This Curriculum expires after six years.

<table>
<thead>
<tr>
<th>Degree:</th>
<th>Bachelor of Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major:</td>
<td>BIOLOGY</td>
</tr>
<tr>
<td>Emphasis</td>
<td>INTEGRATIVE</td>
</tr>
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### UNIVERSITY CORE CURRICULUM

<table>
<thead>
<tr>
<th>SCH</th>
<th>PREREQUISITERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1311</td>
<td>Foundation of Communication</td>
</tr>
<tr>
<td>ENGL 1302</td>
<td>Writing and Rhetoric</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>US History to 1865</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>US History Since 1865</td>
</tr>
<tr>
<td>POLS 2305</td>
<td>US Government and Politics</td>
</tr>
<tr>
<td>POLS 2306</td>
<td>State and Local Government</td>
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</tbody>
</table>

### ENGL 1302 Writing and Rhetoric

- **COMM 1311 Foundation of Communication**
- **HIST 1301 US History to 1865**
- **HIST 1302 US History Since 1865**
- **POLS 2305 US Government and Politics**
- **POLS 2306 State and Local Government**

### BIOL 1406 Gen Biology I

- **MATH 2413 Calculus I**
- **ENGL 1302 Writing and Rhetoric**
- **HIST 1301 US History to 1865**
- **HIST 1302 US History Since 1865**
- **POLS 2305 US Government and Politics**
- **POLS 2306 State and Local Government**

### BIOL 1407 Gen Biology II

- **MATH 2413 Calculus I**
- **ENGL 1302 Writing and Rhetoric**
- **HIST 1301 US History to 1865**
- **HIST 1302 US History Since 1865**
- **POLS 2305 US Government and Politics**
- **POLS 2306 State and Local Government**

### CHEM 1411 Gen. Chemistry I

- **BIOL 1406 Gen Biology I**
- **MATH 2413 Calculus I**
- **ENGL 1302 Writing and Rhetoric**
- **HIST 1301 US History to 1865**
- **HIST 1302 US History Since 1865**
- **POLS 2305 US Government and Politics**
- **POLS 2306 State and Local Government**

### CHEM 1412 Gen. Chemistry II

- **BIOL 1406 Gen Biology I**
- **MATH 2413 Calculus I**
- **ENGL 1302 Writing and Rhetoric**
- **HIST 1301 US History to 1865**
- **HIST 1302 US History Since 1865**
- **POLS 2305 US Government and Politics**
- **POLS 2306 State and Local Government**

### First-Year Seminars/ Professional Skills

<table>
<thead>
<tr>
<th>SCH</th>
<th>PREREQUISITERS</th>
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<tbody>
<tr>
<td>UCCP 1101</td>
<td>First-Year Seminar</td>
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<tr>
<td>BIOL 2200</td>
<td>Professional Skills</td>
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### Biology Core:

<table>
<thead>
<tr>
<th>SCH</th>
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<tbody>
<tr>
<td>BIOL 1406</td>
<td>Biology I</td>
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<tr>
<td>BIOL 1407</td>
<td>Biology II</td>
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<tr>
<td>BIOL 2416</td>
<td>Genetics</td>
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<td>BIOL 2421</td>
<td>Microbiology</td>
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<tr>
<td>BIOL 2371</td>
<td>Principles of Evolution</td>
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<tr>
<td>BIOL 3428</td>
<td>Principles of Ecology</td>
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<tr>
<td>CHEM 1411</td>
<td>Gen. Chemistry I</td>
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<td>CHEM 1412</td>
<td>Gen. Chemistry II</td>
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<tr>
<td>CHEM 3411</td>
<td>Organic Chemistry I</td>
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<tr>
<td>CHEM 3412</td>
<td>Organic Chemistry II</td>
</tr>
<tr>
<td>MATH 2413</td>
<td>Calculus I</td>
</tr>
<tr>
<td>BIOL 4292</td>
<td>Senior Presentation</td>
</tr>
</tbody>
</table>

### Math requirement: Choose one from the following:

- **MATH 1314 College Algebra**
- **MATH 1316 Trigonometry**
- **MATH 2312 Precalculus**
- **MATH 2413 Calculus II**
- **MATH 3342 Applied Probability and Stats**

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

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

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

- **MATH 1314 College Algebra**
- **MATH 1316 Trigonometry**
- **MATH 2312 Precalculus**
- **MATH 2413 Calculus II**
- **MATH 3342 Applied Probability and Stats**

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

- **BIOL 3425 Functional Anatomy (SP)**
- **BIOL 3450 Physiology (FL)**
- **BIOL 3455 Plant Form and Function (even SP)**

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

- **BIOL 3472 Principles of Botany (odd SP)**
- **BIOL 3413 Invertebrate Zoology (FL, SS)**
- **BIOL 3414 Vertebrate Zoology (FL)**

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

- **BIOL 3410 Cell Biology (FL)**
- **BIOL 3425 Functional Anatomy (SP)**
- **BIOL 3430 Physiology (FL, SS)**
- **PHYS 1401 or 2425 Physics I**
- **PHYS 1402 or 2426 Physics II**

### INTEGRATIVE REQUIRED CLASSES: 20 sem hours (B can count in BIOL core)

- **BIOL 3410 Cell Biology (FL)**
- **BIOL 3425 Functional Anatomy (SP)**
- **BIOL 3430 Physiology (FL, SS)**
- **PHYS 1401 or 2425 Physics I**
- **PHYS 1402 or 2426 Physics II**

### INTEGRATIVE ELECTIVES: See elective list

*Minimum Total Hours for degree: 120 Minimum Major grade point average (GPA): 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 First Year Seminar Requirement: UCCP 1101/1102*