

# Academic Council Minutes Midwestern State University July 2015

The Academic Council did not meet on July 15, 2015. The agenda was distributed to all members of the Council. A majority of the voting members voted electronically to adopt the following agenda items:

Voting members were:

- Dr. Martin Camacho, Dean, Lamar D. Fain College of Fine Arts
- Dr. Matthew Capps, Dean, McAda Graduate School
- Dr. Rodney Cate, Interim Dean, College of Science and Mathematics
- Dr. Laura Fidelie, Faculty Senate Vice-Chair
- Dr. James Johnston, Dean, Gunn College of Health Sciences and Human Services
- Dr. Michaelle Kitchen, Interim Dean, West College of Education
- Dr. Terry Patton, Dean, Dillard College of Business Administration
- Ms. Roylyka Roache, Student Government Association Vice President
- Dr. Sam Watson, Dean, Prothro-Yeager College of Humanities and Social Sciences

Non-voting members

- Ms. Naoma Clark, Director, Academic Support Center
- Ms. Darla English, Registrar
- Ms. Linda Knox, Assistant Registrar
- Dr. Clara Latham, University Librarian
- Ms. Julian Lehman-Felts, Coordinator, Honors Program
- Mr. Matthew Park, Associate Vice President for Student Affairs and Dean of Students
- Ms. Leah Vineyard, Interim Director of Admissions
- Dr. Larry Williams, Director, International Programs
- Mr. Newman Wong, Staff Senate Representative

## **New Business**

1. A majority of the voting members voted electronically to adopt the following undergraduate course and catalog changes. (*closed*)

## **Biology**

- Change of Course Prerequisite, effective fall 2015
- BIOL 2144. Microbiology
- Prerequisites: BIOL 1133, 1233 or BIOL 1134, 1234; CHEM 1303

Undergraduate Catalog Changes, effective fall 2015

The requirements for the degree of Bachelor of Science with a major in biology may be satisfied in any of five areas of emphasis.

~~Molecular-cellular option~~

~~Organismal option~~

~~Pre-Professional I (pre-medicine, pre-dentistry, pre-veterinary) option~~

~~Pre-Professional II (pre-physical therapy) option~~

Clinical Laboratory Science

**A. Molecular-cellular option**

**B. Organismal option**

**C-1. Pre-medical option**

**C-2. Pre-veterinary option**

**C-3. Pre-dental option**

**C-4. Pre-pharmacy option**

**D. Pre-physical therapy option**

**E-1. Clinical Laboratory Science (3+1)**

**E-2. Clinical Laboratory Science (4+1)**

General

(See General Requirements for all Bachelor's Degrees)

Academic Foundations and Core Curriculum - 42 semester hours

(See Academic Foundations and Core Curriculum - 42 semester hours)

Major

Option A - 37 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 3334 - Genetics 4

BIOL 4001 - Seminar in Biology 1

BIOL 4714 - Cell Biology 4

or

BIOL 4231 - Molecular Biology Laboratory 1 and

BIOL 4233 - Molecular Biology 3

**Advanced Courses in Botany and Zoology - 6 hours**

Three advanced hours in both botany and zoology (see Advanced Courses in Botany and Zoology list below.) *[This sentence should clarify the above bold statement – it is separated from it by the line.]*

Additional Advanced Courses - 6 hours

Option B - 49-50 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 3113 - Biogeography 3 or  
BIOL 3044 - Bacteriology 4

BIOL 3334 - Genetics 4  
BIOL 4001 - Seminar in Biology 1  
BIOL 4143 - Evolution and Systematics 3  
BIOL 4684 - Ecology 4

**Advanced Courses in Botany and Zoology - 6 hours**

Three advanced hours in both botany and zoology (see Advanced Courses in Botany and Zoology list below.) *[This sentence should clarify the above bold statement – it is separated from it by the line.]*

Additional Advanced Courses - 12 hours

Option C-1 **Pre-Medical** - ~~33-41~~ **37** 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 - Physiology 4  
BIOL 3234 - Comparative Anatomy of the Vertebrates 4  
BIOL 3334 - Genetics 4  
BIOL 4001 - Seminar in Biology 1

Additional Advanced Courses - ~~16~~ **8** hours

**Option C-2 Pre-Veterinary - 37 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 - Physiology 4**  
**BIOL 3234 - Comparative Anatomy of the Vertebrates 4**  
**BIOL 3334 - Genetics 4**  
**BIOL 4001 - Seminar in Biology 1**

