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

This is an example of a four year graduation plan for a degree in Microbiology, option in Microbial Ecology (choosing advanced chemistry).

Year 1

Autumn
BIOB 160N/161N—Principles Living Systems/Lab (4)
\(^1\)CHMY 141N/142N—College Chemistry I/Lab (5)
\(^1^2\)M 171—Calculus I (4)
Elective (1)
Total: 14 credits

Spring
BIOB 170N/171N—Biological Diversity/Lab (5)
CHMY 143N/144N—College Chemistry II/Lab (5)
\(^1\)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)
General Education Requirement (3)
Total: 15 credits

Year 3

Autumn
BIOE 370—General Ecology (3)
\(^2\)BIOE 371—General Ecology Lab (2)
\(^2\)BIOM 427/428—General Parasitology/Lab (4)
STAT 216—Intro to Statistics (4)
\(^2\)CSCI 135—Fundamentals of Computer Science I (3)
Total: 16 credits

Spring
BIOM 415—Microbial Diversity, Ecol, Evolution(3)
PHSX 205N/206N—College Physics I/Lab (5)
\(^2\)NRSM 210N—Soils, Water & Climate (3)
General Education Requirement (3)
Total: 14 credits

Year 4

Autumn
BIOM 450/451—Microbial Physiology/Lab (4)
\(^2\)BCH 380—Biochemistry (4)
General Education Requirement (3)
Upper Division Elective (4)
Total: 15 credits

Spring
\(^2\)BIOM 435—Virology (3)
BIOM 410/411—Microbial Genetics/Lab (4)
General Education Requirements (6)
Upper Division Elective (3)
Total: 16 credits

\(^1\)Eligibility depends on placement exams
\(^2\)See catalog or DBS Advising Office for details on alternative course choices.