# B.S. in Biology, Ecology & Organismal Biology option (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 option (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)

**Total: 14 credits**

### Spring

- **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

### Autumn

- **BIOB 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**

### Spring

- **BIOB 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

### Autumn

- **BIOE 370/371** — General Ecology/Lab (5)
- **BIOM 427/428** — General Parasitology/Lab (4)
- **PHSX 207N/208N** — College Physics I/I Lab (5)
- **PHSX 205N/206N** — College Physics I/I Lab (5)
- Elective (1)

**Total: 15 credits**

### Spring

- **BCH 480** — Advanced Biochemistry I (3)
- **BCH 482** — Advanced Biochemistry II (3)
- **BIO 486** — Genomics (3)
- **BIOE 428** — Freshwater Ecology (5)

**Total: 15 credits**

## Year 4

### Autumn

- **BCH 480** — Advanced Biochemistry I (3)
- **BIOB 486** — Genomics (3)
- General Education Requirement (3)
- Upper Division Elective (6)

**Total: 15 credits**

### Spring

- **BCH 482** — Advanced Biochemistry II (3)
- **BIOE 428** — Freshwater Ecology (5)
- General Education Requirement (3)
- Upper Division Electives (4)

**Total: 15 credits**

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