## General Education and Major Coursework:

<table>
<thead>
<tr>
<th>FALL SEMESTER (14 credits)</th>
<th>SPRING SEMESTER (15 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VCCS Equivalency:</strong></td>
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<tr>
<td>CHEM 121N/122N*</td>
<td>CHEM 123N/124N*</td>
</tr>
<tr>
<td>MATH 163*</td>
<td>MATH 211(4 credits)*</td>
</tr>
<tr>
<td>BIOL 121N &amp; 122N*</td>
<td>BIO 123N &amp; 124N*</td>
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<tr>
<td>ENGL 110C*</td>
<td>BIOL 123N, 263 or 273</td>
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<td>ENG 111</td>
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<td>ENGL 211C, 221C, or 231C*</td>
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</tbody>
</table>

YEAR 1 - FRESHMAN (29 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 (4 credits)*
  - COMM 101R*

### SPRING SEMESTER (15 credits)

- General Education and Major Coursework:
  - CHM 241 & 243
  - Transfer Guide
  - MTH 174, 264, or 274
  - CST 100, 105 or 110

YEAR 2 - SOPHOMORE (30 CREDITS)

### FALL SEMESTER (15 credits)

- General Education and Major Coursework:
  - CHEM 321 & 322 (5 credits)
  - PHYS 231N*
  - BIOL 293
  - CHEM 441

### SPRING SEMESTER (15 credits)

- General Education and Major Coursework:
  - CHM 242 & 244 or 246
  - Transfer Guide
  - MATH 312
  - Information Literacy and Research

YEAR 3 - JUNIOR (30 CREDITS)

### FALL SEMESTER (15 credits)

- General Education and Major Coursework:
  - CHEM 331
  - Biology and Ethics
  - BIOL 303
  - CHEM 331

### SPRING SEMESTER (15 credits)

- General Education and Major Coursework:
  - CHEM 443
  - Transfer Guide
  - PHYS 232 or 242
  - Elective**

YEAR 4 - SENIOR (31 CREDITS)

### FALL SEMESTER (15 credits)

- General Education and Major Coursework:
  -CHEM 485 (1 credit)
  - Transfer Guide
  - CHEM 333
  - Transfer Guide

### SPRING SEMESTER (16 credits)

- General Education and Major Coursework:
  - Transfer Guide
  - Impact of Technology
  - Upper Division Gen. Ed. Coursework:**
  - 300-/400-level Option D course

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**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.