# 2020 - 2021 Old Dominion University Catalog

## Bachelor of Science in Biology (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 (32 CREDITS)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>VCCS Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>General Education Coursework:</td>
<td>ENGL 110C*</td>
</tr>
<tr>
<td>SPRING</td>
<td>General Education Coursework:</td>
<td>ENGL 231C*</td>
</tr>
</tbody>
</table>

### General Education Coursework:
- **ENGL 110C*:** English Composition I
- **ENGL 231C*:** English Composition II

### VCCS Equivalency:
- **ENGL 111:** English Composition I
- **ENGL 231C:** English Composition II

## Oral Communication

- **Transfer Guide**

## Human Creativity

- **Transfer Guide**

## Mathematics

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
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</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>MATH 162M*</td>
<td>MTH 161 or 163</td>
</tr>
<tr>
<td>SPRING</td>
<td>Interpreting the Past</td>
<td>Transfer Guide</td>
</tr>
</tbody>
</table>

### Mathematics Coursework:
- **MATH 162M*:** Calculus I

### VCCS Equivalency:
- **MTH 161 or 163:** Calculus I

## Interpreting the Past

- **Transfer Guide**

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

- **Transfer Guide**

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

- **Transfer Guide**

## Major Coursework:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>VCCS Equivalency</th>
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</thead>
<tbody>
<tr>
<td>FALL</td>
<td>Major Coursework:</td>
<td>CHEM 121N &amp; 122N*</td>
</tr>
<tr>
<td>SPRING</td>
<td>Major Coursework:</td>
<td>BIO 101</td>
</tr>
</tbody>
</table>

### Major Coursework:
- **CHEM 121N & 122N*:** General Chemistry I & II
- **BIO 101:** Introduction to Biology

### VCCS Equivalency:
- **BIO 101:** Introduction to Biology

## YEAR 2 - SOPHOMORE (33 CREDITS)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>VCCS Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>General Education Coursework:</td>
<td>STAT 130M*</td>
</tr>
<tr>
<td>SPRING</td>
<td>General Education Coursework:</td>
<td>MATH 205 or 211*</td>
</tr>
</tbody>
</table>

### General Education Coursework:
- **STAT 130M*:** Applied Statistics

### VCCS Equivalency:
- **MTH 173 or 263:** Applied Statistics

## Impact of Technology

- **Transfer Guide**

## Philosophy and Ethics

- **Transfer Guide**

## Literature

- **Transfer Guide**

## Major Coursework:

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>VCCS Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>Major Coursework:</td>
<td>PHYS 111N, OEAS 110N or OEAS 111N*</td>
</tr>
<tr>
<td>SPRING</td>
<td>Major Coursework:</td>
<td>BIOL 291</td>
</tr>
</tbody>
</table>

### Major Coursework:
- **PHYS 111N, OEAS 110N or OEAS 111N*:** Physics for Scientists and Engineers
- **BIOL 291:** General Zoology

### VCCS Equivalency:
- **BIO 293:** General Zoology

## Year 2 - Junior (32 CREDITS)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>VCCS Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>Major Coursework:</td>
<td>BIOL 251</td>
</tr>
<tr>
<td>SPRING</td>
<td>Major Coursework:</td>
<td>BIOL 292</td>
</tr>
</tbody>
</table>

### Major Coursework:
- **BIOL 251:** Animal Physiology
- **BIOL 292:** Animal Physiology

### VCCS Equivalency:
- **BIO 294:** Animal Physiology

## 300/400 level Biology Elective**

- **Approved Minor**

## Elective

- **Approved Minor**

## YEAR 4 - SENIOR (28 CREDITS)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Courses</th>
<th>VCCS Equivalency</th>
</tr>
</thead>
<tbody>
<tr>
<td>FALL</td>
<td>Major Coursework:</td>
<td>BIOL 368</td>
</tr>
<tr>
<td>SPRING</td>
<td>Major Coursework:</td>
<td>BIOL 369</td>
</tr>
</tbody>
</table>

### Major Coursework:
- **BIOL 368:** Internship
- **BIOL 369:** Practicum

### VCCS Equivalency:
- **BIOL 368:** Internship
- **BIOL 369:** Practicum

## Upper Division Gen. Ed. Coursework:

- **Approved Minor**

## YEAR 4 - SENIOR (28 CREDITS)

<table>
<thead>
<tr>
<th>Semester</th>
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<th>VCCS Equivalency</th>
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</thead>
<tbody>
<tr>
<td>FALL</td>
<td>Major Coursework:</td>
<td>BIOL 303</td>
</tr>
<tr>
<td>SPRING</td>
<td>Major Coursework:</td>
<td>BIOL 304</td>
</tr>
</tbody>
</table>

### Major Coursework:
- **BIOL 303:** Advanced Zoology I
- **BIOL 304:** Advanced Zoology II

### VCCS Equivalency:
- **BIOL 303:** Advanced Zoology I
- **BIOL 304:** Advanced Zoology II

## **Students must choose at least 30 elective hours at the 300-level or above from the courses offered by the Department of Biological Sciences. Some non-laboratory course options include: BIOL 302, BIOL 311, BIOL 331, BIOL 346, BIOL 355, BIOL 403, BIOL 416, BIOL 445, BIOL 446, and BIOL 494. A minimum of three of the courses must have a structured laboratory/field component. Some examples of these courses include BIOL 401W, BIOL 404, BIOL 415W, BIOL 420, BIOL 422, BIOL 424, BIOL 425, BIOL 441, BIOL 461, and BIOL 481W.

To be clear, BIOL 368 (Internship) and BIOL 369 (Practicum) courses cannot be used to satisfy the laboratory/field requirement. Additionally, transfer courses will not meet the laboratory/field component unless approved by the Biology curriculum committee. Transfer courses should be submitted to the College of Sciences Advising Office for consideration.

Students may use the four credits of BIOL 241 or BIOL 251 taken at Old Dominion University towards the upper-division elective requirements. However, no 200-level transfer credits can be used towards the elective courses.

Students may use no more than six credits of unstructured courses to satisfy the requirement (see below). Elective courses must be passed with a grade of C (2.0) or better unless they are specified as Pass/Fail courses, in which case they must be passed (P).

Consult with your advisor and the ODU Catalog for Upper Division General Education Coursework.

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.