

Biology Minor Courses

All students in the minor will take three introductory biology courses (see the Biology Minor form for details) and then select an additional 15-16 units of 300 or 400-level courses according to their interests and goals (for a total of at least 28 units). Students may choose to emphasize courses in environmental biology or in human biology & biotechnology, or may choose to take courses in both areas. Check prerequisites before you plan your course of study! Approval from the Biology Minor Coordinator is required for all programs of study.

Listed below are some possible courses which might be of interest. **Other courses in the department may also be used. Always make sure you have the appropriate prerequisites or instructor approval. Please note: BIO 400, 450, 485 and 495 are not acceptable for the minor.**

Environmental Biology Emphasis

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| BIO 301 | Environmental Science and Human Ecology (4) |
| BIO 307 | World Aquaculture (4) (GE F) |
| BIO 317 | The World of Spatial Data and Geographic Information Technology (4) (GE F) |
| BIO 325 | General Ecology (4) |
| BIO 328 | Marine Biology (4) |
| BIO 427 | Wildlife Management (4) |
| BIO 435 | Plant Physiology (4) |
| BOT 313 | Taxonomy of Vascular Plants (4) |
| BOT 323 | Plant Pathology (4) |
| BOT 326 | Plant Ecology (4) |
| BOT 433 | Field Botany (4) |
| ZOO321 | Mammalogy (4) |
| ZOO 322 | Ichthyology (4) |
| ZOO 323 | Ornithology (4) |
| ZOO 335 | General Entomology (4) |
| ZOO 336 | Invertebrate Zoology (4) |
| ZOO 341 | Herpetology (4) |
| ZOO 423 | Fisheries Science and Resource Conservation (4) |
| ZOO 425 | Parasitology (4) |
| ZOO 437 | Animal Behavior (4) |

Human Biology & Biotechnology Emphasis

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| BIO 302 | Human Genetics (4) (GE B5) |
| BIO 303 | Survey of Genetics (4) |
| BIO 305 | Biology of Cancer (4) (GE B5) |
| BIO 447 | Bioinformatics Applications (4) |
| MCRO 320 | Emerging Infectious Diseases (3) |
| SCM 325 | Genetic Engineering Technology (4) (GE F) |
| ZOO 331 | Human Anatomy & Physiology I (5) |
| ZOO 332 | Human Anatomy & Physiology II (5) |

Suggested tracks:

Current Issues

- BIO 301 Environmental Science and Human Ecology (4)
MCRO 320 Emerging Infectious Diseases (3)
SCM 325 Genetic Engineering Technology (4) (GE F)
BIO 307 World Aquaculture (4) (GE F)
OR ZOO 423 Fisheries Science and Resource Conservation (4)

Human Health (choose 4)

- BIO 302 Human Genetics (4) (GE B5)
BIO 305 Biology of Cancer (4) (GE B5)
MCRO 320 Emerging Infectious Diseases (3)
ZOO 331 Human Anatomy & Physiology I (5)
ZOO 332 Human Anatomy & Physiology II (5)
ZOO 425 Parasitology (4)

Animal Biology

- ZOO 437 Animal Behavior (4)
Choose 3 from: BIO 328 Marine Biology (5)
 ZOO321 Mammalogy (4)
 ZOO 322 Ichthyology (4)
 ZOO 323 Ornithology (4)
 ZOO 335 General Entomology (4)
 ZOO 341 Herpetology (4)
 ZOO 336 Invertebrate Zoology (4)
 ZOO 425 Parasitology (4)

Plant Biology (choose 4)

- BOT 313 Taxonomy of Vascular Plants (4)
BOT 323 Plant Pathology (4)
BOT 326 Plant Ecology (4)
BOT 433 Field Botany (4)
BIO 435 Plant Physiology (4)

Biotechnology

- BIO 303 Survey of Genetics (4)
BIO 317 The World of Spatial Data and Geographic Information Technology (4) (GE F)
BIO 447 Bioinformatics Applications (4)
SCM 325 Genetic Engineering Technology (4) (GE F)

Environmental Biology & Conservation

- BIO 301 Environmental Science and Human Ecology (4)
BIO 427 Wildlife Management (4)
BIO 307 World Aquaculture (4) (GE F)
OR ZOO 423 Fisheries Science and Resource Conservation (4)
BIO 328 Marine Biology (4)
OR BOT 326 Plant Ecology (4)