

2018 - 2019 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)

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
Human Creativity

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

YEAR 3 - JUNIOR (36 CREDITS)

FALL SEMESTER (15 credits)

General Education Coursework:
Impact of Technology
Philosophy and Ethics
Major Coursework:
CHEM 441
CHEM 351
CHEM 331

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

SPRING SEMESTER (16 credits)

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

VCCS Equivalency:
[Transfer Guide](#)

SUMMER SEMESTER (5 credits)

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

VCCS Equivalency:

YEAR 4 - SENIOR (27-30 CREDITS)

FALL SEMESTER (15-18 credits)

Major Coursework:
CHEM 421 & 422 (6 credits)
CHEM 485 (1 credit)
CHEM 352 or 442W (2-4 credits)
CHEM 415, 439, 443, or 451
Professional Education Coursework:
STEM 401

VCCS Equivalency:

SPRING SEMESTER (12 credits)

Professional Education Coursework:
STEM 485 (9 credits)
STEM 402

VCCS Equivalency:

This curriculum sheet 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.