2014 - 2015 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.*

YEAR 1 - FRESHMAN (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
General Education Coursework:	VCCS Equivalency:	General Education Coursework:	VCCS Equivalency:
ENGL 110C	ENG 111*	ENGL 231C	ENG 115 or 131*
Oral Communication	Transfer Guide	Human Creativity	Transfer Guide
MATH 162M	MTH 163*	Interpreting the Past	Transfer Guide
Language and Culture I (May be waived, see catalog for details)	Transfer Guide	Language and Culture II (May be waived, see catalog for details)	Transfer Guide
BIOL 121N & 122N	Transfer Guide*	BIOL 123N & 124N	Transfer Guide*

YEAR 2 - SOPHOMORE (28 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (14 credits)	
General Education Coursework:	VCCS Equivalency:	General Education Coursework:	VCCS Equivalency:
Literature	Transfer Guide	MATH 200	MTH 270 or 271*
OEAS 110N or OEAS 111N** (4 credits)	GOL 110 or GOL 105*	PHYS 111N** (4 credits)	PHYS 111, 121, 201*
STAT 130M	MTH 146, 157, 240, 241 or 242*	Human Behavior	Transfer Guide
CS 121G	Transfer Guide*	Philosophy and Ethics	Transfer Guide
Professional Education Coursework:		Professional Education Coursework:	
STEM 101 (1 credit)	EDU 200*	STEM 102 (1 credit)	

YEAR 3 - JUNIOR (43 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (14 credits)		SUMMER SEMESTER (14 credits)
Major Coursework:	VCCS Equivalency:	Major Coursework:	VCCS Equivalency:	Major Coursework:
BIOL 291		BIOL 303		STEM 202
BIOL 292		CHEM 123 & 124N (4 credits) = CHM 112*		STEM 401
CHEM 121 & 122N (4 credits)	CHM 111*	Biology Elective*** (4 credits)		Biology Elective*** (4 credits)
CHEM 211 & 212 (5 credits)	CHM 241 and 243*	Professional Education Coursework:		Biology Elective*** (4 credits)
		STEM 201		

YEAR 4 - SENIOR (26 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (12 credits)	
Major Coursework:	VCCS Equivalency:	Professional Education Coursework:	VCCS Equivalency:
BIOL 405W		STEM 485 (9 credits)	
SCI 468		STEM 402	
CHEM Elective 200-level or higher (5 credits)	CHM 242 and 244, 245 or 246*		
BIOL 293			

**Must be in the following sequence: PHYS 111N & PHYS 112N or OEAS 110N & OEAS 112N or OEAS 111N & OEAS 112N

***Students must choose 16 elective hours at the 300 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 and may use no more than six credits of unstructured courses to satisfy the requirement (see below). Elective courses must be passed with a grade of C (2.0) or better unless they are specified as Pass/Fail courses, in which case they must be passed (P).

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 129 credit hours, which must include both a minimum of 33 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.