AREA A - ESSENTIAL SKILLS
9 hours

ESSENTIAL SKILLS & LEARNING OUTCOMES

Demonstrate the ability to:

- Recognize & identify appropriate topics for presentation in writing
- Synthesize & logically arrange written presentations
- Adapt written communication to specific purposes and audiences
- Utilize appropriate technologies for written presentations

- Recognize & identify principles of mathematics
- Apply principles of mathematics to problems in the discipline
- Apply principles of mathematics to “real world” circumstances

Section 1

**BOTH** English courses are required. You **must earn a C or higher in ENGL 1101 and ENGL 1102 to complete the requirement.**

<table>
<thead>
<tr>
<th>Semester Earned</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ENGL 1101 Basic Composition I (3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ENGL 1102 Basic Composition II (3)</td>
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</tr>
</tbody>
</table>

Section 2

Choose **ONE** math course from the appropriate group:

**Business Majors:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1111 College Algebra (3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 1113 Pre-calculus (4)</td>
<td></td>
</tr>
</tbody>
</table>

**Engineering Majors:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1634 Calculus I (4)</td>
<td></td>
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</tbody>
</table>

**Nursing Majors:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1111 College Algebra (3)</td>
<td></td>
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</tbody>
</table>

**Science, Science Education, Math, Computer Science Majors:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1113 Pre-calculus (4)</td>
<td></td>
</tr>
</tbody>
</table>

**All Other Majors:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1001 Quantitative Skills and Reasoning (3)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 1111 College Algebra (3)</td>
<td></td>
</tr>
</tbody>
</table>

**Recommended for Education Majors**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MATH 1113 Pre-calculus (4)</td>
<td></td>
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</tbody>
</table>

Prerequisite: Four years of high school math including algebra and trigonometry or consent of department.
AREA B - INSTITUTIONAL PRIORITIES

4 hours for Science Majors (includes Math)
5 hours for Non-Science Majors

ESSENTIAL SKILLS & LEARNING OUTCOMES

Demonstrate the ability to:

• Recognize & identify appropriate topics for oral presentations
• Synthesize & logically arrange oral presentations
• Adapt oral communication to specific purposes & audiences
• Utilize appropriate technologies for oral communication

Develop:

• Students better prepared for career demands in 21st Century
• Increased awareness of diverse sources of info & tradition
• Enhanced problem solving & critical thinking skills

Students may take any combination of courses as long as ONE is from SECTION 1 and the total number of hours is at least 4 hours for science majors and 5 hours for non-science majors.

Section 1

ONE course must be chosen from the following:

Semester Earned  
ART 2000 Oral Communication and the Visual Arts (3)  
COMM 1110 Public Speaking (3)  
ENGL 2000 American Speech (3)  
ENGL/THEA 2050 Self Staging: Oral Communication in Daily Life (3)  
PHIL 2110 Critical Thinking (3)  
XIDS 1004 Oral and Technological Communication (4)*

Any 3 credits of foreign language 1001, 1002 (3)

You must earn a C or higher at each level to continue on in the language sequence.

Section 2

ONE course may be chosen from the following:

ANTH 1100 Faces of Culture (2)  
BUSA 1900 Surfing the Internet for Success (2)*  
CS 1000 Practical Computing (1)*  
CS 1020 Computers & Society (2)*  
LIBR 1101 Academic Research & the Library (2)  
MUSC 1110 Survey of World Music (2)*  
XIDS 2001 What Do You Really Know About (1) Topics in this course vary each semester.

XIDS 2002 What Do You Really Know About (2) Topics in this course vary each semester.

*Please note that not all courses in Area B are taught each semester.
AREA C – HUMANITIES AND FINE ARTS
6 hours

ESSENTIAL SKILLS & LEARNING OUTCOMES

- Develop the ability to recognize & identify achievements in literary, fine & performing arts
- Have an appreciation of the nature & achievements of the arts & humanities
- Develop the ability to apply, understand, and appreciate the application of aesthetics criteria to “real world” circumstances

Section 1
Choose ONE of the following:

Semester Earned

XIDS 2100 Arts and Ideas: Special Topics (3) * Topics in the is course vary each semester
ART 1201 Introduction to Art (3)
ART 2201 History of Western Art I (3)
ART 2202 History of Western Art II (3)
MUSC 1100 Music Appreciation (3)
MUSC 1120 Survey of Jazz, Rock, and Popular Music (3)
THEA 1100 Theatre Appreciation (3)

Section 2
Choose ONE of the following:

XIDS 2100 Arts & Ideas: Special Topics (3) * Topics in the is course vary each semester
COMM 1154 Introduction to Mass Communication (3)
ENGL 2110 World Literature (3) *
ENGL 2120 British Literature (3) *
ENGL 2130 American Literature (3) *
ENGL 2160 Philosophy and Literature (3) *
ENGL 2180 Studies in African-American Literature (3) *
ENGL 2190 Studies in Literature by Women (3) *
FORL 2200 Survey of National Literatures (3)
FORL 2300 Topics in National Literatures (3)
PHIL 2100 Introduction to Philosophy (3)
PHIL 2120 Introduction to Ethics (3)
Any 3 credits of foreign language 1001, 1002, 2001, 2002

You must earn a C or higher at each level to continue on in the language sequence.

