## Department of Medical & Clinical Laboratory Sciences

### AUM Courses

<table>
<thead>
<tr>
<th>AUM Courses</th>
<th>AL. College System Equivalents</th>
</tr>
</thead>
</table>

### AREA I: Written Composition (6SH) (SH= Semester Hours)

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1010 English Composition I</td>
<td>ENG 101</td>
</tr>
<tr>
<td>ENGL 1017 English Composition I, Honors</td>
<td>NO EQUIVALENT</td>
</tr>
<tr>
<td>ENGL 1020 English Composition II</td>
<td>ENG 102</td>
</tr>
<tr>
<td>ENGL 1027 English Composition II, Honors</td>
<td>NO EQUIVALENT</td>
</tr>
</tbody>
</table>

### AREA II: Humanities and Fine Arts (12 SH)

**Students must complete a 6SH sequence in Literature or History**

**Students must complete at least 3SH in Literature**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Equivalent</th>
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</thead>
<tbody>
<tr>
<td>ENGL 2530 Survey of English Literature I</td>
<td>ENG 261</td>
</tr>
<tr>
<td>ENGL 2540 Survey of English Literature II</td>
<td>ENG 262</td>
</tr>
<tr>
<td>ENGL 2570 Survey of American Literature I</td>
<td>ENG 251</td>
</tr>
<tr>
<td>ENGL 2580 Survey of American Literature II</td>
<td>ENG 252</td>
</tr>
<tr>
<td>ENGL 2600 Survey of Literature of the Western World I</td>
<td>ENG 271</td>
</tr>
<tr>
<td>ENGL 2610 Survey of Literature of the Western World II</td>
<td>ENG 272</td>
</tr>
</tbody>
</table>

**Students must complete a 3SH course in Fine Arts**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSI 2110 Music Appreciation</td>
<td>MUS 101</td>
</tr>
<tr>
<td>THEA 2040 Theatre Appreciation</td>
<td>THR 120, THR 126</td>
</tr>
<tr>
<td>VISU 1000 Art Appreciation</td>
<td>ART 100</td>
</tr>
<tr>
<td>VISU 2030 Art History I</td>
<td>ART 203</td>
</tr>
<tr>
<td>VISU 2040 Art History II</td>
<td>ART 204</td>
</tr>
</tbody>
</table>

**Students must take a 3SH course in Communication**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1010 Introduction to Human Communication</td>
<td>SPH 106</td>
</tr>
<tr>
<td>COMM 2212 Public Speaking</td>
<td>SPH 107</td>
</tr>
</tbody>
</table>

**The remaining hours in AREA II should be taken from the following:**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Equivalent</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 1010 Elementary French I</td>
<td>FRN 101</td>
</tr>
<tr>
<td>FREN 1020 Elementary French II</td>
<td>FRN 102</td>
</tr>
</tbody>
</table>
__ FREN 2010 Intermediate French I  
__ FREN 2020 Intermediate French II  
__ GERM 1010 Elementary German I  
__ GERM 1020 Elementary German II  
__ GERM 2010 Intermediate German I  
__ GERM 2020 Intermediate German II  
__ SPAN 1010 Elementary Spanish I  
__ SPAN 1020 Elementary Spanish II  
__ SPAN 2010 Intermediate Spanish I  
__ SPAN 2020 Intermediate Spanish II  
__ PHIL 2000 Reasoning and Critical Thinking  
__ PHIL 2100 Applied Ethics  
__ PHIL 2010 Introduction to Philosophy

AREA III: Natural Sciences and Mathematics (11 SH)

Students must complete the following:

__ CHEM 1100/1101 General Chemistry I/Lab  
__ CHEM 1200/1201 General Chemistry II/Lab

Students must complete a 3SH course in Mathematics

__ MATH 1120 Precalculus Algebra  
__ MATH 1150 Precalculus/Trigonometry  
__ MATH 1610 Calculus I  
__ MATH 1620 Calculus II

AREA IV: History, Social Sciences, & Behavioral Sciences (12SH)

Students must complete a 6SH sequence in Literature or History

Students must complete at least 3SH in History

__ HIST 1010 World History I  
__ HIST 1017 World History I, Honors  
__ HIST 1020 World History II  
__ HIST 1027 World History II, Honors  
__ HIST 2010 U.S. History to 1877
___ HIST 2020 U.S. History from 1877          HIS 202

The remaining hours in Area IV should be taken from the list below:

___ ANTH 2110 Cultural Anthropology          ANT 200
___ ECON 2010 Economics I                     ECO 232
___ ECON 2020 Economics II                    ECO 231
___ GEOG 2050 Geography of World regions      GEO 100
___ GEOG 2150 Cultural Geography              NO EQUIVALENT
___ POLS 2020 Institutions of American State & National Gov.   POL 211
___ PSYC 2110 General Introductory Psychology  PSY 200
___ SOCI 2000 Introduction to Sociology       SOC 200
___ SOCI 2007 Introduction to Sociology, Honors NO EQUIVALENT

AREA V: Major & Elective Courses

Students must take the following courses: * Course is recommended but not required.

___ BIOL 1010/1011 Principles of Biology I/Lab   BIO 101, BIO 103
___ BIOL 2010/2011 Fundamentals of Microbiology/Lab, OR   BIO 220
___ BIOL 3010/3011 Microbiology/Lab            NO EQUIVALENT
___ BIOL 2100/2101 Anatomy & Physiology I/Lab  BIO 201, BIO 211
___ BIOL 2110/2111 Anatomy & Physiology II/Lab*  BIO 202, BIO 212
___ CHEM 2300/2301 Survey of Organic Chemistry/ Lab NO EQUIVALENT
___ BIOL 2200 Biostatistics or required to take the next two:
___ CSCI 1000 Survey of Computer                CIS 146
___ MATH 2670 Elementary Statistics            MTH 265

THE FOLLOWING COURSES MUST BE TAKEN AT AUM

Students must take each of the following courses:

___ CLLS 3013 Laboratory Technologies          ___ CLLS 4054 Phlebotomy
___ CLLS 3103 Immunology and Serology          ___ CLLS 4080 Lab Management & Education-WI
___ CLLS 3153 Immunohematology I                ___ CLLS 4114 Clinical Serology
___ CLLS 3203 Urinalysis & Body Fluids         ___ CLLS 4163 Clinical Immunohematology I
___ CLLS 3243 Clinical Hematology I             ___ CLLS 4174 Clinical Immunohematology II
___ CLLS 3253 Clinical Hematology II           ___ CLLS 4214 Clinical Urinalysis
___ CLLS 3303 Clinical Microbiology I
___ CLLS 3313 Clinical Microbiology II
___ CLLS 3353 Clinical Parasitology & Mycology I
___ CLLS 3403 Clinical Instrumentation I
___ CLLS 3433 Methods of Drug Analysis
___ CLLS 3443 Clinical Chemistry I
___ CLLS 4040 Comprehensive Review

___ CLLS 4263 Clinical Hematology III-WI
___ CLLS 4274 Clinical Hematology IV
___ CLLS 4323 Clinical Microbiology III
___ CLLS 4334 Clinical Microbiology IV
___ CLLS 4364 Clinical Parasitology & Mycology II
___ CLLS 4453 Clinical Chemistry II
___ CLLS 4463 Clinical Chemistry III
___ CLLS 4474 Clinical Chemistry IV

** The Medical Laboratory Science Program requires a C or better in all science courses.

Total Semester Hours: 120