

Biology

Contact Information

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Faculty

Professor Bang; Assistant Professor Sani;
Instructor Coble.

Biology

Many students need knowledge of biology as part of their background. The biology courses are offered for students in science, engineering, and general studies. Students are advised to take laboratory courses whenever possible.

Minimum enrollments, as established by administration policy, are necessary to teach a course. A minor in biology is not available. However, for students considering medical, dental, veterinary, or graduate school in a biology field, the department recommends students and advisors consider one of three biology sequences for study rather than selecting courses at random. Record of successful completion of an approved sequence can be made a part of a student's permanent record. A minimum of 18 credits is recommended with 8 of those credits being BIOL 151/151L; BIOL 153/153L; or equivalent. At least 6 credits should be at the 300 level or above.



Recommended Options:

A. General Biology Sequence

Eight (8) core credits:

BIOL 151, 151L, 153, 153L

Ten (10) additional credits from:

BIOL 231	General Microbiology	3
BIOL 231L	General Microbiology Lab	1
BIOL 341	Microbial Processes in Engr and Natural Sciences	3
BIOL 371	Genetics	3
BIOL 491	Independent Study	1-4

B. Health Science Sequence

Eight (8) core credits:

BIOL 151, 151L, 153, 153L

Ten (10) additional credits from:

BIOL 121	Basic Anatomy	3
BIOL 121L	Basic Anatomy Lab	1
BIOL 123	Basic Physiology	3
BIOL 123L	Basic Physiology Lab	1
BIOL 231	General Microbiology	3
BIOL 231L	General Microbiology Lab	1
BIOL 371	Genetics	3
BIOL 423	Pathogenesis	3
BIOL 423L	Pathogenesis Lab	1
BIOL 492	Topics	1-5

C. Environmental Science Sequence

Eight (8) core credits:

BIOL 151, 151L, 153, 153L

Ten (10) additional credits from:

BIOL 311	Principles of Ecology	3
BIOL 341	Microbial Processes in Engr and Natural Sciences	3
BIOL 371	Genetics	3
BIOL 431	Industrial Microbiology	3
BIOL 431L	Industrial Microbiology Lab	1
BIOL 403	Global Environmental Change	3
BIOL 492	Topics	1-5

Biological Laboratories

These laboratories, located on the ground floor of the McLaury Building, are equipped for the preparation and study of biological materials, both macroscopic and microscopic. Commencing in 2011, these labs will be in the new Chemical and Biological Engineering and Chemistry Building (CBEC). For some courses field trips add significant experience.