

## 2017 - 2018 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.  
Courses in green are waived by the completion of an Associate degree (Not eligible for Applied Associate degrees).*

### 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 161 or 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>
Information Literacy and Research: CS 121G*	<a href="#">Transfer Guide</a>	Human Behavior	<a href="#">Transfer Guide</a>
Impact of Technology	<a href="#">Transfer Guide</a>	Philosophy and Ethics	<a href="#">Transfer Guide</a>
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
STAT 130M*	MTH 146, 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

### YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
Literature	<a href="#">Transfer Guide</a>	BIOL 303	
<u>Major Coursework:</u>		PHYS 112N or OEAS 112N** (4 credits)*	PHYS 112, 122, 202 or GOL 106
PHYS 111N, OEAS 110N or OEAS 111N** (4 credits)*	PHY 111, 121, 201, GOL 110 or GOL 105	CHEM Elective 200-level or higher (excluding CHEM 343T)*	CHM 242 and 243, 244, 245 or 246
BIOL 293		300 level Biology Elective***	
CHEM 211*	CHM 241		
300 level Biology Elective***			

### YEAR 4 - SENIOR (26 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 405W, 423W, 430W, 436W, or 488W		300 level Biology Elective***	
300 level Biology Elective***		<u>Upper Division Gen. Ed. Coursework:</u>	
300 level Biology Elective***		300-/400-level Option D or Approved Minor	
<u>Upper Division Gen. Ed. Coursework:</u>		300-/400-level Option D or Approved Minor	
300-/400-level Option D or Approved Minor		300-/400-level Option D or Approved Minor	

\*\*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 the four credits of BIOL 251 taken at Old Dominion University towards the upper-division elective requirements. No 200 level transfer credits can be used towards the elective courses. Students 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).

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 367 (Cooperative Education), BIOL 368 (Internship), BIOL 369 (Practicum), BIOL 497 (Undergraduate Research) and BIOL 498 (Independent Study). BIOL 367,368,369 and 498 cannot be used to satisfy the lab/field requirement but can be used to satisfy one of the required 16 elective hours. 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.