

Biology Major Cellular & Molecular Biology Option

| Major Core Requirements | Required Supporting Courses: |
|---|---|
| BI 111 (4) Principles of Biology _____ | CH 111 (3), 111L (1) General Chemistry I _____ |
| BI 112 (4) Principles of Biology _____ | CH 112 (3), 112L (1) General Chemistry II _____ |
| BI 200W (2) Biological Literature _____ | CH 311 (4), 311L (1) Organic Chemistry I _____ |
| BI 306 (4) Genetics _____ | CIS 125 (3) Business Software Applications or |
| BI 307 (4) Microbiology _____ | CS 135 (3) Computer Skills for Problem-Solving _____ |
| BI 312 (3) Evolution _____ | Select the following sequence or course: |
| BI 375 (4) Cell Biology _____ | MA 121 (3) Calculus for Business & Life Sciences I |
| BI 435 (3) Biostatistics _____ | & MA 122 (3) Calculus for Business & Life Sciences II |
| BI 498 (1) Senior Assessment Seminar _____ | MA 125 (4) Calculus I _____ |
| Molecular Biology & Biochemistry | Select one of the following sequences: |
| BI 415 (4) Molecular Biology _____ | PH 241 (4) General Physics I & PH 242 (4) General |
| BI 441 (3) Biochemistry _____ | Physics II _____ |
| Organismal Biology elective: | PH 251 (5) Technical Physics I & PH 252 (5) |
| One course selected from the following: | Technical Physics II _____ |
| BI 340 (4) Invertebrate Zoology _____ | |
| BI 341 (4) Natural History of the Vertebrates _____ | |
| BI 452 (3) Entomology _____ | |
| BI 463 (3) Plant Taxonomy _____ | |
| BI 471 (4) Parasitology _____ | |
| Ecology elective | |
| One course selected from the following: | |
| BI 406 (4) Microbial Ecology & Evolution _____ | |
| BI 419 (2) Tropical Ecology & BI 420 (2) Field Experience _____ | |
| BI 421 (4) Ecology _____ | |
| BI 423 (4) Aquatic Ecology _____ | |
| Cellular & Molecular Biology electives: | |
| Select a minimum of 8 hours from the following: | |
| BI 311 (4) Animal Physiology _____ | |
| BI 409 (4) Immunology _____ | |
| BI 433 (4) Embryology _____ | |
| BI 460 (3) Plant Physiology _____ | |
| BI 472 (4) Histology _____ | |
| BI 495 (1-4) Research/Internship _____ | |
| BI 499 (1-4) Special Topics in Biology _____ | |