

2016 - 2017 Old Dominion University Catalog

Bachelor of Science in Chemistry (Teaching Licensure) (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 (31 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (16 credits)	
<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education and Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 121N/122N	CHM 111*	CHEM 123N/124N (or CHEM 137N/138N)	CHM 112*
MATH 163	MTH 164*	MATH 211 (4 credits)	MTH 173 or 273*
PHYS 231N	PHY 231 or 241*	PHYS 232N	PHY 232 or 242*
ENGL 110C	ENG 111*	ENGL 211C, 221C, or 231C	ENG 112, 210, 115 OR 131*
<u>Professional Education Coursework:</u>		<u>Professional Education Coursework:</u>	
STEM 101 (1 credit)		STEM 102 (1 credit)	

YEAR 2 - SOPHOMORE (39 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 211-CHEM 212 (5 credits)	CHM 241 & 243*	Information Literacy and Research	Transfer Guide
MATH 212 (4 credits)	MTH 174 or 274*	<u>Major Coursework:</u>	
COMM 101R	CST 100, 105 or 110*	MATH 312 (4 credits)	MTH 275 or 277*
		CHEM 213-214 (5 credits)	CHM 242 & 244 or 246*
<u>Professional Education Coursework:</u>		<u>Professional Education Coursework:</u>	
STEM 201		STEM 202	

SUMMER SEMESTER (9 credits)

<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
Interpreting the Past	Transfer Guide
Human Behavior	Transfer Guide
Human Creativity	Transfer Guide

YEAR 3 - JUNIOR (36 CREDITS)

FALL SEMESTER (15 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>	<u>General Education Coursework:</u>	<u>VCCS Equivalency:</u>
Philosophy and Ethics	Transfer Guide	Literature	Transfer Guide
Impact of Technology	Transfer Guide	<u>Major Coursework:</u>	
<u>Major Coursework:</u>		CHEM 449	
CHEM 441		CHEM 332W (2 credits)	
CHEM 351		CHEM 321 & 322 (5 credits)	
CHEM 331		<u>Professional Education Coursework:</u>	
		CHEM 468	

SUMMER SEMESTER (5 credits)

<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 333 & 334W (5 credits)	

YEAR 4 - SENIOR (26-29 CREDITS)

FALL SEMESTER (14-17 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u>	<u>VCCS Equivalency:</u>	<u>Professional Education Coursework:</u>	<u>VCCS Equivalency:</u>
CHEM 421 & 422 (6 credits)		STEM 485 (9 credits)	
CHEM 485 (1 credit)		STEM 402	
CHEM 352, 442W, 452, 497, or 498 (1-4)			
CHEM 411, 415, 443, or 451			
<u>Professional Education Coursework:</u>			
STEM 401			

Language and Culture may be waived, see ODU catalog.

Note: Upper division general education is satisfied through the Professional Education Core Courses.

Requirements for graduation include a minimum cumulative grade point average of 2.75 GPA, in the major area, and in the professional education core, with no grade less than a C in the major and C- in the professional education core; successful completion of the Teacher Candidate Internship and a minimum of 135 credit hours, which must include both a minimum of 34 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.