Program: Science Education
Major: Science Education - Biology
Degree: Bachelor of Science in Education (B.S.Ed.)

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 96-97.
• Courses from the major may apply to the areas marked in the University Core.

• Written and Oral Communication .......................................................... 9

Quantitative Reasoning/Scientific Method ........................................... 10-11
• Math................................................................. 3
• Life Science...................................................... 3
• Physical Science..................................................... 3-4

Critical Inquiry and Aesthetic Analysis .................................................. 6
Aesthetic Analysis........................................................... 3
Critical Inquiry........................................................... 3

Support Courses ................................................................. 9-15

Mathematics .................................................................................. 6
Required courses:
MATH 2153 BioCalculus
STAT 2103 Introduction to Statistics for Sciences

Elective 3000/4000 Biology ....................................................... 15
Any 3000/4000 level BIO course
No more than two (2) hours of the following courses will count toward the minimum required hours for the Biology major.
BIO 3000 Workshop in Biology
BIO 3990 Advanced Topics in Biology
BIO 4900 Practicum in Biology
BIO 4930 Individual Study in Biology
BIO 4950 Internship in Biology
BIO 4960 Institute in Biology
BIO 4970 Study Tour in Biology

Professional Education .......................................................... 31

PTE 1010 Introduction to Teacher Education
PTE 3023 Foundations of American Education/Clinical Exp
PTE 3153 Adolescent Psychology
SPED 4123 Teaching Individuals with Disabilities
^BIO 4812 Teaching and Learning in Science Classrooms
^BIO 4853 General Methods of Teaching Science and Lab
^PTE 4172 Educational Assessment
^PTE 4533 Educational Psych/Clinical Experience
^PTE 4811 Contemporary Issues
^PTE 4838 Internship/Student Teaching Secondary
^PTE 4853 Classroom Management & Instruction

^ Admission to Teacher Education required
#To be taken the same semester

Minimum Hours required ........................................... 128*

*Total hours required for this major may exceed the minimum 124 credit hour institutional requirement and will vary according to course selection. It is recommended students complete high school algebra II, trigonometry, and two years of a second language in high school.
<table>
<thead>
<tr>
<th>Program</th>
<th>Science Education - continued</th>
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<tbody>
<tr>
<td>Major</td>
<td>Science Education - Biology</td>
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<tr>
<td>Degree</td>
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<tr>
<td>Dept</td>
<td>Biology</td>
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<tr>
<td>College</td>
<td>Mathematics and Science</td>
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<td>Major Code</td>
<td>6040</td>
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- CONTINUED FROM PREVIOUS PAGE -

Graduating seniors must take a national assessment exam in Biology as a degree requirement for the B.S.Ed. in Science Education - Biology.

**Minimum Graduation Requirements**

1. Overall GPA in all college course work .................................... 2.75
2. Courses in English Composition, Fundamentals of Speech, Professional Education, and area of specialization (major)....... “C”
3. Proficiency in foreign language ......................... Novice 4 level

For other regulations pertaining to graduation, see pages 67-68 of the 2017-2018 catalog.