

2019 - 2020 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 (41 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 (16 credits)

Major Coursework:
 PHYS 232N(4 credits)
 MATH 312 (4 credits)
 CHEM 213-214 (5 credits)
Professional Education Coursework:
 STEM 202

VCCS Equivalency:
 PHY 232 or 242*
 MTH 275 or 277*
 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 (35-37 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 (13-15 credits)

General Education Coursework:
Literature
Major Coursework:
 CHEM 449
 CHEM 332W (2 credits)
 CHEM 352 or CHEM 442W (2-4 credits)
 CHEM 331

VCCS Equivalency:
[Transfer Guide](#)

SUMMER SEMESTER (5 credits)

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

VCCS Equivalency:

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:
Human Creativity
 CHEM 421 & 422 (6 credits)
 CHEM 485 (1 credit)
Professional Education Coursework:
 STEM 401
 CHEM 468

VCCS Equivalency:
[Transfer Guide](#)

SPRING SEMESTER (15 credits)

Major Coursework:
 CHEM 415 or CHEM 439 or CHEM 443 or CHEM 451
Professional Education Coursework:
 STEM 485 (9 credits)
 STEM 402

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.

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.