Undergraduate Major Map

Catalog Year: 2023
College / School: Arts, Sciences & Education
Major: Biological Sciences - BS
Track / Concentration: Biology Education Major
Career Path: Two Year Transfer

Fall Term 2023
Students must pass all sections of the FTCE: General Knowledge (GK) Exam by the end of the semester that they complete 72 credits.

After passing this exam, they must apply for Program Admission with their assigned advisor located in ZEB 210.

In addition, students should complete Milestone #1 electronically, using their Taskstream account: https://w.taskstream.com/ts/chang28/ProgramMilestones.

They must also maintain an average cumulative GPA of a 2.5, with a minimum of a ¿C¿ in all Education coursework.

Course Group | Course Required | Course Description | Credit Hours | Course Notes
---|---|---|---|---
Biology Core Courses | PCB 3043 | Ecology | 3 | Prerequisite: BSC 2010 and BSC 2011
Biology Core Courses | PCB 3063 | Genetics | 3 | Prerequisite: BSC 2010
Additional Lower Division Courses | SMT 2044 | STEP 1&2 Lesson Math and Sci | 2 | (Combined Step 1&2: Inquiry-Based Approaches...) Field hours. Fingerprint clearance required.
General Electives | | | 3 | See Assigned Advisor for 3000/4000 Level Course
Biology Laboratories | | | 1 | See Assigned Advisor for 3000/4000 Level Biology Lab
Biology Education | SMT 3100 | Know and Learn Math and Sci | 3 | Prerequisite/Corequisite: SMT 2044. Refer to course syllabus or course catalog for assigned field hours, if any.

Spring Term 2024
Students should begin preparing for the FTCE: Professional Education Test and/or Subject Area Exam ¿ Biology 6-12 as planned with their assigned advisor.

If SCE 4194 course is taken in this semester, it will satisfy the Global Learning (GL) Discipline Specific requirement.

They must also maintain an average cumulative GPA of a 2.5, with a minimum of a ¿C¿ in all Education coursework.

Course Group | Course Required | Course Description | Credit Hours | Course Notes
---|---|---|---|---
Biology Education | SCE 4194 | Pers in Sci and Math Ed | 3 | Refer to course syllabus or course catalog for assigned field hours, if any.
Biology Core Courses | PCB 4023 | Cell Biology | 3 | Prerequisite: PCB 3063 and CHM 1046
Biology Distribution - Ecology | | | 3 | See Assigned Advisor for 3000/4000 Level Biology Ecology Elective Course
Biology Education | SMT 4301 | Class Interact Math and Sci | 3 | Prerequisite: SMT 3100. Fingerprint clearance required to complete assigned field hours
General Electives | | | 2 | See Assigned Advisor for 3000/4000 Level Course
Summer Term 2024
Summer enrollment is encouraged, but not applicable for all students. This may be determined after meeting with their assigned advisor.

If TSL 4324 course is taken in this semester, it will satisfy the Global Learning (GL) Discipline Specific requirement.

Students should apply for Student Teaching through the Office of Clinical Experiences by June 1st, or when specified by the Clinical Experience Office and/or their assigned advisor.

In addition, they should have passed the FTCE: Professional Education Test and/or Subject Area Exam Biology 6-12 as planned with their assigned advisor.

Students must continue to maintain an average cumulative GPA of a 2.5, with a minimum of a \( C \) in all Education coursework.

<table>
<thead>
<tr>
<th>Course Group</th>
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<th>Credit Hours</th>
<th>Course Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology Education</td>
<td>RED 4325</td>
<td>Subj Area Reading</td>
<td>3</td>
<td>Fingerprint clearance required to complete assigned field hours</td>
</tr>
<tr>
<td>Biology Education</td>
<td>TSL 4324</td>
<td>ESOL Content Areas</td>
<td>3</td>
<td>Prerequisite: Program Admission. Fingerprint clearance required to complete assigned field hours</td>
</tr>
<tr>
<td>Biology Core Courses</td>
<td>PCB 4674</td>
<td>Evolution</td>
<td>3</td>
<td>Prerequisites: PCB3063 and PCB3043</td>
</tr>
</tbody>
</table>

Fall Term 2024
Students MUST have ALL required coursework completed and ALL FTCE Education Exams passed prior to placement in Student Teaching.

Students must continue to maintain an average cumulative GPA of a 2.5, with a minimum of a \( C \) in all Education coursework.

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<tr>
<td>Biology Education</td>
<td>SMT 4664</td>
<td>Prob Based Instr Math-Sci</td>
<td>3</td>
<td>Prerequisite: SMT 3100 and SMT 4301. Fingerprint clearance required to complete assigned field hours.</td>
</tr>
<tr>
<td>Biology Core Courses</td>
<td>BSC 4931</td>
<td>Senior Seminar</td>
<td>1</td>
<td>Prerequisite/Corequisite: Senior Standing, PCB 3043, PCB 3063, PCB 4023, PCB 4674</td>
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<tr>
<td>Biology Distribution - Organismal Diversity</td>
<td></td>
<td></td>
<td>3</td>
<td>See Assigned Advisor for 3000/4000 Level Biology Organismal Diversity Elective Course</td>
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<tr>
<td>Biology Distribution - Physiology/Biochemistry</td>
<td></td>
<td></td>
<td>3</td>
<td>See Assigned Advisor for 3000/4000 Level Biology Physiology/Biochemistry Elective Course</td>
</tr>
<tr>
<td>Biology Education</td>
<td>BSC 3910</td>
<td>Biology Research Methods</td>
<td>3</td>
<td>Prerequisite: SMT 2044. Refer to course syllabus or course catalog for assigned field hours, if any.</td>
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<tr>
<td>Biology Distribution - Structure/Development</td>
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<td></td>
<td>3</td>
<td>See Assigned Advisor for 3000/4000 Level Biology Structure/Development Elective Course</td>
</tr>
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</table>
Undergraduate Major Map

Spring Term 2025
Student teaching is a full-time teaching experience and requires commitment during school hours along with preparation and grading time.

Students should apply for Graduation by the first week of classes, or as communicated by their advisor.

Students must continue to maintain an average cumulative GPA of a 2.5, with a minimum of a C in all Education coursework.

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<tr>
<td>Biology Education</td>
<td>SCE 4944</td>
<td>Student Teaching</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

Term GPA: 2
Term Hours: 6
Cum GPA: 2.5

General Requirements