

2017 - 2018 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 (29 CREDITS)

FALL SEMESTER (14 credits)

SPRING SEMESTER (15 credits)

General Education and Major Coursework:

VCCS Equivalency:

General Education and Major Coursework:

VCCS Equivalency:

CHEM 121N/122N(4 credits)

CHM 111*

CHEM 123N/124N (4 credits)

CHM 112*

MATH 163

MTH 162, 164 or 167*

MATH 211 (4 credits)

MTH 173, 263 or 273*

Information Literacy and Research

[Transfer Guide](#)

COMM 101R

CST 100, 105 or 110*

ENGL 110C

ENG 111*

ENGL 211C, 221C, or 231C

ENG 112, 210, 115 OR 131*

Professional Education Coursework:

Professional Education Coursework:

STEM 101 (1 credit)

STEM 102 (1 credit)

YEAR 2 - SOPHOMORE (41 CREDITS)

FALL SEMESTER (16 credits)

SPRING SEMESTER (16 credits)

Major Coursework:

VCCS Equivalency:

Major Coursework:

VCCS Equivalency:

CHEM 211-CHEM 212 (5 credits)

CHM 241 & 243*

PHYS 232N(4 credits)

PHY 232 or 242*

MATH 212 (4 credits)

MTH 174, 264, or 274*

MATH 312 (4 credits)

MTH 275 or 277*

PHYS 231N(4 credits)

PHY 231 or 241*

CHEM 213-214 (5 credits)

CHM 242 & 244 or 246*

Professional Education Coursework:

Professional Education Coursework:

STEM 201

STEM 202

SUMMER SEMESTER (9 credits)

General Education Coursework:

VCCS Equivalency:

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)

General Education Coursework:

VCCS Equivalency:

General Education Coursework:

VCCS Equivalency:

Impact of Technology

[Transfer Guide](#)

Literature

[Transfer Guide](#)

Philosophy and Ethics

[Transfer Guide](#)

Major Coursework:

Major Coursework:

CHEM 449

CHEM 441

CHEM 332W (2 credits)

CHEM 351

CHEM 321 & 322 (5 credits)

CHEM 331

Professional Education Coursework:

CHEM 468

SUMMER SEMESTER (5 credits)

Major Coursework:

VCCS Equivalency:

CHEM 333 & 334W (5 credits)

YEAR 4 - SENIOR (26-29 CREDITS)

FALL SEMESTER (14-17 credits)

SPRING SEMESTER (12 credits)

Major Coursework:

VCCS Equivalency:

Professional Education Coursework:

VCCS Equivalency:

CHEM 421 & 422 (6 credits)

STEM 485 (9 credits)

CHEM 485 (1 credit)

STEM 402

CHEM 352, 442W, 452, or 490/499 (1-4)

CHEM 415, 443, or 451

Professional Education Coursework:

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.