Additional Advanced Courses - **8** hours

**Option C-3 Pre-Dental - 37 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 - Physiology 4**  
**BIOL 3234 - Comparative Anatomy of the Vertebrates 4**  
**BIOL 3334 - Genetics 4**  
**BIOL 4001 - Seminar in Biology 1**

**Additional Advanced Courses - 8 hours**

**Option C-4 Pre-Pharmacy - 33 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 - Physiology 4**  
**BIOL 3334 - Genetics 4**  
**BIOL 4001 - Seminar in Biology 1**

**Additional Advanced Courses - 8 hours**

**Option D – Pre-Physical Therapy 38 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 - Physiology 4**  
**BIOL 3234 - Comparative Anatomy of the Vertebrates 4**  
**BIOL 3334 - Genetics 4**  
**BIOL 4001 - Seminar in Biology 1**

**Advanced Courses in Botany and Zoology - 6 hours**

Three advanced hours in both botany and zoology (see Advanced Courses in Botany and Zoology list below.) [*This sentence should clarify the above bold statement – it is separated from it by the line.*]

**Additional Advanced Courses - 3 hours**

**Option E1 - 27 28 hours**

**BIOL 1144 - General Zoology 4**  
**BIOL 1544 - General Botany 4**  
**BIOL 3003 - Introduction to Clinical Laboratory Science 3**  
**BIOL 3054 - Principles of Biology I 4**  
**BIOL 3064 - Principles of Biology II 4**

BIOL 3334 - Genetics 4  
BIOL 4001 - Seminar in Biology 1  
**BIOL 4021 – Immunology Laboratory** 1  
BIOL 4023 - Immunology 3

Option E2 - 28 hours

BIOL 1144 - General Zoology 4  
BIOL 1544 - General Botany 4  
BIOL 3003 - Introduction to Clinical Laboratory Science 3  
BIOL 3054 - Principles of Biology I 4  
BIOL 3064 - Principles of Biology II 4  
BIOL 3334 - Genetics 4  
BIOL 4001 - Seminar in Biology 1  
BIOL 4021 - Immunology Laboratory 1  
BIOL 4023 - Immunology 3

Advanced Courses in Botany and Zoology

Advanced Botany

BIOL 3534 - Systematic Botany 4  
BIOL 4463 - Plant Anatomy 3  
BIOL 4564 - Plant Physiology 4

Advanced Zoology

BIOL 3024 - Vertebrate Zoology 4  
BIOL 3033 - Field Zoology 3  
BIOL 3234 - Comparative Anatomy of the Vertebrates 4  
BIOL 3344 - Developmental Biology 4  
BIOL 3434 - Entomology 4  
BIOL 3644 - Invertebrate Zoology 4  
BIOL 4033 - Herpetology 3  
BIOL 4524 - Animal Parasitology 4

Program Requirements  
 (see Options, above)

Option A

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CHEM 1141 - General Chemistry Laboratory 1  
CHEM 1143 - General Chemistry 3  
CHEM 1241 - General Chemistry Laboratory 1  
CHEM 1243 - General Chemistry 3  
CHEM 2001 - Organic Chemistry Laboratory 1  
CHEM 2003 - Organic Chemistry 3  
CHEM 2011 - Organic Chemistry Laboratory 1  
CHEM 2013 - Organic Chemistry 3

CHEM 3603 - Physical Chemistry I 3

CHEM 4243 - Biochemistry 3

CHEM 4253 - Biochemistry 3

OR

STAT 3573 - Probability and Statistics 3

CMPS 1013 - Computer Concepts and Applications 3

OR

CMPS 1023 - Computing for Science Majors 3

~~MATH 1634 - Calculus I~~ 4 [*This requirement should be in the core*]

