

## 2020 - 2021 Old Dominion University Catalog

### Bachelor of Science in Biology-Secondary Education Concentration (w/ VCCS Equivalencies)

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed.*

*\* Indicates not automatically waived with transferrable associates degree, C or better required for transfer. Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees). Associate in Science recommended for ease of transfer.*

#### YEAR 1 - FRESHMAN (31 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (17 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 110C*	ENG 111	ENGL 231C*	ENG 115 or 131
<span style="color: green;">Oral Communication</span>	<a href="#">Transfer Guide</a>	<span style="color: green;">Human Creativity</span>	<a href="#">Transfer Guide</a>
MATH 162M*	MTH 161 or 163	<span style="color: green;">Interpreting the Past</span>	<a href="#">Transfer Guide</a>
BIOL 121N & 122N*	BIO 101	BIOL 123N & 124N*	BIO 102
		<span style="color: green;">Impact of Technology</span>	<a href="#">Transfer Guide</a>
<u>Professional Education Coursework:</u>		<u>Professional Education Coursework:</u>	
STEM 101 (1 credit)		STEM 102 (1 credit)	

#### YEAR 2 - SOPHOMORE (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
Information Literacy and Research: CS 121G required or STEM 251G required	<a href="#">Transfer Guide</a>	<span style="color: green;">Human Behavior</span>	<a href="#">Transfer Guide</a>
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
STAT 130M*	MTH 146, 155, 157, 240, 241, 242 or 245	BIOL 292	
BIOL 291		MATH 205, 200 or 211*	MTH, 173, 261, 263, 270 or 271
CHEM 121N & 122N (4 credits)*	CHM 111	CHEM 123N & 124N (4 credits)*	CHM 112
<u>Professional Education Coursework:</u>		<u>Professional Education Coursework:</u>	
STEM 201		STEM 202	

#### YEAR 3 - JUNIOR (29 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (14 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
<span style="color: green;">Literature</span>	<a href="#">Transfer Guide</a>	<span style="color: green;">Philosophy and Ethics</span>	<a href="#">Transfer Guide</a>
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
OEAS 110N or OEAS 111N (4 credits)*	GOL 110 or GOL 105	BIOL 294	
CHEM 211 & 212 (5 credits)*	CHM 241 & 243	PHYS 111N (4 credits)*	PHYS 111, 121, 201
BIOL 293		300/400 level Biology Elective** (4 credits)	

#### YEAR 4 - SENIOR (33 CREDITS)

FALL SEMESTER (17 credits)		SPRING SEMESTER (16 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Professional Education Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 405W		STEM 485 (9 credits)	
300/400 level Biology Elective** (4 credits)		STEM 402	
300/400 level Biology Elective** (4 credits)		300/400 level Biology Elective** (4 credits)	
<u>Professional Education Coursework:</u>			
STEM 401			
BIOL 468W (C or better required)			

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog.

\*\*Students must choose 16 elective hours at the 300/400 level or above from the courses offered by the Department of Biological Sciences. Three of the courses must have a laboratory or field component (see individual course descriptions). Students may use four credits at the 200 level to satisfy the elective requirement. Elective courses must include one approved course each in botany, zoology, microbiology, and human anatomy and physiology. Consult with advisor.

Please refer to the catalog for Teacher Preparation requirements.

Professional Education Coursework satisfies the Upper Division General Education Coursework.

Requirements for graduation include completion of ENGL 110C, ENGL 211C or 221C or 231C, and the writing intensive (W) course in the major with a grade of C or better, completion of the Biology and Senior Assessments, a minimum cumulative 2.75 GPA, in the major area, and in the professional education core, with no grade less than a C in the major and C- in the professional education core; successful completion of the Teacher Candidate Internship and a minimum of 125 credit hours, which must include both a minimum of 32 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University. Note that a C (2.0) must be earned in all biology courses used to satisfy departmental requirements.