

2025 - 2026 Old Dominion University Catalog

Bachelor of Science in Chemistry with a Major in Chemistry Pre-Med (BS) (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 (31-32 CREDITS)

FALL SEMESTER (17 credits)

General Education and Major Coursework:

CHEM 121N & 122N*

BIOL 121N & 122N*

ENGL 110C*

MATH 163 or 205*

Information Literacy and Research -CHEM 160G

VCCS Equivalency:

CHM 111

BIO 101

ENG 111

MTH 162, 164, 173 or 263

SPRING SEMESTER (14-15 credits)

General Education and Major Coursework:

CHEM 123N & 124N or 125*

BIOL 123N & 124N*

STAT 130M*

ENGL 211C or 231C*

VCCS Equivalency:

CHM 112

BIO 102

MTH 146, 155, 157, 240, 241, 242 or 245

ENG 115 or 131

YEAR 2 - SOPHOMORE (30 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 211 & CHEM 212 (5 credits)*

PHYS 111N*

BIOL 293

PSYC 201S*

VCCS Equivalency:

CHM 241 & 243 or 245

PHY 111, 121 or 201

PSY 200 or 201

SPRING SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 213 & 214 or 216 (5 credits)*

PHYS 112N*

BIOL 294

SOC 201S (Meets Human Behavior)*

VCCS Equivalency:

CHM 242 & 244 or 246

PHY 112, 122 or 202

SOC 200, 201 or 202

YEAR 3 - JUNIOR (29-34 CREDITS)

FALL SEMESTER (15-18 credits)

General Education and Major Coursework:

BIOL 250*

CHEM 441

CHEM 321 & 322

CHEM 351

Language and Culture I (May be waived, see catalog for details)

BIO 141

[Transfer Equivalency Guide](#)

SPRING SEMESTER (14-17 credits)

General Education and Major Coursework:

BIOL 251*

Pre-Med Elective

CHEM 442W

COMM 101R*

Language and Culture II (May be waived, see catalog for details)

VCCS Equivalency:

BIO 142

CST 100 or 105

[Transfer Equivalency Guide](#)

YEAR 4 - SENIOR (30-31 CREDITS)

FALL SEMESTER (15 credits)

General Education and Major Coursework:

CHEM 421 and 422

PHIL 345E (Meets Philosophy and Ethics)

Interpreting the Past

Human Creativity

VCCS Equivalency:

[Transfer Equivalency Guide](#)

[Transfer Equivalency Guide](#)

SPRING SEMESTER (15-16 credits)

General Education and Major Coursework:

CHEM Elective**

CHEM 485

Impact of Technology

Literature

Upper Division Gen. Ed. Coursework:

300-/400-level Option D or Approved Minor**

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VCCS Equivalency:

[Transfer Equivalency Guide](#)

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****Consult with your advisor, Degree Works and the ODU Catalog.**

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 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.