This Curriculum expires after six years.

Degree: Bachelor of Science
Major: BIOLGY
Emphasis: Ecology

### UNIVERSITY CORE CURRICULUM

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### SCH PREREQUISITES

- MATH 1314 or MATH 1316 or placement beyond
- MATH 1314 or placement beyond
- CHEM 1411 & MATH 1314 or placement beyond

**Note:** Taking core curriculum courses other than those listed below will result in additional credit hours apply to your degree. Please consult your academic advisor for more details.

### First-Year Seminars/ Professional Skills

- 2 Credits required
- Choose UCCP 1101 & UCCP 1102 or BIOL 2200
- UCCP 1101 & UCCP 1102 | First-Year Seminar | 2
- BIOL 2200 | Professional Skills | 2

### Biology Core:

- BIOL 1406 | Biology I | 4
- BIOL 1407 | Biology II | 4
- BIOL 2416 | Genetics | 4
- BIOL 2421 | Microbiology | 4
- BIOL 2371 | Principles of Evolution (FL, SS) | 3
- BIOL 3428 | Principles of Ecology | 4
- CHEM 1411 | Gen. Chemistry I | 4
- CHEM 1412 | Gen. Chemistry II | 4
- CHEM 3412 | Organic Chemistry I | 4
- CHEM 3413 | Organic Chemistry II | 4
- MATH 2413 | Calculus I | 3
- BIOL 4292 | Senior Presentation | 2

### Chemistry of Life/Cell Biology Requirement: Choose one from the following:

- BIOL 3403 | Molecular Biology (SP) | 4
- BIOL 3410 | Cell Biology (FL) | 4
- CHEM 4401 | Biochemistry I | 4

### Form and Function requirement: Choose one from the following:

- BIOL 3425 | Functional Anatomy (SP) | 4
- BIOL 3430 | Physiology (FL, SS) | 4
- BIOL 3455 | Plant Form and Function (alt) | 4

### Organismal Biology requirement: Choose one from the following:

- BIOL 2472 | Principles of Botany (SP) | 4
- BIOL 3413 | Vertebrate Zoology (FL, SS) | 4
- BIOL 3414 | Vertebrate Zoology (FL) | 4

### ECOLOGY CORE CLASSES: Choose two from the following:

- BIOL 3479 | Plant Ecology (Odd SP) | 4
- BIOL 4405 | Limnology | 4
- BIOL 4408 | Microbial Diversity and Ecology (Odd FL) | 4
- BIOL 4436 | Marine Ecology (SP) | 4
- BIOL 4446 | Tropical Ecosystems and Conservation | 4

### Advanced Math Requirement:

- MATH 3342 | Applied Probability and Stats | 3

### ECOLOGY ELECTIVES: See elective list

- 22-23

### University Requirements

- Minimum Total Hours for degree: 120
- Minimum Major grade point average (g.p.a.): 2.5
- Upper Division minimum total hours: 45
- Upper Division minimum residency hours: 36
- Upper Division minimum major residency hrs: 12
- Cumulative TAMU-CC minimum g.p.a.: 2
- Foreign Language Requirement: see catalog