

2019

## **Bachelor of Science-Secondary Biology Education 2019-2020**

Nova Southeastern University

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BACHELOR OF SCIENCE - SECONDARY BIOLOGY EDUCATION (FLORIDA DOE STATE APPROVED PROGRAM)

**FIRST YEAR SEMINAR**

Course	Credits	Frequency
UNIV 1000: First Year Seminar	3	
<b>Total First Year Seminar Credits</b>	<b>3</b>	

**GENERAL EDUCATION REQUIREMENTS**

Area/Course	Credits	Frequency
<u>Written Composition</u>		
<i>6 credits at or above COMP 1500</i>		
Open Written Composition	3	
Open Written Composition	3	
<u>Mathematics</u>		
<i>6 credits at or above MATH 1040</i>		
MATH 1040: Algebra for College Students	3	
MATH 2020: Applied Statistics (satisfied in major)	3	
<u>Arts and Humanities</u>		
<i>6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language</i>		
HIST 1030 OR HIST 1040 (preferred)	3	
Open Arts and Humanities	3	
<u>Social and Behavioral Sciences</u>		
<i>6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS</i>		
Open Social and Behavioral Science	3	
Open Social and Behavioral Science	3	
<u>Science</u>		
<i>6 credits of Science</i>		
satisfied in major (PHYS 1020)	3	
satisfied in major (BIOL 1040)	3	
<b>Total General Education Credits</b>	<b>30</b>	

**MAJOR**

Course	Credits	Frequency
EDUC 2500: Education Pre-Enrollment Seminar	0	FW
PHYS 1020: Concepts in Physical Science	3	FW
*RAZT 1050: Fundamentals of Peer Education	3	F
BIOL 1040: Environmental Studies	3	FW
BIOL 1070: Basics in Human Heredity	3	FW
ESOL 2903F: Cross-Cultural Studies	3	F
EDUC 3525F: Practices of Instruction	3	F
EDUC 3535F: Educational Assessment	3	FW
BIOL 2400: Applied Microbiology	3	FW
BIOL 1500: Biology I/Lab	4	FW
EDUC 2010F: Foundations of Education	3	F
ESOL 3340F: Survey of TESOL for Teachers	3	W
EDUC 3350F: Survey of Exceptional Student Education	3	W
BIOL 1510: Biology II/ Lab	4	FW
ESOL 4565F: Second Language Learning	3	F
SECE 4320F: Secondary Classroom Management	3	F
SECE 3550F: Methods of Teaching Secondary Science	3	F
BIOL 3312: Human Anatomy and Physiology/Lab	5	FW
SECE 4560F: Methods of Teaching Secondary Reading	3	W
EDUC 4010F: Foundations of Curriculum Development	3	F
<b>Florida Teacher Cert. Exam - General Knowledge Test</b>		
BIOL 3200: General Ecology/ Lab	4	FW
CHEM 1100: Fundamentals of Chemistry	3	FW
MATH 2020: Applied Statistics	3	FW
<b>Florida Teacher Cert. Exam. - Subject Area Examination</b>		
<b>Florida Teacher Cert. Exam. - Professional Educator Test</b>		
SECE 4550F: Teaching Inquiry Science in Secondary Schools	3	FW
EDUC 4510F: Race, Society, and Ethics	3	F
SEBI 4570: Secondary Biology Education Internship	12	

*NOTE: Some General Education courses may also fulfill major requirements.*

**OPEN ELECTIVES**

Complete 4 elective courses	12
<b>Total Open Electives Credits</b>	<b>12</b>

*NOTE: Some General Education courses may also fulfill major requirements.*

*Frequency Key F-Every Fall; W-Every Winter; FO - Odd Year Fall; FE - Even Year Fall;  
WO - Odd Year Winter; WE - Even Year Winter*

**Total Major Credits**

86

*Frequency Key F-Every Fall; W-Every Winter; FO - Odd Year Fall; FE - Even Year Fall;  
WO - Odd Year Winter; WE - Even Year Winter*

**\* RAZT 1050 is only a required course for students in the Shark Teach Program**

**TOTAL CREDITS 122**

Freshman Year				
Fall		Winter		
Course	Credits	Course	Credits	
UNIV 1000: First Year Seminar	3	COMP 2000 or COMP 2020	3	
EDUC 2500: Educaton Pre-Enrollment Seminar	0	MATH 2020: Applied Statistics	3	
COMP 1500: College Writing	3	PHYS 1020: Concepts in Physical Science	3	
MATH 1040: Algebra for College Students	3	BIOL 1500: Biology I/Lab	4	
BIOL 1070: Basics in Human Heredity	3	EDUC 2010F: Foundations of Education	3	
ESOL 2903F: Cross Cultural Studies	3	ESOL 3340F: Survey of TESOL for Teachers	3	
EDUC 3525F: Practices of Instruction	3	EDUC 3535F: Educational Assessment	3	
EDUC 3350F: Survey of Exceptional Student Education	3			
<b>Total Credits</b>	<b>21</b>	<b>Total Credits</b>	<b>22</b>	

