Biology course changes:

New Course Additions, effective Spring 2014

BIOL 1103. Introduction to Biology
Description: This course presents basic biological concepts to students who are without a background in the biological sciences. The lecture component provides the student with knowledge and understanding in biological concepts including the Scientific Method, the Cell, Genetics, Evolution, the Origin of Life, Taxonomy and Systematics, Kingdoms of Living Organisms, and Ecology. The laboratory topics correspond to concepts taught in the lecture and provide students with an experience of experimental biology.
Lecture/Lab 3(2-2)
This course is not intended for Biology majors or minors.

BIOL 1133. Anatomy & Physiology I
Description: Structure and function of the human body. Anatomical terminology, cellular basis of life, tissues, the integumentary, skeletal, muscular, and nervous systems, including sense organs. Concurrent laboratory participation with animal dissection required.
Lecture/Lab 3(2-2)
This course is not intended for Biology majors or minors.

BIOL 1233. Anatomy and Physiology II
Prerequisites: BIOL 1133 or BIOL 1134 with a grade of C or better.
Description: Structure and function of the endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary, and reproductive systems of humans. Concurrent laboratory participation with animal dissection required.
Lecture/Lab 3(2-2)
This course is not intended for Biology majors or minors.

(Academic Council, June 2013)

Change of Course Prerequisite, effective Spring 2013:

BIOL 3054. Principles of Biology I
From: BIOL 1144 and 1544; one year general chemistry or concurrent enrollment
To: BIOL 1144 and 1544; CHEM 1243 or concurrent enrollment

BIOL 3064. Principles of Biology II
From: BIOL 3054
To: BIOL 3054 with a grade of C or better

BIOL 3334. Genetics
From: BIOL 3054
To: BIOL 3064

(Academic Council, October 2012)

Page 324: Science course changes:

New Course Addition, effective Spring 2014

SCIE 2103. Understanding Science, Engineering, & Technology
Description: An introduction to research methods in the sciences and engineering. This course provides students the opportunity to create, inquire, discover, and conduct research in the fields of Biology, Chemistry, Computer Science, Engineering, Environmental Science, and the

Geosciences with faculty support and supervision. The course employs activity-based, guided-discovery methods to investigate various aspects of science and technology.
Lecture/Lab 3(1-3)
(Academic Council, June 2013)

Change of Course Prefix and Course Title, effective Fall 2013:
From: **SCIE 4900. Research Orientation**
To: **UGRO 4900. Undergraduate Research Opportunity and Summer Workshop (UGROW)**
(Academic Council, October 2012)

Pages 325-327: Addition of Option C in Chemistry Major, effective Fall 2013:

C. Biochemistry option.

This program provides the academic foundation for students to continue their studies in the field of biochemistry at the level of graduate biochemistry or graduate biology. Students will also be able to matriculate into the Research and Development areas of industry and areas of forensic science.

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, ACS Certification
CHEM 1141, 1143, 1241, 1243, 1253, 2001, 2003, 2011, 2013, 3305, 3405, 3603, 3705, 4243, 4305, two hours of 4001, ~~**MATH 2603 (Math for Thermodynamics)**~~**. Three additional advanced hours in chemistry, exclusive of 3504 and 4505.** One additional advanced laboratory hour in chemistry is required, exclusive of 3504 and 4505. (Those students who wish to continue their studies in graduate biochemistry should take CHEM 4242 and 4253.)

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 4 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, ~~**MATH 2603 (Math for Thermodynamics)**~~**, and either CHEM 3405 or 4242 and 4243 or 3705 or 3504 and 4505.**

Option C

CHEM 1141, 1143, 1241, 1243, 2003, 2001, 2013, 2011, 4243, 4242, 4253, two hours of 4001, 2 classes from the following (CHEM 3305, 3405, 3603, 3705, 4133, 4305), and 2 classes from the following (BIOL 3044, 3334, 3434, 4233 and 4231, 4023 and 4021, 4714).

