**BIO Upper-Level Electives Spring 2020**

- For the B.S. degree, a minimum of 9 of the 15 upper-level electives must be BIO courses (i.e. must have a BIO prefix).
- For the B.A. with Topical Focus, a minimum of 9 of the 15 upper-level electives must be BIO courses.
- For the B.A. with Minor option, a minimum of 6 of the 4-9 upper-level elective credit hours be BIO courses. If fewer than 6 hours are required to complete the requirements, all hours must be BIO courses.
- For the Biology minor, a minimum of 4 of the elective credit hours be BIO courses.

^^^For those who started the program F17 or after^^^

**BIO 302 (3) Introduction to Neuroscience**
**BIO 305 (3) Introduction to Neuroscience Techniques – Neuro majors only**
**BIO 308 (3) General Microbiology**
**BIO 309 (2) Microbiology Laboratory**
**BIO 337 (3) Math Modeling in Life Sciences**
**BIO 394 (1-3) Independent Research in Neuroscience**
**BIO 395 (1-3) Independent Research in Biology**
**BIO 397 (1-3) Independent Research in Microbiology**
**BIO 398 (1-3) Research and Writing in Biology**
**BIO 402 (3) Practical Microscopy**
**BIO 405 (3) Human Genetics**
**BIO 410 (3) Vertebrate Endocrinology**
**BIO 420G (4) Taxonomy of Vascular Plants**
**BIO 429/629* (3) Developmental Biology**
**BIO 445 (3) The Biology of Sex**
**BIO 447 (3) Animal Senses**
**BIO 461G (3) Introduction to Population Genetics**
**BIO 494G (3) Immunobiology**
**BIO 495G (3) Bacterial Pathogenesis**
**BIO 507 (3) Biology of Sleep and Circadian Rhythms**
**BIO 508 (3) Evolution**
**BIO 509 (3) Neuroscience of Pollination**
**BIO 520 (3) Bioinformatics**
**BIO 535 (3) Comparative Neurobiology and Behavior**
**BIO 559 (4) Ornithology**
**BIO 568 (3) Insect Behavior**