

## 2014 - 2015 Old Dominion University Catalog

### Bachelor of Science in Biology (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)	
<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*
Oral Communication	<a href="#">Transfer Guide</a>	Human Creativity	<a href="#">Transfer Guide</a>
MATH 162M	MTH 163*	Interpreting the Past	<a href="#">Transfer Guide</a>
Language and Culture I (May be waived, see catalog for details)	<a href="#">Transfer Guide</a>	Language and Culture II (May be waived, see catalog for details)	<a href="#">Transfer Guide</a>
BIOL 121N & 122N	<a href="#">Transfer Guide*</a>	BIOL 123N & 124N	<a href="#">Transfer Guide*</a>

#### YEAR 2 - SOPHOMORE (30 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
Literature	<a href="#">Transfer Guide</a>	Impact of Technology	<a href="#">Transfer Guide</a>
PHYS 111N, OEAS 110N or OEAS 111N** (4 credits)	PHY 111, 121, 201, GOL 110 or GOL 105*	PHYS 112N or OEAS 112N** (4 credits)	PHYS 112, 122, 202 or GOL 106*
STAT 130M	MTH 146, 157, 240, 241 or 242*	Human Behavior	<a href="#">Transfer Guide</a>
Information Literacy and Research: CS 121G	<a href="#">Transfer Guide*</a>	Philosophy and Ethics	<a href="#">Transfer Guide</a>
		MATH 200	MTH 270 or 271*

#### YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 291		BIOL 303	
BIOL 292		CHEM 123 & 124N (4 credits)	CHM 112*
CHEM 121 & 122N (4 credits)	CHM 111*	Biology Elective***	
CHEM 211	CHM 241*	Biology Elective***	
<u>Upper Division Gen. Ed. Coursework:</u>		<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level Option D		300-/400-level Option D	

#### YEAR 4 - SENIOR (26 CREDITS)

FALL SEMESTER (12 credits)		SPRING SEMESTER (14 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 405W		Biology Elective***	
Biology Elective***		Biology Elective***	
BIOL 293		CHEM Elective 200-level or higher (5 credits)	CHM 242 and 243, 244, 245 or 246*
<u>Upper Division Gen. Ed. Coursework:</u>		<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level Option D		300-/400-level Option D course	

\*\*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. A minimum of three of the courses must have a structured laboratory/field component BIOL 368 (Internship) and BIOL 369 (Practicum) courses cannot be used to satisfy this requirement. 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. 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).

Professional Concentration: Students seeking careers in medicine, dentistry, osteopathy, optometry or podiatry should request advisement from Dr. Ralph Stevens, the prehealth advisor, once they are admitted to ODU. Science courses required by all of the mentioned professional programs are: BIOL 115N & 116N, CHEM 121N & 122N, CHEM 123N & 124N, CHEM 211, 212 & 213, PHYS 111N & 112N or PHYS 231N & 232N, and MATH 200.

Students may take advantage of several non-classroom experiences ("Unstructured Courses") offered by the Department of Biological Sciences and may receive elective credit for these experiences. These include BIOL 368 (Internship), BIOL 369 (Practicum), BIOL 497 (Undergraduate Research) and BIOL 498 (Independent Study). See individual course descriptions and the chief departmental advisor for more information about these opportunities.

Consult with your advisor and the ODU Catalog for Upper Division General Education Coursework.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University, completion of ENGL 110C, ENGL 211C or 221C or 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.