*Before you register for these classes, you must successfully complete ENGL 1101 AND ENGL 1102.
XIDS 2100 is listed in both categories, but it may be counted only once.
**ESSENTIAL SKILLS & LEARNING OUTCOMES**

- Demonstrate an understanding of basic scientific concepts in a discipline or across disciplines
- Demonstrate an appreciation of the role of science & technology in everyday life
- Apply the scientific method in appropriate projects
- Demonstrate logical thinking & analytical reasoning in problem solving
- Collect & analyze data and formulate appropriate conclusions from data analysis
- Communicate scientific ideas

**OPTION I - NON-SCIENCE MAJORS**

**Section 1**

<table>
<thead>
<tr>
<th>Semester Earned</th>
<th>Course Title and Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ASTR 2313 Astronomy (3+1)*</td>
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<tr>
<td></td>
<td>BIOL 1010 Fundamentals of Biology (3+1)</td>
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<tr>
<td></td>
<td>BIOL 1011 Biology of Human Reproduction (3)</td>
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<tr>
<td></td>
<td>BIOL 1012 Ecology &amp; Environmental Biology (3)</td>
</tr>
<tr>
<td></td>
<td>BIOL 1013 Biology of AIDS &amp; Infectious Disease (3)</td>
</tr>
<tr>
<td></td>
<td>BIOL 1014 Nutrition (3)</td>
</tr>
<tr>
<td></td>
<td>BIOL 1015 Unseen World of Microorganisms (3)</td>
</tr>
</tbody>
</table>
|                 | BIOL 1107 Principles of Biology I (3+1) *
|                 | BIOL 1108 Principles of Biology II (3+1) *
|                 | CHEM 1100 Introductory Chemistry (3) |
|                 | CHEM 1151K Survey of Chemistry I (4) |
|                 | CHEM 1152K Survey of Chemistry II (4) |
|                 | CHEM 1211K Principles of Chemistry I (4) Pre-or Co-requisite: MATH 1113 |
|                 | CHEM 1212K Principles of Chemistry II (4) |
|                 | CHEM 1230K Accelerated General Chemistry (4) Co-requisite: MATH 1113 |
|                 | MATH 1111 College Algebra (3) |
|                 | MATH 1413 Survey of Calculus (3) Recommended for Business Majors Pre: MATH 1111 or 1113 w/ grade of C or higher |
|                 | MATH 1634 Calculus I (4) Pre: MATH 1113 w/ grade of C or higher |
|                 | MATH 2063 Introductory Statistics (3) Pre: MATH 1001 or 1111 w/ grade of C or higher |
|                 | XIDS 2201 Science Foundations (4) |
|                 | XIDS 2202 Environmental Studies (3) |

**Section 2**

Choose ONE from BELOW OR ABOVE as long as no more than two of three courses in Area D are from the same discipline. *Note: With some exceptions (Biology & Physics), a course listed as 3+1 can be taken without the lab component and used as a non-lab option.*

<table>
<thead>
<tr>
<th>Semester Earned</th>
<th>Course Title and Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CS 1030 Introduction to Computer Concepts (3)</td>
</tr>
<tr>
<td></td>
<td>CS 1300 Introduction to Computer Science (3)</td>
</tr>
<tr>
<td></td>
<td>CS 1301 Computer Science I (3) Prerequisite: MATH 1111 or 1113</td>
</tr>
<tr>
<td></td>
<td>CS 1302 Computer Science II (4)</td>
</tr>
<tr>
<td></td>
<td>CS 2000 Applied Computing for the Sciences (3) Pre: MATH 1113 or Depart. Consent w/ grade of C or higher</td>
</tr>
<tr>
<td></td>
<td>MATH 1111 College Algebra (3)</td>
</tr>
</tbody>
</table>
OPTION II - SCIENCE MAJORS*

Section 1
Choose any TWO lab science courses (in sequence) from the list below. Be sure to consult the Undergraduate Catalog for your degree program requirements and course prerequisites.

