



Biology

Total Credits: 42

Find the Website [here](#)

Department Chair: Dr. Alyssa Schuck

schuck@yu.edu

REQUIRED COURSES

| Course # | Course Name | Credits |
|------------------|---------------------------------------|---------|
| BIOL 1011 & 1013 | Biology Principles I – Lecture & Lab | 4 |
| BIOL 1012 & 1014 | Biology Principles II – Lecture & Lab | 4 |
| CHEM 1045 | General Chemistry I Lecture | 3 |
| CHEM 1046 | General Chemistry II Lecture | 3 |
| CHEM 1047 | General Chemistry Lab | 2 |

Plus two (2) courses chosen from the following

| | | |
|--------------------------|--|---|
| COMP 1001 or 1300 | Programming for non-CS majors or Introduction to Computer Science | 4 |
| MATH 1410 or 1412 | Fundamentals of Calculus or Calculus I | 4 |
| MATH 1413 | Calculus II | 4 |
| STAT 1021 | Introduction to Statistics | 3 |

All majors must take the Math Placement exam.

Up to two (2) credits in approved Independent Research/Summer Internship may apply towards Biology major.

ELECTIVE COURSES

Complete **20 credits** of Advanced Biology courses

| Course # | Course Name | Credits |
|--------------------------|--|---------|
| BIOL 3207 or 3521 | Cell Biology or Molecular Biology | 4 |
| BIOL 3513 or 4023 | Genetics or Micro Biology | 4 |

Plus two (2) additional 4-credit lecture/lab courses **and** either an additional 4-credit lecture/lab course or two lecture-only courses. CHEM 1376 /1377, Biochemistry lecture/lab may count.

Biology Minor

Total Credits: 18+

REQUIRED COURSES

| Course # | Course Name | Credits |
|------------------|---------------------------------------|---------|
| BIOL 1011 & 1013 | Biology Principles I – Lecture & Lab | 4 |
| BIOL 1012 & 1014 | Biology Principles II – Lecture & Lab | 4 |

Plus ten (10) additional BIOL credits including two (2) Lecture/Lab courses of 4 credits each and one (1) Lecture-only course (2-3 credits); Courses cross-listed in the Department of Biology **and** in Psychology cannot be counted towards the Biology Minor.

Note: “Journal Club” courses of 1 credit each do not count towards the Biology Major or Minor. BIOL 3221, Nutrition, does not apply towards the Biology Major or Minor.