B.S. in Microbiology, Microbial Ecology concentration – four-year graduation plan

*This is an example of a four-year graduation plan for a degree in Microbiology, concentration in Microbial Ecology (choosing advanced chemistry). Courses marked with * are electives within the major; other choices are available.*

Year 1

Autumn

BIOB 160N/161N—Principles Living Systems/Lab (4)
! CHMY 141N/142N—College Chemistry I/Lab (5)
! M 171—Calculus I (4) *[or M 162 Applied Calculus]*
Elective (1)
Total: 14 credits

Spring

BIOB 170N/171N—Biological Diversity/Lab (5)
CHMY 143N/144N—College Chemistry II/Lab (5)
! WRIT 101—College Writing I (3)
General Education Requirement (3)
Total: 16 credits

Year 2

Autumn

BIOB 260—Cell and Molecular Biology (4)
CHMY 221/222—Organic Chemistry I/Lab (5)
BIOM 360/361—General Microbiology/Lab (5)
Total: 14 credits

Spring

BIOB 272—Genetics and Evolution (4)
CHMY 223/224—Organic Chemistry II/Lab (5)
Intermediate Writing Course (3)
STAT 216—Intro to Statistics (4)
Total: 16 credits

Year 3

Autumn

BIOE 370—General Ecology (3)
*BIOE 371—General Ecology Lab (2)
*BIOM 427/428—General Parasitology/Lab (4)
General Education Requirement (3)
*CSCI 150—Intro to Computer Science (3)
Total: 15 credits

Spring

BIOM 415—Microbial Diversity, Ecol, Evolution (3)
*BCH 380—Biochemistry (4)
General Education Requirement (3)
Upper Division Elective (3)
Elective (2)
Total: 15 credits

Year 4

Autumn

BIOM 450/451—Micro Phys/Lab (4): ***odd fall***
PHSX 205N/206N—College Physics I/Lab (5)
General Education Requirement (3)
*CHMY 311—Analytical Chemistry (4)
Total: 16 credits

Spring

*BIOM 435—Virology (3)
BIOM 410/411—Micro. Genetics/Lab (4): **even spring**
General Education Requirements (6)
Elective (1)
Total: 14 credits

! Eligibility depends on placement exams *9/15/23*
**See catalog or your advisor for details on alternative course choices.*