

BIOLOGY, BS, SECONDARY EDUCATION CONCENTRATION

The Secondary Teacher Education Concentration contains a curriculum that will provide the opportunity for certification to teach grades 8th-12th.

Program Requirements

Code	Title	Credit Hours
Core IMPACTS		42
All core curriculum recommendations are shown under the Core IMPACTS section of the Undergraduate Graduation Requirements. (https://catalog.clayton.edu/graduation-requirements/undergraduate-graduation-requirements/core-curriculum/#nonsciencemajorstext)		
Field of Study - Biology		18
All Lower Division Major Requirements for the degree are exactly the same as the Biology, BS program requirements.		
Upper Division Biology Secondary Education Major Core Requirements		30
No more than two grades of D in upper-division courses are allowed in the Secondary Education Track of the Biology major. Upper-division courses are all courses other than those of Core IMPACTS and Field of Study. 1000- or 2000-level courses used in the upper division are included in this restriction.		
BIOL 3201	Genetics	3
BIOL 3380	Evolution	3
BIOL 3500	Ecology	3
BIOL 4100	Animal Physiology	3
BIOL 3200	Cell and Molecular Biology	3
BIOL 3250	Introductory Microbiology	3
BIOL 3760	Plant Biology	3
BIOL 3650	Comparative Vertebrate Anatomy Laboratory	3
BIOL 3320	Invertebrate Biology	3
<i>Biology Lab Electives (minimum of 3 hours)</i>		3
Must choose from:		
BIOL 3200L	Cell and Molecular Biology Lab	
BIOL 3250L	Introductory Microbiology Lab	
BIOL 3760L	Plant Biology Lab	
BIOL 4100L	Animal Physiology Lab	
BIOL 3650L	Comparative Vert Anatomy Lab	
BIOL 3320L	Invertebrate Biology Lab	
BIOL 4999A	Senior Evaluation	0
or BIOL 4999B	Senior Evaluation	
Secondary Teacher Education Track		30
EDUC 2110	Invest. Critical/Contem. Issue	3
EDUC 2120	Exploring Socio-Culture	3
EDUC 2130	Exploring Teaching and Learning	3
EDUC 3030	Exploring the Exceptional Learner	3
EDUC 3200	Secondary Curr. & Assessment	3
EDUC 3210	Classroom Methods & Mgmt.	3
EDUC 4725	Secondary Practicum	2
EDUC 4003	Secondary Level Seminar	1

EDUC 4730	Secondary Level Internship	3
EDUC 4731	Secondary Level Internship	3
SCI 4901	Secondary Ed Science Instruct.	3
Total Credit Hours		120

Suggested Course Sequence

Please Note: This is a suggested course sequence and assumes a starting freshman with no prior college credit who intends to complete their degree in four years. Students should consult with their academic advisor and review the course prerequisites and minimum grade requirements as seen in the Academic Catalog.

Course	Title	Credit Hours
First Year		
First Semester		
MATH 1112	Trigonometry & Analytic Geom	3
BIOL 1108 & 1108L	Principles of Biology II and Principles of Biology Lab II	4
ENGL 1101	English Composition I	3
PSYC 1101	Intro to General Psychology	3
COMM 1001	Presentational Speaking	1
Credit Hours		14
Second Semester		
ENGL 1102	English Composition II	3
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry Lab I	4
ENGL 2131	American Literature I	3
MATH 1231 - Introductory Statistics		3
EDUC 2110	Invest. Critical/Contem. Issue	3
Credit Hours		16
Second Year		
First Semester		
BIOL 1107 & 1107L	Principles of Biology I and Principles of Biology Lab I	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry Lab II	4
BIOL 2900	Biological Inquiry	2
CRIT 1101	Critical Thinking	3
EDUC 2120	Exploring Socio-Culture	3
Credit Hours		16
Second Semester		
HIST 1111	Survey-PreModern World History	3
EDUC 2130	Exploring Learning & Teaching	3
CHEM 2411 & 2411L	Organic Chemistry I and Organic Chemistry Laboratory I	4
POLS 1101	American Government	3
ART 2301	Art of the Pre-Modern World	3
Credit Hours		16
Third Year		
First Semester		
EDUC 3200	Secondary Curr. & Assessment	3
PHYS 1111 & 1111L	Introductory Physics I and Introductory Physics Lab I	4
BIOL 3380	Evolution	3
BIOL 3650 & 3650L	Comparative Vertebrate Anatomy and Comparative Vert Anatomy Lab	4
BIOL 3500	Ecology	3
Credit Hours		17
Second Semester		
EDUC 3030	Exploring-Exceptional Learner	3

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BIOL 3250 & 3250L	Introductory Microbiology and Introductory Microbiology Lab	4
BIOL 4100 & 4100L	Animal Physiology and Animal Physiology Lab	4
BIOL 3760 & 3760L	Plant Biology and Plant Biology Lab	4
Credit Hours		15
Fourth Year		
First Semester		
EDUC 3210	Classroom Methods & Mgmt.	3
EDUC 4725	Secondary Practicum	2
BIOL 3200 & 3200L	Cell and Molecular Biology and Cell and Molecular Biology Lab	4
SCI 4901	Secondary Ed Science Instruct.	3
BIOL 3320	Invertebrate Biology	3
Credit Hours		15
Second Semester		
HIST 2111	Survey of US History to 1877	3
EDUC 4003	Secondary Level Seminar	1
EDUC 4730	Secondary Level Internship	3
EDUC 4731	Secondary Level Internship	3
BIOL 3201	Genetics	3
Credit Hours		13
Total Credit Hours		122