

2024 - 2025 Old Dominion University Catalog

Bachelor of Science in Chemistry with a Major in Chemistry - Research (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 (26-30 CREDITS)

FALL SEMESTER (13 credits)

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

SPRING SEMESTER (14-17 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 123N/124N or CHEM 125	CHM 112*
MATH 211	MTH 173, 263, or 273*
ENGL 211C or 231C	ENG 112, 210, 115 OR 131*
Philosophy and Ethics	Transfer Equivalency Guide

YEAR 2 - SOPHOMORE (32 CREDITS)

FALL SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 211 & CHEM 212 (5 credits)	CHM 241 & 243 or 245*
MATH 212	MTH 174, 264, or 274*
PHYS 231N	PHY 231 or 241*
Human Creativity	Transfer Equivalency Guide

SPRING SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 213 & 214 or 216 (5 credits)	CHM 242 & 244 or 246*
CHEM 321&322 (5 credits)	
PHYS 232N	PHY 232 or 242*
Elective	

YEAR 3 - JUNIOR (30-32 CREDITS)

FALL SEMESTER (16-18 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 331	
CHEM 352 or 442W (2-4 credits)	
CHEM 351	
CHEM 441	
CHEM 332W (2 credits)	

SPRING SEMESTER (14 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 333	
CHEM 334W (2 credits)	
CHEM 415, 439, 443, or 451	
COMM 101R	CST 100, 105 or 110*
Literature	Transfer Equivalency Guide

YEAR 4 - SENIOR (29 CREDITS)

FALL SEMESTER (15 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 415, 439, 443, or 451	
Interpreting the Past	Transfer Equivalency Guide
Human Behavior	Transfer Equivalency Guide
Language and Culture I (May be waived, see catalog for details)	Transfer Equivalency Guide
<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level Option D course	

SPRING SEMESTER (16 credits)

<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 421&422 (6 credits)	
CHEM 485 (1 credit)	
Impact of Technology	Transfer Equivalency Guide
Language and Culture II (May be waived, see catalog for details)	Transfer Equivalency Guide
<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level Option D course	

**Consult catalog and with advisor for options.

Note: Upper division general education may require more than two courses.

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.