

Biology Minors for declarations prior to 2003

Minor in Biology

The Biology Minor is available only for majors outside of the Biological Sciences.

EITHER these two courses:

BIOL 101 Biology I 4 cr
BIOL 102 Biology II 4 cr

OR TWO of the following three 2-course combinations:

BIOL 202 General Zoology 3 cr
BIOL 202L General Zoology Laboratory 1 cr
BIOL 203 General Botany 3 cr
BIOL 203L General Botany Laboratory 1 cr
BIOS 221 Introductory Microbiology 3 cr
BIOS 223 Introductory Microbiology Laboratory 1 cr

Additional courses:

BIOS 206 Cell Biology 3 cr
BIOS 207 Cell Biology Laboratory 1 cr
BIOS 209 General Ecology 4 cr
BIOS g317 Organic Evolution 3 cr
BIOS 358 Genetics 3 cr
Upper division Biology courses 3-4 cr
TOTAL: 25 or 26 cr

Minor in Botany

EITHER these two courses:

BIOL 101 Biology I 4 cr
BIOL 102 Biology II 4 cr
OR these two courses:
BIOL 203 General Botany 3 cr
BIOL 203L General Botany Laboratory 1 cr

Additional Courses:

BIOS 206 Cell Biology 3 cr
BIOS 207 Cell Biology Laboratory 1 cr
BIOS 209 General Ecology 4 cr
BIOS g317 Organic Evolution 3 cr
BIOS 358 Genetics 3 cr
Upper division Botany courses* 7-8 cr
TOTAL: 25-26 or 29-30 cr

*BIOS g481-g482 and BIOS g491-g492 may not be used without prior approval of the departmental chair or assistant chair.

Minor in Ecology

EITHER these TWO courses:

BIOL 101 Biology I 4 cr
BIOL 102 Biology II 4 cr

OR these FOUR courses:

BIOL 202 General Zoology 3 cr
BIOL 202L General Zoology Laboratory 1 cr
BIOL 203 General Botany 3 cr
BIOL 203L General Botany Laboratory 1 cr

Additional Courses:

BIOS 192 Ecology Seminar 1 cr
BIOS 209 General Ecology 4 cr

Any combination of the following courses to total 12 credits:

BIOS g318 Ecological Topics 2 cr
BIOS 320 Physiological Ecology 3 cr
BIOS 337 Conservation of Natural Resources 3 cr
BIOS g408 Plant Ecology 3 cr
BIOS g416 Community Ecology 3 cr
BIOS g452 Population Ecology 3 cr
BIOS g459 Fish Ecology 3 cr
BIOS g462 Fresh Water Ecology 3 cr
BIOS g476 Ecology of Water Pollution 3 cr
BIOS g489 Field Ecology 3 cr
TOTAL: 21 cr

(BIOS g481-g482 and BIOS g491-g492 may not be used without prior approval of the departmental chair or assistant chair.)

Minor in Microbiology

BIOS 235 General Microbiology 4 cr
BIOS 236 Advanced General Microbiology 3 cr

Any combination of the following courses to total 14 credits:

BIOS g332 Biochemistry 3 cr
BIOS 334 Experimental Biochemistry 1 cr
BIOS g351 Immunology 3 cr
BIOS 353 Immunology Laboratory 1 cr
BIOS g355 Pathogenic Microbiology 3 cr
BIOS 357 Pathogenic Microbiology Laboratory 2 cr
BIOS g433 Microbial Physiology 4 cr
BIOS g465 Microbial Genetics 3 cr
BIOS g467 Microbial Genetics Laboratory 1 cr

BIOS g475 General Virology 3 cr
BIOS g477 Bacterial Virology Laboratory 1 cr
BIOS g478 Animal Virology Laboratory 1 cr
TOTAL: 21 cr

(BIOS g481-g482, BIOS g491-g492, and BIOS 494 may not be used without prior approval of the departmental chair or assistant chair)

Minor in Zoology

EITHER these two courses:

BIOL 101 Biology I 4 cr
BIOL 102 Biology II 4 cr

OR these two courses:

BIOL 202 General Zoology 3 cr
BIOL 202L General Zoology Laboratory 1 cr

Additional Courses:

BIOS 206 Cell Biology 3 cr
BIOS 207 Cell Biology Laboratory 1 cr
BIOS 209 General Ecology 4 cr
BIOS g317 Organic Evolution 3 cr
BIOS 358 Genetics 3 cr
Upper division
Zoology courses* 7-8 cr
TOTAL: 25-26 or 29-30 cr

*BIOS g481-g482 and BIOS g491-g492 may not be used without prior approval of the departmental chair or assistant chair.