

**2015 - 2016 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.*

**YEAR 1 - FRESHMAN (34 CREDITS)**

**FALL SEMESTER (17 credits)**

General Education Coursework:

CHEM 121N/122N\*  
 MATH 162M\*  
 BIOL 121N & 122N\*  
 ENGL 110C\*  
 Language and Culture I  
 (May be waived, see catalog for details)

VCCS Equivalency:

CHM 111  
 MTH 163  
[Transfer Guide](#)  
 ENG 111  
[Transfer Guide](#)

**SPRING SEMESTER (17 credits)**

General Education Coursework:

CHEM 123N/124N\*  
 MATH 163\*  
 BIOL 123N & 124N\*  
 ENGL 211C, 221C, or 231C\*  
 Language and Culture II  
 (May be waived, see catalog for details)

VCCS Equivalency:

CHM 112  
 MTH 164  
[Transfer Guide](#)  
 ENG 112, 210, 115 OR 131  
[Transfer Guide](#)

**YEAR 2 - SOPHOMORE (30 CREDITS)**

**FALL SEMESTER (15 credits)**

General Education Coursework:

CHEM 211 & CHEM 212\*  
 Philosophy and Ethics  
 MATH 211(4credits)\*  
 COMM 101R\*

VCCS Equivalency:

CHM 241 & 243  
[Transfer Guide](#)  
 MTH 173 or 273  
 CST 100, 105 or 110

**SPRING SEMESTER (15 credits)**

General Education Coursework:

CHEM 213 & 214\*  
 Human Creativity  
 MATH 212 (4credits)\*  
 Information Literacy and Research

VCCS Equivalency:

CHM 242 & 244 or 246  
[Transfer Guide](#)  
 MTH 174 or 274  
[Transfer Guide](#)

**YEAR 3 - JUNIOR (33 CREDITS)**

**FALL SEMESTER (16 credits)**

Major Coursework:

CHEM 321 & 322 (5 credits)  
 PHYS 231N\*  
 MATH 312  
 CHEM 331

VCCS Equivalency:

PHY 231 or 241

**SPRING SEMESTER (17 credits)**

Major Coursework:

CHEM 443  
 Human Behavior  
 PHYS 232N\*  
 CHEM 333  
 Chemistry elective \*\*

VCCS Equivalency:

[Transfer Guide](#)  
 PHY 232 or 242

**YEAR 4 - SENIOR (30 CREDITS)**

**FALL SEMESTER (16 credits)**

General Education and Major Coursework:

Interpreting the Past  
 CHEM 442W  
 BIOL 293  
 CHEM 441

VCCS Equivalency:

[Transfer Guide](#)

**SPRING SEMESTER (14 credits)**

General Education and Major Coursework:

CHEM 485  
 BIOL 303  
 Literature  
 Impact of Technology  
Upper Division Gen. Ed. Coursework:  
 300-/400-level Option D course

VCCS Equivalency:

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

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

Language and Culture may be waived, see ODU catalog for exemptions.

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.