

2022- 2023 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 or CHEM 216*
Language and Culture II (May be waived, see catalog for details)

Information Literacy and Research -CHEM 160G

Elective**

VCCS Equivalency:

CHM 242 & 244 or 246
[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 294
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.

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.