

## 2022-2023 Old Dominion University Catalog

### Bachelor of Science in Biology-Secondary Education Concentration (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 (28 CREDITS)

##### FALL SEMESTER (14 credits)

General Education Coursework:

ENGL 110C\*

Oral Communication

MATH 162M\*

BIOL 121N & 122N\*

Professional Education Coursework:

STEM 101 (1 credit)

VCCS Equivalency:

ENG 111

[Transfer Guide](#)

MTH 161 or 163

BIO 101

##### SPRING SEMESTER (14 credits)

General Education Coursework:

ENGL 231C\*

Human Creativity

Interpreting the Past

BIOL 123N & 124N\*

Professional Education Coursework:

STEM 102 (1 credit)

VCCS Equivalency:

ENG 115 or 131

[Transfer Guide](#)

[Transfer Guide](#)

BIO 102

#### YEAR 2 - SOPHOMORE (32 CREDITS)

##### FALL SEMESTER (16 credits)

General Education Coursework:

Information Literacy and Research: CS 121G required or STEM 251G required

Major Coursework:

STAT 130M\*

BIOL 291

CHEM 121N & 122N (4 credits)\*

Professional Education Coursework:

STEM 201

VCCS Equivalency:

[Transfer Guide](#)

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

CHM 111

##### SPRING SEMESTER (16 credits)

General Education Coursework:

Human Behavior

Major Coursework:

BIOL 292

MATH 205, 200 or 211\*

CHEM 123N & 124N (4 credits)\*

Professional Education Coursework:

STEM 202

VCCS Equivalency:

[Transfer Guide](#)

MTH, 173, 261, 263, 270 or 271

CHM 112

#### YEAR 3 - JUNIOR (34 CREDITS)

##### FALL SEMESTER (16 credits)

General Education Coursework:

Literature

Impact of Technology

Major Coursework:

BIOL 240 or 250 (4 credits)\*

CHEM 211\*

BIOL 293

VCCS Equivalency:

[Transfer Guide](#)

[Transfer Guide](#)

BIO 141

CHM 241

##### SPRING SEMESTER (18 credits)

General Education Coursework:

Philosophy and Ethics

Major Coursework:

BIOL 294

300/400 level Biology Elective\*\* (4 credits)

OEAS 110N or OEAS 111N or PHYS 111N (4 credits)\*

BIOL 308 (4 credits)

VCCS Equivalency:

[Transfer Guide](#)

GOL 110, GOL 105, PHYS 111, PHYS 121 or PHYS 201

#### YEAR 4 - SENIOR (27 CREDITS)

##### FALL SEMESTER (15 credits)

Major Coursework:

BIOL 468W (C or better required)

BIOL 307 or 336 (5 credits)

300/400 level Biology Elective\*\* (4 credits)

Professional Education Coursework:

STEM 401

VCCS Equivalency:

##### SPRING SEMESTER (12 credits)

Professional Education Coursework:

STEM 485 (9 credits)

STEM 402

VCCS Equivalency:

*This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog.*

*\*\*Students must choose 16 elective hours at the 300/400 level or above from the courses offered by the Department of Biological Sciences. Three of the courses must have a laboratory or field component (see individual course descriptions). Students may use four credits at the 200 level to satisfy the elective requirement. Elective courses must include one approved course each in botany, zoology, microbiology, and human anatomy and physiology. Consult with advisor.*

*Please refer to the catalog for Teacher Preparation requirements.*

*Professional Education Coursework satisfies the Upper Division General Education Coursework.*

*Requirements for graduation include completion of ENGL 110C, ENGL 211C or 221C or 231C, and the writing intensive (W) course in the major with a grade of C or better, completion of the Biology and Senior Assessments, a minimum cumulative 2.75 GPA, in the major area, and in the professional education core, with no grade less than a C in the major and C- in the professional education core; successful completion of the Teacher Candidate Internship and a minimum of 125 credit hours, which must include both a minimum of 32 credit hours overall and 12 credit hours in upper-level courses in the major program from Old Dominion University. Note that a C (2.0) must be earned in all biology courses used to satisfy departmental requirements.*

*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.*