

2025 - 2026 Old Dominion University Catalog

Bachelor of Science in Biology with a Major in Biomedical Sciences (BS) (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 (28 CREDITS)

FALL SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 110C*	ENG 111
MATH 162M*	MTH 161 or 163
BIOL 121N & 122N*	BIO 101
CHEM 121N & 122N*	CHM 111

SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
ENGL 221C 231C*	ENG 115 or 131
MATH 205 or 211*	MTH 173 or 263
BIOL 123N & 124N*	BIO 102
CHEM 123N & 124N*	CHM 112

YEAR 2 - SOPHOMORE (29 CREDITS)

FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 240 or 250*	BIO 141
BIOL 293	
STAT 130M*	MTH 146, 155, 157, 240, 241, 242 or 245
CHEM 211 & CHEM 212 (5 credits)*	CHM 241 & 243

SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 241 or 251*	BIO 142
BIOL 294	
PHYS 111N*	PHY 111, 121 or 201
Human Behavior	Transfer Equivalency Guide

YEAR 3 - JUNIOR (32-33 CREDITS)

FALL SEMESTER (15 credits)

<u>Major Coursework:</u>	
BIOL 300 or CHEM 441**	
BIOL 302	
Information Literacy and Research: CS 121G, CS 126G, or OEAS 130G required*	Transfer Equivalency Guide
300/400 level Biology Elective**	
Oral Communication	Transfer Equivalency Guide
Language and Culture I (May be waived, see catalog for details)	Transfer Equivalency Guide

SPRING SEMESTER (17-18 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 316	
BIOL 317	
300/400 level Biology Elective**	
Human Creativity	Transfer Equivalency Guide
Literature	Transfer Equivalency Guide
Language and Culture II (May be waived, see catalog for details)	Transfer Equivalency Guide

YEAR 4 - SENIOR (31-33 CREDITS)

FALL SEMESTER (16 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 300/400 Writing Intensive Course**	
BIOL 440, 416, 454, or 476	
Interpreting the Past	Transfer Equivalency Guide
Elective**	
<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level Option D or Approved Minor**	

SPRING SEMESTER (15-17 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
300/400 level Biology Elective**	
300/400 level Biology Elective**	
Impact of Technology	Transfer Equivalency Guide
Philosophy and Ethics	Transfer Equivalency Guide
<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level Option D or Approved Minor**	

****Consult with your advisor, Degree Works and the ODU Catalog.**

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 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.

This four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.