

2020 - 2021 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). Associate in Science recommended for ease of transfer.*

YEAR 1 - FRESHMAN (29 CREDITS)

FALL SEMESTER (14 credits)

General Education and Major Coursework:

CHEM 121N/122N(4 credits)

MATH 163

Information Literacy and Research

ENGL 110C

Professional Education Coursework:

STEM 101 (1 credit)

VCCS Equivalency:

CHM 111*

MTH 162, 164 or 167*

[Transfer Guide](#)

ENG 111*

SPRING SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 123N/124N (4 credits)

MATH 211 (4 credits)

COMM 101R

ENGL 211C, 221C, or 231C

Professional Education Coursework:

STEM 102 (1 credit)

VCCS Equivalency:

CHM 112*

MTH 173, 263 or 273*

CST 100, 105 or 110*

ENG 112, 210, 115 OR 131*

YEAR 2 - SOPHOMORE (40 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:

CHEM 211-CHEM 212 (5 credits)

MATH 212 (4 credits)

PHYS 231N(4 credits)

Professional Education Coursework:

STEM 201

VCCS Equivalency:

CHM 241 & 243*

MTH 174, 264, or 274*

PHY 231 or 241*

SPRING SEMESTER (15 credits)

General Education Coursework:

Literature

Major Coursework:

PHYS 232N(4 credits)

CHEM 213-214 (5 credits)

Professional Education Coursework:

STEM 202

VCCS Equivalency:

[Transfer Guide](#)

PHY 232 or 242*

CHM 242 & 244 or 246*

SUMMER SEMESTER (9 credits)

General Education Coursework:

Interpreting the Past

Human Behavior

VCCS Equivalency:

[Transfer Guide](#)

[Transfer Guide](#)

YEAR 3 - JUNIOR (33 CREDITS)

FALL SEMESTER (17 credits)

General Education Coursework:

Impact of Technology

Philosophy and Ethics

Major Coursework:

CHEM 441

CHEM 351

CHEM 321 and CHEM 322 (5 credits)

VCCS Equivalency:

[Transfer Guide](#)

[Transfer Guide](#)

SPRING SEMESTER (16 credits)

General Education Coursework:

Human Creativity

Major Coursework:

CHEM 449

CHEM 332W (2 credits)

CHEM 331

CHEM 333 & 334W (5 credits)

VCCS Equivalency:

[Transfer Guide](#)

YEAR 4 - SENIOR (32 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:

CHEM 352 or CHEM 442W (2-4 credits)

CHEM 421 & 422 (6 credits)

Professional Education Coursework:

STEM 401

CHEM 468

VCCS Equivalency:

Major Coursework:

CHEM 415 or CHEM 439 or CHEM 443 or CHEM 451

CHEM 485 (1 credit)

Professional Education Coursework:

STEM 485 (9 credits)

STEM 402

SPRING SEMESTER (16 credits)

VCCS Equivalency:

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog.

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

Consult with your advisor and the ODU Catalog for Upper Division General Education Coursework.

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.