



22/23 Suggested Course of Study

Biology, BS (Pre-Health)

(ACT Math \leq 19)

Freshman Year, Fall Semester

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|-----------------------------|---|-----------|
| Major | BIO 101, Freshman Experience in Biology | 1 |
| Major | BIO 105 or 106, Introductory Biology I or II | 4 |
| Gen Ed | ENG 101 Composition I | 3 |
| Gen Ed | HIST 101 or 102, History of World Civ I or II | 3 |
| Elective | MATH 131, Intermediate Algebra | 3 |
| Total semester hours | | 14 |

Freshman Year, Spring Semester

| | | |
|-----------------------------|--|-----------|
| Major | BIO 105 or 106, Introductory Biology I or II | 4 |
| Gen Ed | ENG 102 Composition II | 3 |
| Gen Ed | COMS 101 Foundations of Oral Comm. | 3 |
| Support | Math 144, Pre-Calculus Algebra | 3 |
| Gen Ed | Fine Arts | 3 |
| Total semester hours | | 16 |

Sophomore Year, Fall Semester

| | | |
|-----------------------------|---|-----------|
| Major | BIO 205 or 206, Ecology or Genetics | 4 |
| Support | MATH 149, Pre-Calculus Trigonometry | 3 |
| Gen Ed | ENG 231 or 232, Global Literature I or II | 3 |
| Gen Ed | CHEM 121, General Chemistry I | 4 |
| Total semester hours | | 14 |

Sophomore Year, Spring Semester

| | | |
|-----------------------------|--------------------------------------|-----------|
| Major | BIO 205 or 206, Ecology or Genetics | 4 |
| Support | CHEM 122, General Chemistry II | 4 |
| Gen Ed | MATH 157, Introduction to Statistics | 3 |
| Gen Ed | Social & Behavioral Sciences | 3 |
| Gen Ed | Personal Development | 3 |
| Total semester hours | | 17 |

Junior Year, Fall Semester

| | | |
|-----------------------------|--|-----------|
| Major | BIO 341, Anatomy | 4 |
| Support | CHEM 221, Organic Chemistry I | 4 |
| Gen Ed | PHYS 201, College Physics I | 4 |
| Gen Ed | HIST 101 or 102, or Social & Behavioral Sci. | 3 |
| Total semester hours | | 15 |

Junior Year, Spring Semester

| | | |
|-----------------------------|---|-----------|
| Major | BIO 342, Physiology | 4 |
| Support | CHEM 222 or 370, Organic Chem II, or BioC | 4 |
| Support | PHYS 202, College Physics II | 4 |
| Gen Ed | Social and Behavioral Science course | 3 |
| Total semester hours | | 15 |

Senior Year, Fall Semester

| | | |
|-----------------------------|-------------------------------------|-----------|
| Major | BIO 310 or 380 or 390 or 460 or 470 | 4 |
| Major | BIO major elective | 4 |
| Gen Ed | ENG 231 or 232 or Humanities course | 3 |
| Gen Ed | Humanities or Fine Arts course | 3 |
| Electives | General or Minor elective | 1 |
| Total semester hours | | 15 |

Senior Year, Spring Semester

| | | |
|-----------------------------|---------------------------------------|-----------|
| Major | BIO 307, Cell Biology | 4 |
| Major | BIO 490, Senior Seminar in Biology | 3 |
| Gen Ed | Humanities or Fine Arts | 3 |
| Elective | General or Minor (or CHEM 370 or 222) | 4 |
| Total semester hours | | 14 |

TOTAL HOURS REQUIRED FOR DEGREE **120**

Notes

* Indicates the course is also used to satisfy a General Education Core requirement.

This suggested course of study is for informational purposes only and does not replace academic advising. All UM students must meet with an academic advisor before registering for future semesters. This plan contains 8 hours of general electives.

For more information, contact the department chair or click one of the links below:

Dr. Brett D Noerager NoeragerB@montevallo.edu 205 665-6480, Harman 117

Webpage: <https://www.montevallo.edu/academics/colleges/college-of-arts-sciences/biology-chemistry-mathematics/programs/biology/>

Bulletin: http://bulletin.montevallo.edu/preview_program.php?catoid=31&pooid=4488&returnto=4154