

**2015 - 2016 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.*

**YEAR 1 - FRESHMAN (36 CREDITS)**

**FALL SEMESTER (18 credits)**

**SPRING SEMESTER (18 credits)**

General Education Coursework:  
 CHEM 121N/122N  
 MATH 162M  
 PHYS 231N  
 ENGL 110C  
 Language and Culture I  
 (May be waived, see catalog for details)  
Professional Education Coursework:  
 STEM 101 (1 credit)

VCCS Equivalency:  
 CHM 111\*  
 MTH 163\*  
 PHY 231 or 241\*  
 ENG 111\*  
[Transfer Guide](#)

General Education Coursework:  
 CHEM 123N/124N (or CHEM 137N/138N)  
 MATH 163  
 PHYS 232N  
 ENGL 211C, 221C, or 231C  
 Language and Culture II  
 (May be waived, see catalog for details)  
Professional Education Coursework:  
 STEM 102 (1 credit)

VCCS Equivalency:  
 CHM 112\*  
 MTH 164\*  
 PHY 232 or 242\*  
 ENG 112, 210, 115 OR 131\*  
[Transfer Guide](#)

**YEAR 2 - SOPHOMORE (39 CREDITS)**

**FALL SEMESTER (15 credits)**

**SPRING SEMESTER (15 credits)**

Major Coursework:  
 CHEM 211-CHEM 212 (5 credits)  
 MATH 211 (4 credits)  
 COMM 101R  
  
Professional Education Coursework:  
 STEM 201

VCCS Equivalency:  
 CHM 241 & 243\*  
 MTH 173 or 273\*  
 CST 100, 105 or 110\*

General Education Coursework:  
 Information Literacy and Research  
Major Coursework:  
 MATH 212 (4 credits)  
 CHEM 213-214 (5 credits)  
Professional Education Coursework:  
 STEM 202

VCCS Equivalency:  
[Transfer Guide](#)  
  
 MTH 174 or 274\*  
 CHM 242 & 244 or 246\*

**SUMMER SEMESTER (9 credits)**

General Education Coursework:  
 Interpreting the Past  
 Human Behavior  
 Human Creativity

VCCS Equivalency:  
[Transfer Guide](#)  
[Transfer Guide](#)  
[Transfer Guide](#)

**YEAR 3 - JUNIOR (37 CREDITS)**

**FALL SEMESTER (16 credits)**

**SPRING SEMESTER (16 credits)**

General Education Coursework:  
 Philosophy and Ethics  
Major Coursework:  
 CHEM 441  
 CHEM 351  
 MATH 312 (4 credits)  
 CHEM 331

VCCS Equivalency:  
[Transfer Guide](#)

General Education Coursework:  
 Literature  
Major Coursework:  
 CHEM 449  
 CHEM 332W (2 credits)  
 CHEM 321 & 322 (5 credits)  
Professional Education Coursework:  
 SCI 468

VCCS Equivalency:  
[Transfer Guide](#)

**SUMMER SEMESTER (5 credits)**

Major Coursework:  
 CHEM 333 & 334W (5 credits)

VCCS Equivalency:

**YEAR 4 - SENIOR (28 CREDITS)**

**FALL SEMESTER (16 credits)**

**SPRING SEMESTER (12 credits)**

General Education Coursework:  
 Impact of Technology  
Major Coursework:  
 CHEM 421 & 422 (6 credits)  
 CHEM 485 (1 credit)  
 CHEM 352, 442W, 452, 497, or 498  
Professional Education Coursework:  
 STEM 401

VCCS Equivalency:  
[Transfer Guide](#)

Major Coursework:  
 STEM 485 (9 credits)  
 STEM 402

VCCS Equivalency:

Language and Culture may be waived, see ODU catalog for exemptions.

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.