MATH 1734 - Calculus II 4

MATH 2534 - Calculus III 4

**MATH 2603 - Math for Thermodynamics** 3

PHYS 1624 - Mechanics, Wave Motion, and Heat 4

PHYS 2644 - Electricity and Magnetism and Optics 4

Option B

CHEM 1141 - General Chemistry Laboratory 1

CHEM 1143 - General Chemistry 3

CHEM 1241 - General Chemistry Laboratory 1

CHEM 1243 - General Chemistry 3

CHEM 2001 - Organic Chemistry Laboratory 1

CHEM 2003 - Organic Chemistry 3

CMPS 1013 - Computer Concepts and Applications 3

OR

CMPS 1023 - Computing for Science Majors 3

GEOS 1234 - Historical Geology 4

MATH 1433 - Plane Trigonometry 3

OR

MATH 1534 - Precalculus 4

PHYS 1144 - General Physics 4

PHYS 1244 - General Physics 4

STAT 3573 - Probability and Statistics 3

OR

PSYC 3314 - Statistics for the Social and Behavioral Sciences 4

Option C-1

CHEM 1141 - General Chemistry Laboratory 1

CHEM 1143 - General Chemistry 3

CHEM 1241 - General Chemistry Laboratory 1  
CHEM 1243 - General Chemistry 3  
CHEM 2001 - Organic Chemistry Laboratory 1  
CHEM 2003 - Organic Chemistry 3  
CHEM 2011 - Organic Chemistry Laboratory 1  
CHEM 2013 - Organic Chemistry 3  
CHEM 4243 - Biochemistry 3  
CHEM 4253 - Biochemistry 3

CMPS 1013 - Computer Concepts and Applications 3  
 OR  
CMPS 1023 - Computing for Science Majors 3

MATH 1433 - Plane Trigonometry 3  
 OR  
MATH 1534 - Precalculus 4

**MATH 1634 - Calculus I**  
PHYS 1144 - General Physics 4  
PHYS 1244 - General Physics 4  
**SOCL 1133 – Introductory Sociology**  
STAT 3573 - Probability and Statistics 3

### **Option C-2**

**BIOL 2144 - Microbiology**  
CHEM 1141 - General Chemistry Laboratory 1  
CHEM 1143 - General Chemistry 3  
CHEM 1241 - General Chemistry Laboratory 1  
CHEM 1243 - General Chemistry 3  
CHEM 2001 - Organic Chemistry Laboratory 1  
CHEM 2003 - Organic Chemistry 3  
CHEM 2011 - Organic Chemistry Laboratory 1  
CHEM 2013 - Organic Chemistry 3  
CHEM 4243 - Biochemistry 3  
CHEM 4253 - Biochemistry 3  
**ENGL 3203 – Technical Writing**

MATH 1433 - Plane Trigonometry 3  
 OR  
MATH 1534 - Precalculus 4

PHYS 1144 - General Physics 4  
PHYS 1244 - General Physics 4  
**SPCH 1133 – Fundamentals of Speech Communication**  
STAT 3573 - Probability and Statistics 3

### **Option C-3**

BIOL 2144 - Microbiology  
CHEM 1141 - General Chemistry Laboratory 1  
CHEM 1143 - General Chemistry 3  
CHEM 1241 - General Chemistry Laboratory 1  
CHEM 1243 - General Chemistry 3  
CHEM 2001 - Organic Chemistry Laboratory 1  
CHEM 2003 - Organic Chemistry 3  
CHEM 2011 - Organic Chemistry Laboratory 1  
CHEM 2013 - Organic Chemistry 3  
CHEM 4243 - Biochemistry 3  
CHEM 4253 - Biochemistry 3

CMPS 1013 - Computer Concepts and Applications 3  
OR  
CMPS 1023 - Computing for Science Majors 3

MATH 1433 - Plane Trigonometry 3  
OR  
MATH 1534 - Precalculus 4

MATH 1634 - Calculus I  
PHYS 1144 - General Physics 4  
PHYS 1244 - General Physics 4  
STAT 3573 - Probability and Statistics 3

Option C-4

BIOL 2144 - Microbiology  
CHEM 1141 - General Chemistry Laboratory 1  
CHEM 1143 - General Chemistry 3  
CHEM 1241 - General Chemistry Laboratory 1  
CHEM 1243 - General Chemistry 3  
CHEM 2001 - Organic Chemistry Laboratory 1  
CHEM 2003 - Organic Chemistry 3  
CHEM 2011 - Organic Chemistry Laboratory 1  
CHEM 2013 - Organic Chemistry 3  
CHEM 4243 - Biochemistry 3  
CHEM 4253 - Biochemistry 3

CMPS 1013 - Computer Concepts and Applications 3  
OR  
CMPS 1023 - Computing for Science Majors 3

