

2022 - 2023 Old Dominion University Catalog

Bachelor of Science in Biochemistry -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 (31 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:
CHEM 121N/122N(4 credits)
MATH 163
BIOL 121N & 122N (4 credits)
ENGL 110C
Professional Education Coursework:
STEM 101 (1 credit)

VCCS Equivalency:
CHM 111*
MTH 162, 164 or 167*
BIO 101*
ENG 111*

SPRING SEMESTER (16 credits)

General Education and Major Coursework:
CHEM 123N/124N (4 credits)
MATH 211 (4 credits)
BIOL 123N & 124N (4 credits)
ENGL 211C, 221C, or 231C
Professional Education Coursework:
STEM 102 (1 credit)

VCCS Equivalency:
CHM 112*
MTH 173, 263 or 273*
BIO 102*
ENG 112, 210, 115 OR 131*

YEAR 2 - SOPHOMORE (35 CREDITS)

FALL SEMESTER (15 credits)

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

VCCS Equivalency:
CHM 241 & 243*
MTH 174, 264, or 274*
CST 100, 105 or 110*

SPRING SEMESTER (14 credits)

Major Coursework:
CHEM 213-214 (5 credits)
Professional Education Coursework:
STEM 202
General Education Coursework:
Information Literacy and Research -CHEM 160G
Philosophy and Ethics

VCCS Equivalency:
CHM 242 & 244 or 246*

[Transfer Guide](#)

SUMMER SEMESTER (6 credits)

General Education Coursework:
Interpreting the Past
Human Creativity

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

YEAR 3 - JUNIOR (32 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:
PHYS 231N(4 credits)
CHEM 321 and CHEM 322 (5 credits)
BIOL 293
Professional Education Coursework:
STEM 401

VCCS Equivalency:
PHY 231 or 241*

SPRING SEMESTER (17 credits)

Major Coursework:
PHYS 232N(4 credits)
CHEM 441
CHEM 442W (4 credits)
Human Behavior: GEOG 101S
Professional Education Coursework:
STEM 402

VCCS Equivalency:
PHY 232 or 242*

GEO 200*

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:
CHEM 331
BIOL 294
CHEM 443
CHEM 468
General Education Coursework:
Impact of Technology

VCCS Equivalency:
[Transfer Guide](#)

SPRING SEMESTER (16 credits)

Major Coursework:
CHEM 485 (1 credit)
CHEM 333
Professional Education Coursework:
STEM 485 (9 credits)
General Education Coursework:
Literature

VCCS Equivalency:
[Transfer Guide](#)

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.

This four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.