Optional Minor

Option A

Professional Chemistry or Prechemical Engineering:

Mathematics (See page 346 and the Chemistry Program Advisor for specific course requirements.) OR
Physics (see page 334 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 319 and the Chemistry Program Advisor for specific course requirements.)**~~

Option B

Pre-Medical, Pre-Dental or Pre-Veterinary - Biology (See page 319 and the Health Professions Advisor for specific course requirements.); OR
Business Emphasis - Business Administration (See page 108.); OR
Computer Science Emphasis - Computer Science (See page 337.)
Others (See your academic advisor.)

Option C

Biology – (See page 319 and the Health Professions Advisor for specific course requirements.)
Others – (See your academic advisor.)

Additional Requirements:

Requirements common to ~~**both**~~ **all** optional degree plans:

~~**MATH 1233 and 1433 or MATH 1534; MATH 1634 and 1734; MATH 2603; PHYS 1624 and 2644; and one year of a foreign language. (MATH 2603 – Math for Thermodynamics must be completed in the spring before Physical Chemistry I.)**~~
Math 1634, 1734, STAT 3573, PHYS 1624, 2644, one year of a foreign language

Option A

MATH 2603, MATH 2534

Option B

~~**See the Health Professions Advisor for additional Pre-Veterinary medical requirements.**~~
MATH 2603, See Advisor for additional requirements

Option C

BIOL 1144, 1544, 3054, 3064

Electives

~~**Additional hours to total a minimum of 122 (including exercise physiology requirements).**~~
Additional hours as needed to total a minimum of 120 hours with a minimum of 33 advanced.

(Academic Council, September 2012)

Page 332-333: Geosciences changes:

New Course Addition, effective Fall 2013:

GEOS 4134. Applied Petroleum Geology

Prerequisites: GEOS 3234 or GEOS 4534 or approval of instructor. GEOS 4034 is recommended but not required.

Description: Using the reservoir lifecycle as a unifying theme, this course focuses on practical reservoir characterization, geological modeling, and dynamic forecasting for oil and gas reservoirs. Major topics are (1) interpretation and integration of reservoir data obtained from well logs, cores, reservoir fluids, and seismic data and (2) building and using geological reservoir models to assess hydrocarbon in place volumes within a probabilistic framework. Students will also learn how to use essential basic reservoir engineering concepts and tools, how to calculate reserves, how to use decision analysis for value of information (VOI) and economic decisions, what a reservoir development plan includes, and what are the widely used reservoir monitoring techniques.

Lecture and Lab 4(3-3)

(Academic Council, March 2013)

New Course Additions, effective Spring 2014:

GEOS 3424. Geology of the Solar System

Prerequisites: GEOS 1134 or the approval of the instructor. GEOS 3234 is recommended but not required.

Description: This class features comparative geology of the terrestrial (Mars, Mercury, Venus, and Earth) and jovian planets (Jupiter, Saturn, Uranus, Neptune) and their associated moons. The class emphasizes the development of the solar system and how the geological observations we make today inform us of the past. Additional topics include: sedimentary rocks on Mars, impact cratering, volcanism, tectonism, geomorphology, remote sensing, and unmanned space exploration.

Lecture and Lab 4(3-3)

GEOS 3533. Solid Earth and Exploration Geophysics

Prerequisites: GEOS 1134 and either PHYS 1244 or PHYS 2644; or consent of instructor

Description: The course provides a thorough introduction to solid Earth geophysics and exploration geophysics. Includes the theory and application of various geophysical methods including seismic, gravity, electrical, and magnetic methods to understanding the shallow and deep structure of the Earth and integration of geophysical data with laboratory data including high pressures and high temperature mineralogical studies. The practical application of geophysical techniques to oil and gas exploration, mineral deposit exploration, and environmental assessment are also presented. Laboratory sessions focus on data acquisition planning, processing and particularly on practical interpretation of geophysical data for resource and environmental assessment. Course may include a half or full day field trip to gather a geophysical data set for processing and interpretation.

