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| Senior: | Fall | | |
| BIO 309 or 314 | Microbiology or Histology | 4 | |
| BIO 4__ | BIO Elective Environmental area | 4 | |
| Elective | Elective | 3 | |
| Elective | 300/400 Level Elective | 3 | |
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| | | Fall Credits | 17 |
| | Spring | | |
| BIO 450 | Evolution and the Integration of Knowledge | 3 | |
| CHE 310 | Biochemistry | 4 | |
| BIO 421 or BIO 318 | Advanced Physiology or Immunology | 4 | |
| BIO 354 | Botany | 4 | |
| HUM 499 | Senior Competences Assessment | 0 | |
| | | Spring Credits | 15 |
| | | Total Senior Credits | 32 |
| | | Total UMary Credits | 64 |
| | | Total Bachelor's Degree Credits | 125 |

Specific admission requirements vary by medical school. For this reason, it is essential that students contact the schools they are interested in attending early in their academic programs, and periodically thereafter, to be sure they include all required courses in their programs of study.

Note: Because some biology courses (e.g. Microbiology) are offered every other year, it is important for students to consider the rotation of courses in planning their programs of study to ensure they take these courses in the appropriate year.

Biology Electives: Students must take five biology electives selected from three major areas of study. Of the five, at least one course must be taken from each of the three areas. These electives are in addition to the required biology courses.

Organismal & Systematics Area

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|---------|---------------------------------|--|
| BIO 207 | Human Anatomy and Physiology I | (Bio 207 & 208 together count as 1 elective) |
| BIO 208 | Human Anatomy and Physiology II | |
| BIO 312 | Parasitology | |
| BIO 330 | Zoology | |
| BIO 421 | Advanced Physiology | |
| BIO 339 | Mammalogy | |
| BIO 333 | Ornithology | |

Cell and Molecular Area

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|-----------------|-------------------------------|
| BIO 309 | Microbiology |
| BIO 310 | Cell and Molecular Biology |
| BIO 314 | Histology |
| BIO 318 | Immunology and Serology |
| BIO 319 and 320 | Hematology and Hematology Lab |
| BIO 417 | Developmental Biology |

Environmental Area

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|---------|-----------------------|
| BIO 326 | Environmental Biology |
| BIO 415 | Conservation Biology |
| BIO 422 | Principles of Ecology |
| BIO 423 | Animal Behavior |
| BIO 433 | Range Management |
| BIO 432 | Wildlife Management |