Sophomore Year				
Fall		Winter		
Course	Credits	Course	Credits	
BIOL 1040 Environmental Studies	3	CHEM 1100: Fundamentals of Chemistry	3	
BIOL 2400 Applied Microbiology	3	Social and Behavioral Science	3	
		Social and Behavioral Science	3	
HIST 1030 OR HIST 1040 (preferred) (Arts & Humanities)	3	Open Arts and Humanities	3	
BIOL 1510: Biology II/ Lab	4	BIOL 3312: Human Anatomy and Physiology/Lab	5	
ESOL 4565F: Second Language Learning	3	SECE 4560F: Methods of Teaching Secondary Readin	3	
SECE 4320F: Secondary Classroom Management in Multicultural	3	EDUC 4010F: Foundations of Curriculum Development	3	
SECE 3550F: Methods for Teaching Secondary Science	3	<b>Florida Teacher Cert. Exam. - Gen. Knowledge Test</b>		
<b>Total Credits</b>	<b>22</b>	<b>Total Credits</b>	<b>20</b>	

Junior Year				
Fall		Winter		
Course	Credits	Course	Credits	
Open Elective	4	SEBI 4570: Biology Education Internship	12	
BIOL 3200: General Ecology/ Lab	3			
Open Elective	3			
Open Elective	3			
Open Elective	3			
SECE 4550F: Teaching Inquiry Science in Middle and Secor	3			
EDUC 4510F: Race, Society, Diversity, and Ethics	3			
<b>Florida Teacher Cert. Exam. - Subject Area Examination</b>				
<b>Florida Teacher Cert. Exam. - Professional Educator Test</b>				
<b>Total Credits</b>	<b>22</b>	<b>Total Credits</b>	<b>15</b>	

Senior Year				
Fall		Winter		
Course	Credits	Course	Credits	
Begin MS program				

TOTAL CREDITS: 122

ABRAHAM S. FISCHLER COLLEGE OF EDUCATION  
SAMPLE FOUR YEAR CURRICULUM | 2019-2020 CATALOG  
SECONDARY BIOLOGY EDUCATION DEGREE CURRICULUM SHEET | 2019-2020 CATALOG

Freshman Year			
Fall		Winter	
Course	Credits	Course	Credits
UNIV 1000: First Year Seminar	3	COMP 2000 or COMP 2020	3
EDUC 2500: Education Pre-Enrollment Seminar	0	MATH 2020: Applied Statistics	3
COMP 1500: College Writing	3	HIST 1030 or HIST 1040 (preferred) (Arts & Humanities)	3
MATH 1040: Algebra for College Students	3	ESOL 3340F: Survey of TESOL for Teachers	3
EDUC 2010F: Foundations of Education	3	EDUC 3535F: Educational Assessment	3
ESOL 2903F: Cross Cultural Studies	3		
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>15</b>
Sophomore Year			
Fall		Winter	
Course	Credits	Course	Credits
BIOL 1040: Environmental Studies	3	BIOL 1070: Basics in Human Heredity	3
PSYC 1020 (preferred) (Soc & Beh Science)	3	BIOL 1500: Biology I/Lab	4
EDUC 3525F: Practices of Instruction	3	Social and Behavioral Science	3
EDUC 3350F: Survey of Exceptional Student Education	3	Open Arts and Humanities	3
PHYS 1020: Concepts in Physical Science	3	EDUC 4010F: Foundations of Curriculum Development	3
<b>Total Credits</b>	<b>15</b>	<b>Total Credits</b>	<b>16</b>
Junior Year			
Fall		Winter	
Course	Credits	Course	Credits
BIOL 1510: Biology II/ Lab	4	CHEM 1100: Fundamentals of Chemistry	3
BIOL 2400: Applied Microbiology	3	Open Elective	3
SECE 4550F: Teaching Inquiry Science in Middle and Se	3	BIOL 3200: General Ecology/ Lab	4
SECE 4320F: Secondary Classroom Management in Multicultu	3	SECE 4560F: Methods of Teaching Secondary Reading	3
Open Elective	3	Open Elective	3
<b>Total Credits</b>	<b>16</b>	<b>Total Credits</b>	<b>16</b>
Senior Year			
Fall		Winter	
Course	Credits	Course	Credits
Open Elective	3	SEBI 4570: Biology Education Internship	12
BIOL 3312: Human Anatomy and Physiology/Lab	5		
**SECE 3550F: Methods for Teaching Secondary Science	3		
ESOL 4565F: Second Language Learning	3		
EDUC 4510F: Race, Society, and Ethics	3		
Florida Teacher Cert. Exam. - Subject Area Examination			
Florida Teacher Cert. Exam. - Professional Educator Test			
<b>Total Credits</b>	<b>17</b>	<b>Total Credits</b>	<b>12</b>
<b>TOTAL CREDITS: 122</b>			

\*\*Supervised field experience