B.S. Biology, Ecology & Organismal Biology concentration (advanced chemistry) – four-year graduation plan

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

### Year 1

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<th>Autumn</th>
<th>Spring</th>
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| 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]  
Freshman Experience (1)  
*STAT 216—Intro to Statistics (4)  
Total: 14 credits | BIOB 170N/171N—Biological Diversity/Lab (5)  
CHMY 143N/144N—College Chemistry II/Lab (5)  
General Education Requirement (3)  
! WRIT 101—College Writing I (3)  
Total: 16 credits |

### Year 2

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| BIO 260—Cell and Molecular Biology (4)  
CHMY 221/222—Organic Chemistry I/Lab (5)  
Intermediate Writing Course (3)  
*STAT 216—Intro to Statistics (4)  
Total: 16 credits | BIO 272—Genetics and Evolution (4)  
CHMY 223/224—Organic Chemistry II/Lab (5)  
General Education Requirement (3)  
General Education Requirement (3)  
Total: 15 credits |

### Year 3

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| BIOE 370/371—General Ecology/Lab (5)  
*BIOM 427/428—General Parasitology/Lab (4)  
PHSX 205N/206N—College Physics I/Lab (5)  
Elective (1)  
Total: 15 credits | *BIOB 375—General Genetics (3)  
PHSX 207N/208N—College Physics II/Lab (5)  
General Education Requirement (3)  
Upper Division Elective (3)  
Total: 14 credits |

### Year 4

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| *BCH 480—Advanced Biochemistry I (3)  
*BIOB 486—Genomics (3)  
General Education Requirement (3)  
Upper Division Elective (6)  
Total: 15 credits | *BCH 482—Advanced Biochemistry II (3)  
*BIOE 428—Freshwater Ecology (5)  
General Education Requirement (3)  
Upper Division Electives (4)  
Total: 15 credits |

*Eligibility depends on placement exams

*See catalog or Biology Advising Office for details on alternative course choices.