

2019 - 2020 Old Dominion University Catalog

Bachelor of Science in Biochemistry (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*
MATH 163*
BIOL 121N & 122N*
ENGL 110C*

VCCS Equivalency:

CHM 111
MTH 162, 164 or 167
BIO 101
ENG 111

SPRING SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 123N/124N*
MATH 211(4credits)*
BIOL 123N & 124N*
ENGL 211C, 221C, or 231C*

VCCS Equivalency:

CHM 112
MTH 173, 263 or 273
BIO 102
ENG 112, 210, 115 OR 131

YEAR 2 - SOPHOMORE (30 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 211 & CHEM 212*
Language and Culture I (May be waived, see catalog for details)
MATH 212 (4credits)*
COMM 101R*

VCCS Equivalency:

CHM 241 & 243
[Transfer Guide](#)
MTH 174, 264, or 274
CST 100, 105 or 110

SPRING SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 213 & 214*
Language and Culture II (May be waived, see catalog for details)
MATH 312
Information Literacy and Research

VCCS Equivalency:

CHM 242 & 244 or 246
[Transfer Guide](#)
[Transfer Guide](#)

YEAR 3 - JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 321 & 322 (5 credits)
PHYS 231N*
BIOL 293
CHEM 441

VCCS Equivalency:

PHY 231 or 241

SPRING SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 443
Human Behavior
PHYS 232N*
CHEM 442W
Elective**

VCCS Equivalency:

[Transfer Guide](#)
PHY 232 or 242

YEAR 4 - SENIOR (31 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:

Interpreting the Past
Philosophy and Ethics
BIOL 303
CHEM 331
Upper Division Gen. Ed. Coursework:**
300-/400-level Option D course

VCCS Equivalency:

[Transfer Guide](#)
[Transfer Guide](#)

SPRING SEMESTER (16 credits)

General Education and Major Coursework:

CHEM 485 (1 credit)
CHEM 333
Literature
Impact of Technology
Human Creativity
Upper Division Gen. Ed. Coursework:**
300-/400-level Option D course

VCCS Equivalency:

[Transfer Guide](#)
[Transfer Guide](#)
[Transfer Guide](#)

**Please refer to the catalog and consult with your advisor for appropriate elective coursework.

Note: Upper division general education may require more than two courses and a minor in Chemistry may not be used to fulfill the upper-division general education requirement.

Requirements for graduation include a minimum cumulative grade point average of 2.00 overall and in the major, a grade of C or better in all courses required for the major, including prerequisite courses, 120 credit hours, which must include both a minimum of 30 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.