

2015 - 2016 Old Dominion University Catalog

Bachelor of Science in Biology

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

YEAR 1 - FRESHMAN (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>		<u>General Education Coursework:</u>	
ENGL 110C	3	ENGL 231C	3
Oral Communication	3	Human Creativity	3
MATH 162M	3	Interpreting the Past	3
Language and Culture I (May be waived, see catalog for details)	3	Language and Culture II (May be waived, see catalog for details)	3
BIOL 121N/122N	4	BIOL 123N/124N	4

YEAR 2 - SOPHOMORE (30 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>		<u>General Education Coursework:</u>	
Information Literacy and Research: CS 121G required	3	Human Behavior	3
Impact of Technology	3	Philosophy and Ethics	3
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
STAT 130M	3	BIOL 292	3
BIOL 291	3	MATH 200	3
CHEM 121N/122N	4	CHEM 123N/124N	4

YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>		<u>Major Coursework:</u>	
Literature	3	CHEM Elective 200-level or higher	5
<u>Major Coursework:</u>		PHYS 112N or OEAS 112N**	4
PHYS 111N, OEAS 110N or OEAS 111N**	4	BIOL 303	3
CHEM 211	3	300 level Biology Elective***	4
BIOL 293	3		
300 level Biology Elective***	3		

YEAR 4 - SENIOR (26 CREDITS)

FALL SEMESTER (14 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
BIOL 405W, 423W, 430W, 436W, or 488W	3	300 level Biology Elective***	3
300 level Biology Elective***	4	<u>Upper Division Gen. Ed. Coursework:</u>	
300 level Biology Elective***	4	300-/400-level Option D or Approved Minor	3
<u>Upper Division Gen. Ed. Coursework:</u>		300-/400-level Option D or Approved Minor	3
300-/400-level Option D or Approved Minor	3	300-/400-level Option D or Approved Minor	3

**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 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.

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.

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.