### Biology BS with Pre-Med Requirements

**First and Second Year Advising**

**Academic Plan for Biology BS with Pre-Med Requirements**

**College of Arts & Sciences**

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**Biology students must complete this list of University Core areas:**

- **Artistic Knowledge** (1 course/3 credit hours)
- **Ethics** (1 course/3 credit hours)
- **Historical Knowledge** (2 courses/6 credit hours)
- **Literary Knowledge** (2 courses/6 credit hours)
- **Philosophical Knowledge** (2 courses/6 credit hours)
- **Societal Knowledge** (2 courses/6 credit hours)
- **Theological Knowledge** (2 courses/6 credit hours)
- **Writing Seminar** (1 course/3 credit hours)

**Study Abroad** Biology majors will find it easiest to study abroad during the fall of their junior or senior year. Students may expect to take University Core and up to 1-2 Biology courses while abroad with department approval. Summer coursework may be required.

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**120 Total Credit Hours**

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<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
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<td>FALL</td>
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| BIOL 101/111*  
General Biology I & Lab  
(4 credits) | BIOL 251*  
Cell Biology  
CHEM 223/225*  
Organic Chemistry A & Lab  
(4 credits) | BIOL 396 or 398  
Research or Internship  
(2 credits) | BIOL Elective with Lab  
(4 credits) |
| CHEM 101/111*  
General Chemistry A & Lab  
(4 credits) | MATH 132  
Applied Calculus II  
Language 101 | BIOL 335*  
Biostatistics | BIOL Elective |
| MATH 118  
Pre-Calculus II | CORE | BIOL 200-Level  
Foundational Lab  
(1 credit) | CORE |
| UCWR 110**  
Writing Seminar | CORE | PHYS 111/111L*  
College Physics I & Lab  
(4 credits) | CORE |
| UNIV 101  
First-Year Seminar  
(1 credit) | CORE | BIOL 366/CHEM 361*  
Biochemistry (cross-listed) | CORE |

| SPRING | | | |
|--------| | | |
| BIOL 102/112*  
General Biology II & Lab  
(4 credits) | BIOL 282*  
Genetics  
CHEM 224/226*  
Organic Chemistry B & Lab  
(4 credits) | BIOL 265  
Ecology  
PHYS 112/112L*  
College Physics II & Lab  
(4 credits) | BIOL Elective with Lab  
(4 credits) |
| CHEM 102/112*  
General Chemistry B & Lab  
(4 credits) | BIOL 296 Intro to Research  
(1 credit) | CORE | CORE |
| MATH 131  
Applied Calculus I | PSYC 101**  
General Psychology  
Language 102 | CORE | General Elective |
| SOCL 101**  
Society in a Global Age | | | |

*Course fulfills major and pre-med requirement.  **Course fulfills University Core and pre-med requirement.

Students majoring in the College of Arts & Sciences must also complete two Writing Intensive courses, which may fulfill University Core or major requirements in addition.