GENERAL CURRICULUM IN BIOLOGY

The General Curriculum in Biology is followed by default if no concentration is declared.

Biodiversity Courses

Select from the following:

- BIO 321  Mammalogy
- BIO 322  Ichthyology
- BIO 323  Ornithology
- BIO 324  Herpetology
- BIO 329  Vertebrate Field Zoology
- BIO 335  General Entomology
- BIO 336  Invertebrate Zoology
- BIO 429  Parasitology
- BOT 313  Taxonomy of Vascular Plants
- MCRO 224  General Microbiology I
- MCRO 402  General Virology
- MSCI 324  Marine Mammals, Birds and Reptiles

400-level Electives

Select from any 400 level BIO/BOT/MCRO/MSCI course, except BIO 400, BIO 450, BIO 461, BIO 462, BIO 463.

300-400 level Electives

Select from any 300-400 level BIO/BOT/MCRO/MSCI course, except BIO 300, BIO 330, BIO 400, BIO 450, BIO 461, BIO 462, BIO 463.

Approved Electives

At least 12 units must be upper-division.

At least 4 units must be BIO/BOT/MCRO/MSCI course(s)

Select from the following:

- Any BIO/BOT/MCRO/MSCI course
- AG/EDES/ENGR/ISLA/SCM/UNIV 350  The Global Environment
- ANT 401  Culture and Health
- ASCI 239  Principles of Rangeland Management
- ASCI 351  Reproductive Physiology
- ASCI 403  Applied Biotechnology in Animal Science
- ASCI 405  Domestic Livestock Endocrinology
- ASCI 406  Applied Animal Embryology and Assisted Reproduction
- ASCI 438  Systemic Animal Physiology
- CHEM 217  Organic Chemistry II
- CHEM 218  Organic Chemistry III
- CHEM 220  Organic Chemistry Laboratory For Life Sciences II
- CHEM 223  Organic Chemistry Laboratory for Life Sciences III
- CHEM 313  Survey of Biochemistry and Biotechnology
- CHEM 371  Biochemical Principles
- CHEM 331  Quantitative Principles
- CHEM 341  Environmental Analysis
- CHEM 341  Water Pollution
- CHEM 372  Metabolism
- CHEM 377  Chemistry of Drugs and Poisons
- CHEM 418  Neurochemistry
- CHEM 428  Nutritional Biochemistry
- CHEM 474  Protein Techniques Laboratory
- COMS 418  Health Communication
- CSC 101  Fundamentals of Computer Science
- DATA 301  Introduction to Data Science
- ENGR 322/SCM 302  The Learn By Doing Lab Teaching Practicum
- ERSC/GEOG 250  Physical Geography
- ES/WGS 350  Gender, Race, Culture, Science and Technology
- FSN 310  Maternal and Child Nutrition
- GEOG 440  Advanced-Applications in GIS
- KINE 406  Neuroanatomy
- KINE 445  Electrocardiography
- KINE 446  Echocardiography
- LA/NR 218  Introduction to Geographic Information Systems (GIS)
- or GEOG 318  Applications in GIS
- NR 141  Introduction to Forest Ecosystem Management
- NR 142  Environmental Management
- NR 404  Environmental Law
- NR 416  Environmental Impact Analysis and Management
- NR 418  Applied GIS
- NR 425  Applied Resource Analysis and Assessment
- PHIL 323  Ethics, Science and Technology
- PHIL 339  Biomedical Ethics
- PHIL 341  Professional Ethics
- PSC 201  Physical Oceanography
- PSY 320  Health Psychology
- PSY 340  Biopsychology
- SS 120  Introductory Soil Science
- SS 321  Soil Morphology
- SS 322  Soil Plant Relationships
- SS 422  Soil Ecology
- STAT 313  Applied Experimental Design and Regression Models
- STAT 324  Applied Regression Analysis
- or STAT 334  Applied Linear Models
- or STAT 330  Statistical Computing with SAS
- STAT 416  Statistical Analysis of Time Series
- STAT 419  Applied Multivariate Statistics
- STAT 421  Survey Sampling and Methodology

Total units: 43
Consultation with advisor is recommended prior to selecting electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

Excess units will be applied to 300-400 level Electives.

Excess units will be applied to Approved Electives.

Courses taken to meet a major or support requirement cannot be double-counted as an elective.

Selecting a GE course that double counts as an elective may cause an upper-division unit shortage. Take care to ensure that you have selected enough 300 and 400-level courses to meet the 60-unit Upper-Division Requirement.

Recommended for students interested in health science careers.

Maximum of 6 units may be applied toward Approved Electives from: BIO 200, BIO 300, BIO 400, BIO 450.

Maximum of 2 units may be applied toward Approved Electives from ENGR 322/SCM 302.

If BIO 461 or BIO 462 is used to meet the senior project requirement, it cannot also be counted as an elective.