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)  
CHMY 141N—College Chemistry I (5)  
M 171—Calculus I (4)  
Elective (1)  
Total: 14 credits

**Spring**
BIOB 170N/171N—Biological Diversity/Lab (5)  
CHMY 143N—College Chemistry II (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)  
Elective (1)  
Total: 15 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**
BCH 380—Biochemistry (4)  
BIOE 370—General Ecology (3)  
BIOE 371—General Ecology Lab (2)  
STAT 216—Intro to Statistics (4)  
Elective (1)  
Total: 14 credits

**Spring**
BIOM 415—Microbial Diversity, Ecol, Evolution(3)  
PHSX 205N/206N—College Physics I/Lab (5)  
CSCI 135—Fundamentals of Computer Science I (3)  
General Education Requirement (3)  
Elective (1)  
Total: 15 credits

**Year 4**

**Autumn**
BIOM 450/451—Microbial Physiology/Lab (4)  
BIOE 428—Freshwater Ecology (5)  
General Education Requirement (3)  
Upper Division Elective (4)  
Total: 16 credits

**Spring**
BIO 440—Biological Electron Microscopy (2)  
BIOM 410/411—Microbial Genetics/Lab (4)  
GEO 482—Global Change (3)  
General Education Requirements (6)  
Total: 15 credits

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