Biomedical Sciences, BS

Academic Plans

Four-Year Graduation Plan

The following checkpoints list the minimum requirements students must complete by certain semesters in order to stay on the university's Four-Year Graduation Plan. Courses in the major are those required to complete the major; they may be offered by departments other than the major department.


During the eighth semester: enrollment in all remaining coursework in the major, all remaining GE CLAS Core courses, and a sufficient number of semester hours to graduate.

Sample Plan of Study

Sample plans represent one way to complete a program of study. Actual course selection and sequence will vary and should be discussed with an academic advisor. For additional sample plans, see MyUI.

Biomedical Sciences, BS

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL:1200 or RHEt:1030</td>
<td>The Interpretation of Literature or Rhetoric</td>
<td>3 - 4</td>
</tr>
<tr>
<td>PSY:1001</td>
<td>Elementary Psychology</td>
<td>3</td>
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</table>

Hours 14-15

Second Year

Any Semester

Shadow a professional and learn more about the field of medicine in the second or third year.

Start the search process for a research lab in the second or third year.

Hours 0

Fall

BIOL:2512 or BIOL:2211 | Fundamental Genetics or Genes, Genomes, and the Human Condition | 3 - 4 |

CHEM:2210 | Organic Chemistry I | 3 |

PHYS:1511 | College Physics I | 4 |

GE CLAS Core: World Languages First Level Proficiency or elective course d | 4 - 5 |

Hours 14-16

Spring

CHEM:2220 | Organic Chemistry II | 3 |

MICR:2157 | General Microbiology e | 3 |

MICR:2158 | General Microbiology Laboratory e | 2 |

PHYS:1512 | College Physics II | 4 |

GE CLAS Core: World Languages Second Level Proficiency or elective course e | 4 - 5 |

Hours 16-17

Third Year

Any Semester

Students should start the search process for letters of recommendation in the third or fourth year.

Hours 0

Fall

BMB:3120 | Biochemistry and Molecular Biology I | 3 |

CHEM:2410 | Organic Chemistry Laboratory | 3 |

HHP:3500 | Human Physiology | 3 |

STAT:3510 | Biostatistics | 3 |

GE CLAS Core: World Languages Third Level Proficiency or elective course d | 4 - 5 |

Hours 16-17

Spring

BIOL:3373 | Human Population Genetics and Variation | 3 |

BMB:3130 | Biochemistry and Molecular Biology II | 3 |

PSY:2130 or CPH:1800 or PSY:2930 | Advanced Psychology for Pre-Medical Track or Social and Psychological Determinants of Health: Changing Behavior, Improving Health or Abnormal Psychology: Health Professions | 3 |

GE CLAS Core: World Languages Fourth Level Proficiency or elective course d | 4 - 5 |

Exam: Take MCAT in spring or summer

Hours 13-14

Summer

Admission Application: Apply to medical school

Hours 0
### Fourth Year

#### Fall
- **Major:** elective lecture I \(^f\) 3
- **Major:** research experience \(^f\) 4
- GE CLAS Core: Diversity and Inclusion \(^g\) 3
- GE CLAS Core: Historical Perspectives \(^g\) 3
- GE CLAS Core: International and Global Issues \(^g\) 3

**Hours** 16

#### Spring
- BIOL:4898 Communicating Research \(^f\) 2
- **Major:** elective lecture II \(^f\) 3 - 4
- **Major:** investigative lab \(^f\) 3 - 4
- GE CLAS Core: Literary, Visual, and Performing Arts \(^g\) 3
- GE CLAS Core: Values and Culture \(^g\) 3

Degree Application: apply on MyUI before deadline (typically in February for spring, September for fall) \(^h\)

**Hours** 14-16

**Total Hours** 119-128

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**Notes:**

- **a** Sustainability must be completed by choosing a course that has been approved for Sustainability AND for one of these General Education areas: Natural Sciences; Quantitative and Formal Reasoning; Social Sciences; Historical Perspectives; International and Global Issues; Literary, Visual, and Performing Arts; or Values and Culture.
- **b** Enrollment in chemistry courses requires completion of a placement exam.
- **c** Enrollment in math courses requires completion of a placement exam.
- **d** Students who have completed four years of a single language in high school have satisfied the GE CLAS Core World Languages requirement. Enrollment in world languages courses requires a placement exam, unless enrolling in a first-semester-level course.
- **e** MICR:2157 and MICR:2158 should be taken in the same semester.
- **f** Students complete a total of 15-17 s.h. of elective coursework from approved lists of courses; see General Catalog.
- **g** GE CLAS Core courses may be completed in any order unless used as a prerequisite for another course. Students should consult with an advisor about the best sequencing of courses.
- **h** Please see Academic Calendar, Office of the Registrar website for current degree application deadlines. Students should apply for a degree for the session in which all requirements will be met. For any questions on appropriate timing, contact your academic advisor or Graduation Services.