

BIOLOGY EDUCATION, BS

Code	Title	Credits
Required Courses in Biology		
BIOL 200	Introduction to Cellular Biology	3
BIOL 200L	Introduction to Cellular Biology Lab	1
BIOL 201	Introduction to Biodiversity & Evolution	3
BIOL 201L	Introduction to Biodiversity & Evolution Lab	1
BIOL 287	Sophomore Biology Seminar	1
BIOL 302	Botany	3
BIOL 302L	Botany Lab	1
BIOL 303	Microbiology	3
BIOL 303L	Microbiology Lab	2
BIOL 305	Human Anatomy & Physiology I	3
BIOL 305L	Human Anatomy & Physiology I Lab	1
BIOL 311	Ecology	3
BIOL 311L	Ecology Lab	1
BIOL 321	Genetics	3
BIOL 321L	Genetics Lab	1
BIOL 487	Senior Biology Seminar	1
Requirements in Related Fields		
ENVS 101	Physical Geology	3
ENVS 101L	Physical Geology Lab	1
ENVS 102	Historical Geology	3
ENVS 102L	Historical Geology Lab	1
MATH 200	Introduction to Statistics	3
Select one of the following groups:		8-9
<i>Group A</i>		
CHEM 121	Basic Chemistry	
CHEM 121L	Basic Chemistry Lab	
CHEM 122	Introductory Organic/Biochemistry	
CHEM 122L	Introduction to Organic/Biochemistry Lab	
<i>Group B</i>		
CHEM 231	General Chemistry I	
CHEM 231L	General Chemistry I Lab	
CHEM 232	General Chemistry II	
CHEM 232L	General Chemistry II Lab	
Select one Physics course with its corresponding lab:		4
PHYS 100	Our Physical Universe	
PHYS 100L	Our Physical Universe Lab	
PHYS 121	Introduction to Astronomy	
PHYS 121L	Introduction to Astronomy Lab	
PHYS 141	College Physics I	
PHYS 141L	College Physics I Lab	
Total Credits		54-55

Note: The student must fulfill the 9-12 professional education requirements for licensure; see the Education Department (<https://www.smsu.edu/academics/programs/education/>) regarding these requirements.