

2024- 2025 Old Dominion University Catalog

Bachelor of Science in Biochemistry (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 (32 CREDITS)

FALL SEMESTER (17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 121N/122N*	CHM 111
MATH 163*	MTH 162, 164 or 167
BIOL 121N & 122N*	BIO 101
ENGL 110C*	ENG 111
Information Literacy and Research -CHEM 160G	

SPRING SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 123N/124N* or 125*	CHM 112
MATH 211(4credits)*	MTH 173, 263 or 273
BIOL 123N & 124N*	BIO 102
ENGL 211C or 231C*	ENG 112, 210, 115 OR 131

YEAR 2 - SOPHOMORE (28 CREDITS)

FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 211 & CHEM 212*	CHM 241 & 243
MATH 212 (4credits)*	MTH 174, 264, or 274
COMM 101R*	CST 105 or 110
Language and Culture I (May be waived, see catalog for details)	Transfer Equivalency Guide

SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 213 & 214 or CHEM 216*	CHM 242 & 244 or 246
Elective**	PHY 231 or 241
Human Behavior	Transfer Equivalency Guide
Language and Culture II (May be waived, see catalog for details)	Transfer Equivalency Guide

YEAR 3 - JUNIOR (28 CREDITS)

FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 321 & 322 (5 credits)	
PHYS 231N*	
BIOL 293	
CHEM 441	

SPRING SEMESTER (13 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 443	
PHYS 232N*	PHY 232 or 242
CHEM 442W	
Elective**	

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
BIOL 294	
CHEM 331	
Interpreting the Past	Transfer Equivalency Guide
Philosophy and Ethics	Transfer Equivalency Guide
Upper Division Gen. Ed. Coursework:**	
300-/400-level Option D course	

SPRING SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 485 (1 credit)	
CHEM 333	
Impact of Technology	Transfer Equivalency Guide
Human Creativity	Transfer Equivalency Guide
Literature	Transfer Equivalency Guide
Upper Division Gen. Ed. Coursework:**	
300-/400-level Option D course	

**Please consult with catalog and advisor for appropriate coursework.

Note: Upper division general education (minor) has other options, see catalog for requirements.

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.