Lecture and Lab 3(3-1)

GEOS 4533. Economic Geology

Prerequisites: GEOS 3234 and either CHEM 1143 or CHEM 1243 or approval of the instructor

Description: This course provides a thorough introduction to the main sub-fields of economic geology: metallic and non-metallic ore deposits, petroleum geology, coal geology, and building materials geology. Specific types of metallic and non-metallic ore deposits covered include porphyry-type copper deposits, hydrothermal gold, and silver deposits, massive sulfide copper, zinc, and silver deposits, Mississippi Valley type lead and zinc deposits, sedimentary iron deposits, weathering-related aluminum and nickel deposits, gold, diamond, and other heavy mineral placer deposits, phosphate, and evaporate-mineral deposits. The course will cover the various techniques used to understand metallic and non-metallic ore forming processes as well as discuss the relationship between plate tectonics and the spatial and temporal occurrence of metallic and non-metallic ore deposits. Practical aspects of mining, mining economics, and ore deposit exploration and evaluation are also be included. The

course will provide an introduction to the formation of petroleum reservoirs and their exploitation, the formation of coal deposits and their exploitation, and the geology and exploitation of building materials such as sand, gravel, and quarried stone.
Lecture and Lab 3(2-2)

(Academic Council, September 2013)

Page 335: **Petroleum Engineering Certificate Program** (the five new courses below, plus GEOS 1134)

New Course Additions, effective Fall 2013:

PETE 2103. Introduction to Petroleum Engineering
Prerequisites: none
Description: Petroleum origin and migration, major oil and gas fields, drilling and production methods, petroleum composition and phase behavior, and reservoir engineering methods for estimation of hydrocarbon reserves and for maximizing ultimate resource recovery. Major oil onshore and offshore areas of the world reviewed from the standpoints of geologic and depositional environment, and of digenetic changes affecting petroleum entrapment.
Lecture 3(3-0)

PETE 2123. Fluid Properties
Prerequisites: CHEM 1141/1143, MATH 1634
Description: Phase behavior and PVT properties of dry, wet and retrograde condensate natural gases, as well as volatile and black oils; fluid property estimates using correlations; flash and differential vaporization; introduction to gas-liquid equilibriums; properties of oil field water; gas hydrates and their prevention.
Lecture 3(3-0)

PETE 2213. Rock Properties
Prerequisites: GEOS 1134, MATH 1634
Description: Fundamental properties of petroleum reservoir rocks: porosity, permeability, electrical and mechanical properties. Fluid flow characteristics of rock containing multiple fluid saturations: relative permeability and capillary pressure.
Lecture 3(3-0)

PETE 4203. Formation Evaluation and Reservoir Engineering
Prerequisite: PETE 2103
Description: Characterization of formations with geologic and petrographic examination, analysis of fluid contents of cores, and well logs measurements and their combined interpretation. Fundamentals of fluid flow through subsurface porous media, and reservoir drive mechanisms.
Lecture 3(3-0)

PETE 4273. Petroleum Production Operations
Prerequisite: PETE 2103
Description: Properties of oil and gas; classification of crude oil and natural gas; definition of gas-oil ratio (GOR); productivity index; formation volume factor; production systems; fluid flow and pressure distribution around a well; well completions; types of completion equipment; well drilling and perforating systems; petroleum production methods; natural flow and artificial lift systems; surface analysis of lift system performance; work-over techniques and well stimulation; sand control techniques; surface operations; valves; safety systems; flow lines; gathering systems; separation and treatment of well fluids; fluid measurement for sales transactions; transportation of oil and gas; principles of petroleum economics.
Lecture 3(3-0)

(Academic Council, March 2013)

Pages 335-336: Physics changes:

MSU authorized to participate in the Texas Physics Consortium (TPC) to provide a joint B.S. Physics degree to students at Midwestern State University.
(Board of Regents, May 2013)

Change of Course Titles and Course Descriptions, effective Fall 2013:

From: **PHYS 3313. Mechanics**
A mathematical treatment of classical mechanics. Topics include vector analysis, electrostatics, methods for solving Laplace's and Poisson's Equations, electric and magnetic fields in matter, and electrodynamics.
To: **PHYS 3313. Mechanics I**
A mathematical treatment of the fundamentals of classical mechanics. Topics include particle dynamics in one, two, and three dimensions; conservation laws; dynamics of a system of particles; motion of rigid bodies; central force problems; accelerating coordinate systems; gravitation; Lagrange's equations and Hamilton's equations.