Semester Earned

_______ BIOL 1107 Principles of Biology I (3+1)
_______ BIOL 1108 Principles of Biology II (3+1)
_______ CHEM 1211 Principles of Chemistry I (4)
_______ CHEM 1212 Principles of Chemistry II (4)
_______ CHEM 1230K Accelerated Principles of Chemistry (4) – not an option for Computer Science Majors
_______ GEOG 1112 Weather and Climate (3 + 1) – not an option for Computer Science Majors
_______ GEOG 1113 Landform Geography (3 + 1) – not an option for Computer Science Majors
_______ GEOL 1121 Introductory Geosciences I: Physical Geology (3 + 1) – not an option for Computer Science Majors
_______ GEOL 1122 Introductory Geosciences II: Historical Geology (3 + 1) – not an option for Computer Science Majors
_______ PHYS 1111 Introductory Physics I (4) – not an option for Computer Science Majors
_______ PHYS 1112 Introductory Physics II (4) – not an option for Computer Science Majors
_______ PHYS 2211 Principles of Physics I (3+1)
_______ PHYS 2212 Principles of Physics II (3+1)

Section 2
Choose ONE from the list below. Be sure to consult the Undergraduate Catalog for your degree program requirements and course prerequisites.

_______ MATH 1634 Calculus I (4) – Recommended for Math, Computer Science, and most Science Majors
_______ MATH 2063 Applied Statistics (3)
_______ MATH 2644 Calculus II (4) – Recommended for Engineering Majors
_______ CS 2000 Applied Computing for the Sciences (3)

OPTION III - NURSING MAJORS

Section 1
Choose any TWO lab science courses (in sequence) from the list below.

Semester Earned

_______ BIOL 1107 Principles of Biology I (3 + 1)
_______ BIOL 1108 Principles of Biology II (3 + 1)
_______ CHEM 1151 Survey of Chemistry I (4)
_______ CHEM 1152 Survey of Chemistry II (4)
_______ CHEM 1211K (4)
_______ CHEM 1212K (4)
_______ PHYS 1111 Introductory Physics I (3 + 1)
_______ PHYS 1112 Introductory Physics II (3 + 1)

Section 2
MATH 2063 Applied Statistics (3)

*Mathematics is a science major.
AREA E – SOCIAL SCIENCES
12 hours

ESSENTIAL SKILLS & LEARNING OUTCOMES

• Demonstrate an understanding of the history & government of the State & Nation
• Demonstrate an appreciation for global and multicultural perspectives on societies & civilizations
• Understand & appreciate the application of the perspectives & methods of the human sciences to “real world” circumstances
• Recognize & identify achievements in the human sciences

Section 1
Choose ONE of the following:

__________
HIST 1111 Survey of World History/Civilization I (3)

__________
HIST 1112 Survey of World History/Civilization II (3)

Section 2
Choose ONE of the following:

__________
HIST 2111 United States History I (to 1865) (3)

__________
HIST 2112 United States History II (since 1865) (3)

Section 3

__________
POLS 1101 American Government (3) –Required for everyone

Section 4
Choose ONE of the following social science electives:

__________
ANTH 1102 Introduction to Anthropology (3)

__________
ECON 2100 Economics for Everyone (3)

__________
ECON 2105 Principles of Macroeconomics (3)
Prerequisite: 2.0 GPA

__________
ECON 2106 Principles of Microeconomics (3)
Prerequisite: 2.0 GPA

__________
GEOG 1013 World Geography (3)
Recommended for Early Childhood and Middle Grades Education Majors

__________
GEOG 2503 Cultural Geography (3)

__________
POLS 2201 State and Local Government (3)

__________
PSYC 1101 Introduction to General Psychology (3)

__________
SOCI 1101 Introduction to Sociology (3)

__________
SOCI 1160 Introduction to Social Problems (3)

__________
XIDS 2300 Interdisciplinary Studies in the Social Sciences (3)

__________
XIDS 2301 Introduction to Global Studies (3)

AREA F
Courses Applicable to Major
(18 hours)
Physical Education Requirements by College

The College of Arts and Sciences has no physical education requirement.  
The College of Business requires three hours of physical education.  
The College of Education requires three hours of physical education that must include one 2-hour Health and Wellness course and one 1-hour activity course.  
All students must satisfy the physical education requirements of the college from which they graduate.

Writing Across the Curriculum (for Arts and Sciences Majors only)

Students are required to take at least two 3000/4000 level W courses (courses approved as Writing Intensive courses and marked in the semester bulletin with a “W”) for a total of six hours. At least three hours must be in the Major.

ENGL 1101 and 1102 (or the equivalent of) are prerequisites to all “W” courses.

Majors

Some Majors may have specific core course requirements. Be sure to check the course requirements for your Major as well as seek advisement from a faculty member in that department prior to registering for classes.

Minors

Minors are offered in the following fields: Accounting, Africana Studies, American Studies, Anthropology, Art, Art History, Biology, Business Administration, Creative Writing, Management Information Systems, Chemistry, Computer Science, Criminology, Economics, English, Environmental Studies, Film, Finance, French, Geography, Geographic Information Systems, Geology, German, Global Studies, History, Latin American Studies, Literature, Management, Marketing, Mass Communication, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Real Estate, Religion, Sociology, Spanish, Technology Support Systems, Theatre, and Women’s Studies.

Revised May 2008