ECON 1333 – General Economics  
OR  
ECON 2333 - Macroeconomics



**MATH 1433 - Plane Trigonometry 3**

**OR**

**MATH 1534 - Precalculus 4**

**MATH 1634 - Calculus I**

**PHYS 1144 - General Physics 4**

**SPCH 1133 – Fundamentals of Speech Communication 3**

**STAT 3573 - Probability and Statistics 3**

Option D

ATRN 2433 - Medical Terminology 3

CHEM 1141 - General Chemistry Laboratory 1

CHEM 1143 - General Chemistry 3

CHEM 1241 - General Chemistry Laboratory 1

CHEM 1243 - General Chemistry 3

CHEM 2001 - Organic Chemistry Laboratory 1

CHEM 2003 - Organic Chemistry 3

ENGL 3203 - Technical Writing 3

MATH 1433 - Plane Trigonometry 3

**OR**

MATH 1534 - Precalculus 4

PHYS 1144 - General Physics 4

PHYS 1244 - General Physics 4

STAT 3573 - Probability and Statistics 3

**OR**

PSYC 3314 - Statistics for the Social and Behavioral Sciences 4

PSYC 2203 - Human Behavior 3

PSYC 3233 - Developmental Psychology 3

PSYC 3603 - Abnormal Psychology 3

Option E1

BIOL 2144 - Microbiology 4

CHEM 1141 - General Chemistry Laboratory 1

CHEM 1143 - General Chemistry 3

CHEM 1241 - General Chemistry Laboratory 1

CHEM 1243 - General Chemistry 3

CHEM 2001 - Organic Chemistry Laboratory 1

CHEM 2003 - Organic Chemistry 3

CHEM 3305 - Analytical Chemistry I-5

**CHEM 2011 - Organic Chemistry Laboratory 1**

**CHEM 2013 - Organic Chemistry 3**

**CHEM 4243 - Biochemistry**

CMPS 1013 - Computer Concepts and Applications 3

OR

CMPS 1023 - Computing for Science Majors 3

STAT 3573 - Probability and Statistics 3

Hospital- or University-based Practicum

Option E2

BIOL 2144 - Microbiology 4

CHEM 1141 - General Chemistry Laboratory 1

CHEM 1143 - General Chemistry 3

CHEM 1241 - General Chemistry Laboratory 1

CHEM 1243 - General Chemistry 3

CHEM 2001 - Organic Chemistry Laboratory 1

CHEM 2003 - Organic Chemistry 3

~~CHEM 3305 - Analytical Chemistry I 5~~

**CHEM 2011 - Organic Chemistry Laboratory 1**

**CHEM 2013 - Organic Chemistry 3**

CMPS 1013 - Computer Concepts and Applications 3

OR

CMPS 1023 - Computing for Science Majors 3

MATH 1433 - Plane Trigonometry 3

OR

MATH 1534 - Precalculus 4

PHYS 1144 - General Physics 4

PHYS 1244 - General Physics 4

STAT 3573 - Probability and Statistics 3

18 additional hours from approved BIOL and CHEM electives:

BIOL 3144 - Physiology 4

BIOL 3234 - Comparative Anatomy of the Vertebrates 4

BIOL 3534 - Systematic Botany 4

BIOL 3644 - Invertebrate Zoology 4

BIOL 4444 - Histology 4

BIOL 4524 - Animal Parasitology 4

~~CHEM 2011 - Organic Chemistry Laboratory 1~~

and

~~CHEM 2013 - Organic Chemistry 3~~

**CHEM 3305 - Analytical Chemistry I 5**

CHEM 3405 - Analytical Chemistry II 5

CHEM 4242 - Biochemistry Laboratory 2

CHEM 4243 - Biochemistry 3

CHEM 4253 - Biochemistry 3

2. Dr. Watson presented information on the updated AP/CLEP/IB policy. (*no vote required*)

Last year the Academic Council voted to update the AP/CLEP/IB policy to reflect that the ENGL 1113 equivalents would be updated to reflect ENGL 1103. Since the core was changed and approved by the Texas Higher Education Coordinating Board, the policy needs to be updated adding ENGL 1143/1153.

### **AP**

English Literature

ENGL1143

English Language

ENGL1143 or sophomore literature elective

### **CLEP**

College Composition Modular ENGL1143

### **IB**

English (higher level exam)

ENGL1143 and ENGL1153

For your information: There is a bill before the Texas Legislature (HB1992) regarding the scores required on an AP exam. (*per Barbara Lunce 7/14/15: approved by the Legislature and signed into effect by the governor on 6/3/15*)

### **HB 1992**

This bill prohibits institutions of higher education from requiring a score of more than a 3 on an AP exam in granting course credit; unless the institution's chief academic officer determines based on evidence, that a higher score on the examination is necessary to indicate a student is sufficiently prepared to be successful in a related, more advanced course for which the lower-division course is a prerequisite. This bill will also require a study of performance of how students receive course credit by achieving scores on the exams. The bill, if passed, will apply to entering freshman students in fall 2016.