

# BIOLOGICAL SCIENCES | BACHELOR OF SCIENCE: BIOLOGY (EDUCATION)

## Degree Maps

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
TEEL 202	Foundations of Education	3
SGE070 - Institutionally Designated Area: Personal and Professional Development		3
MATH 110	College Algebra	3
BIOL 180 & 180L	Principles of Biology and Principles of Biology Laboratory	4
UNIV 101	Freshman Seminar	1
ENG 101	English Composition I	3
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
TEEL 231	Human Growth and Development	3
COMM 100	Fundamentals of Oral Communication	3
BIOL 250 & 250L	Botany and Botany Laboratory	4
ENG 102	English Composition II	3
MATH 250	Elements of Statistics	3
<b>Hours</b>		<b>16</b>
<b>Second Year</b>		
<b>Fall</b>		
TESP 302	Educating Students with Exceptionalities	3
BIOL 325 & 325L	Genetics and Genetics Laboratory	4
CHEM 120 & 120L	University Chemistry I and University Chemistry Laboratory I	5
BIOL 260 & 260L	Zoology and Zoology Laboratory	4
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
SGE070 - Institutionally Designated Area: Critical Thinking		3
BIOL 235	Early Field Experience: Biology	1
TECS 301	Introduction to Instructional Technology	3
CHEM 122 & 122L	University Chemistry II and University Chemistry Laboratory II	5
BIOL 395 & 395L	Ecology and Ecology Laboratory	4
<b>Hours</b>		<b>16</b>
<b>Third Year</b>		
<b>Fall</b>		
Directed Electives		3
TEEL 431	Educational Psychology	3
SGE060 - Arts Humanities Discipline Area		3
SGE060 - Arts Humanities Discipline Area		3
BIOL 230 & 230L	Anatomy and Physiology I and Anatomy and Physiology I Laboratory	4
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
TESS 406	Science Teaching Methods	2
SGE050 - Social Behavioral Sciences Discipline Area		3
BIOL 231 & 231L	Anatomy and Physiology II and Anatomy and Physiology II Laboratory	4
BIOL 442	Scientific Communication	3
CHEM 480	Laboratory Safety and Teaching Techniques	1

BIOL 499	Global Environmental Issues	3
<b>Hours</b>		<b>16</b>
<b>Fourth Year</b>		
<b>Fall</b>		
TESS 494	The Secondary School Experience	4
BIOL 490 & 490L	General Microbiology and General Microbiology Laboratory	4
BIOL 420	Evolution	3
PHYS 111 & 111L	Physics I and Physics I Laboratory	5
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
TEEL 675	Seminar in Education I	1
TESS 496	Student Teaching Secondary	11
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>125</b>

**Academic Degree Maps** are term-by-term sample course plans that specify milestones, courses, and special requirements that are necessary for facilitating on-time completion. Degree Maps are *examples* and are not prescriptive. Individualized choices such as concentration options, transfer credits, optional minors, advisory programs (certificates), etc. can alter the recommended coursework. Course offerings are subject to change. Students should consult with their academic advisors for additional guidance on course planning.

To determine courses to take in the directed choices (often listed as Program Elective Course) and directed elective course blocks see the overview tab for courses. To locate approved courses in General Education areas (Undergraduate Programs) see the general education section (<https://catalog.fhsu.edu/general-education/>) of the catalog.

The undergraduate course maps typically advise the most efficient route for students to complete the general education requirements. Courses that are required in the major may be listed as fulfilling relevant general education requirements. This will result in more open elective course hours in some maps than is listed on the degree overview page.