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/142N—College Chemistry I/Lab (5)
- **M** 171—Calculus I (4)
- Elective (1)

**Spring**
- BIOB 170N/171N—Biological Diversity/Lab (5)
- CHMY 143N/144N—College Chemistry II/Lab (5)
- WRIT 101—College Writing I (3)

**Total: 14 credits**

**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)

**Spring**
- BIOB 272—Genetics and Evolution (4)
- CHMY 223/224—Organic Chemistry II/Lab (5)
- Intermediate Writing Course (3)

**Total: 14 credits**

**Total: 15 credits**

Year 3

**Autumn**
- BIOE 370—General Ecology (3)
- BIOE 371—General Ecology Lab (2)
- BIOM 427/428—General Parasitology/Lab (4)
- STAT 216—Intro to Statistics (4)
- CSCI 125—Computation in the Sciences (3)

**Spring**
- BIOM 415—Microbial Diversity, Ecol, Evolution(3)
- PHSX 205N/206N—College Physics I/Lab (5)
- NRSM 210N—Soils, Water & Climate (3)

**Total: 16 credits**

**Total: 16 credits**

Year 4

**Autumn**
- BIOM 450/451—Microbial Physiology/Lab (4)
- BCH 380—Biochemistry (4)
- General Education Requirement (3)
- Upper Division Elective (4)

**Spring**
- BIO 435—Virology (3)
- BIOM 410/411—Microbial Genetics/Lab (4)
- General Education Requirements (6)

**Total: 15 credits**

**Total: 16 credits**

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