From: **PHYS 3323. Electromagnetic Field Theory I**
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
To: **PHYS 3323. Electromagnetic Field Theory**
A mathematical treatment of the fundamentals of electromagnetic theory. Topics include electrostatics, Laplace's Equation; the theory of dielectrics; magneto statics; electromagnetic induction; magnetic fields of currents; Maxwell's equations.

From: **PHYS 4303. Mathematical Methods of Physics**
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.
To: **PHYS 4303. Mathematical Methods for Physicists and Engineers**
Mathematical techniques from the following areas: infinite series; integral transforming; applications of complex variables; vectors, matrices, and tensors; special functions; partial differential equations; Green's functions; perturbation theory; integral equations; calculus of variations; and groups and group representatives.

New Course Additions, effective Fall 2013:

PHYS 4373. Nuclear Physics
Prerequisite: PHYS 3343
Description: The study of nuclear phenomena and properties including mass, stability, magnetic moment, radioactive decay processes and nuclear reactions. The application of nuclear principles to other fields such as astronomy, engineering, manufacturing, and medicine.
Lecture 3(3-0)

PHYS 4403. Physics Advanced Lab
Prerequisite: PHYS 3343
Description: A laboratory course focusing on advanced techniques and experiments drawn from the full range of physics classes. The student will understand the role of experimental design, advanced

data analysis and reduction, error analysis, and the use of computers while investigating physical phenomena.
Lab 3(2-3)

PHYS 4611. Physics Research Seminar
Prerequisite: PHYS 3343
Description: Literature survey and preparation for, and initiation of, a research project agreed to between the student and faculty advisor, to be completed and reported on in the Research Seminar course.
Lab 1(1-2)

PHYS 4621. Physics Research Seminar
Prerequisite: PHYS 4611
Description: An experimental or theoretical project will be continued by the student and results reported in a seminar. Students who have not yet taken the ETS major field test in physics are required to do so while enrolled in Seminar.
Lab 1(1-2)

PHYS 4943. Advanced Physics Topics
Prerequisite: Permission of the Chair
Description: Elective course in an advanced topic of physics, which will vary.

(Academic Council, February 2013)

Pages 336-337: Clinical Laboratory Science changes, effective Spring 2013

In order to save the Clinical Laboratory Science (CLS) program from closure due to its low graduation rate, changes have been proposed which were approved by the Texas Higher Education Coordinating Board (THECB). This document is intended to summarize the changes included in the plan for consideration by the relevant evaluative bodies at MSU. Modifications to the core curriculum that are under development have not been incorporated into this plan.

1. Through participation in the CLS program students are prepared to participate in a year of hospital-based clinical training after which they receive the B.S. in Clinical Laboratory Science and are eligible to take the National Certification examination for Medical Technologists. The CLS program has historically been a special academic program, independent of the Department of Biology, and with a separate Academic Foundations (Core) curriculum.

Change: The CLS program will become part of the Department of Biology. Specifically, a B.S. with a major in Biology with a fifth curricular option, Option E, will be added to guide students through courses in preparation for a year of clinical training. Course changes will be necessary to align the CLS curriculum with the other biology options.

Previous Courses: 18 SCH		
Core Electives – 18 SCH from Fine Arts, Speech, Humanities, Economics, Social/Behavioral Sciences, Exercise Physiology		

Proposed Courses: 19 SCH		
Specified Core -	Language 1134	4
	Language 1234	4
	Fine Arts	3
	ECON 1333/2333	3
	PSYC/SOCL	3
	EXPH	2

BIOL courses

BIOL 1134/1234 Anatomy and Physiology I & II	*Deleted*		
BIOL elective courses	*Eliminated*		
	Specified -	BIOL 1144	4
		BIOL 1544	4
		BIOL 3054	4
		BIOL 3064	4
		BIOL 3334	4
		BIOL 4001	1

Clinical Training

41 SCH applied for accredited hospital -based clinical training	27 SCH applied for hospital -based clinical training

2. Due to limitations in the number of hospital training positions, some of our students have been unable to receive clinical training in a timely manner. As an alternative, some of these students have chosen to take courses toward a B.S. with a major in Biology during their fourth year. Since the CLS curriculum has not historically been aligned with the Biology curricular options, completion of the Biology degree in one year has been awkward.

Change: In addition to the creation of a "3+ 1" curricular option leading to a year of clinical training (Option El) a second "4+ 1" track is proposed that would allow a student to choose a B.S. with a major in Biology with the intention of pursuing clinical training and eventual certification following graduation (Option E2). This proposed curriculum would align very closely with other Biology optional curricula while incorporating courses specifically required by the CLS program. The E2 curriculum would differ from the E1 curriculum by requiring BIOL 4021 Immunology Laboratory and MATH 1534 Precalculus as well as a fourth year of courses including PHYS 1144/1244 and 14 SCH selected from the following:

BIOL 3144 Physiology	CHEM 2013/1 Organic Chemistry I/Lab
BIOL 3234 Comparative Vertebrate Anatomy	CHEM 3405 Analytical Chemistry
BIOL 3534 Systematic Botany	CHEM 4243/2 Biochemistry I/Lab
BIOL 3644 Invertebrate Zoology	CHEM 4253 Biochemistry II
BIOL 4444 Histology	
BIOL 4524 Parasitology	

(Academic Council, October 2012)

Pages 338-339: Computer Science changes:

Minor requirements, effective Spring 2013:

From: Minor in Computer Science – 26 hours

The requirements for a minor in Computer Science are Computer Science 1044, 1063, 2084, 2143, 2433, 3013, 6 hours of computer science electives (3 advanced).

To: Minor in Computer Science – **22 hours**

The requirements for a minor in Computer Science are Computer Science 1044, 1063, 2143, 2433, 3013, 6 hours of computer science electives (3 advanced).

Course deletions, effective Summer 2013:

CMPS 1053. Computer Science II

CMPS 1063 will be considered equivalent for substitution for deleted CMPS 1053

CMPS 2133. Data Structures

CMPS 2433 will be equivalent substitute for deleted course CMPS 2133

(Academic Council, February 2013)

Page 346 & 348: Mathematics changes:

Under Program Requirements, Additional Requirements:

CMPS 1053 should be changed to CMPS 1063.

(Academic Council, February 2013, CMPS course change impacted this requirement)

Course deletion, effective Fall 2013:

MATH 2333. Discrete Mathematical Structures

(Academic Council, March 2013)

Page 352: Mechanical Engineering changes:

Change heading of "Program Outcomes" to "Student Outcomes" and change introduction paragraph:
From: The outcomes of the Mechanical Engineering Program include those established by ABET and additional outcomes that are specific to mechanical engineering.
To: The outcomes of the Mechanical Engineering Program include those established by the Engineering Accreditation Commission of ABET, http://www.abet.org/ and additional outcomes that are specific to mechanical engineering.
(per Dr. Lynn Little, May 30, 2014, based on accreditation information change)

Pages 353-355: Mechanical Engineering changes:

Major requirement, effective Fall 2013:

From: 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.
To: The student must achieve an overall cumulative GPA of at least 2.3.

New Course Addition, effective Spring 2013 (course not offered until Summer 2013):

MENG 2003. Independent Study
Description: Directed, intensive study in a mechanical engineering subject specified by the instructor.

Change of Lecture/Lab Hours, effective Fall 2013:

MENG 3104. Fluid Mechanics
From: 4(3-3)
To: 4(3-2)

MENG 3114. Materials Science
From: 4(3-3)
To: 4(3-2)

MENG 3123. Measurement & Instrumentation
From: 3(2-3)
To: 3(2-2)

MENG 3234. Heat Transfer
From: 4(3-3)
To: 4(3-2)

MENG 3243. Computer Aided Engineering
From: 3(2-3
To: 3(2-2)

MENG 4134. Dynamics of Machines
From: 4(3-3)
To: 4(3-2)

(Academic Council, October 2012)