

## 2017 - 2018 Old Dominion University Catalog

### Bachelor of Science in Biology-Secondary Education Concentration

*Sample four year curriculum with a suggested ordering of courses. Students may re-order as needed. Consult with Advisor.*

| YEAR 1 - FRESHMAN (31 CREDITS)                      |   |   |   |
|---|---|---|---|
| FALL SEMESTER (14 credits)                          |   | SPRING SEMESTER (17 credits)              |   |
| <u>General Education Coursework:</u>                |   | <u>General Education Coursework:</u>      |   |
| ENGL 110C   | 3 | ENGL 231C                                 | 3 |
| Oral Communication                                  | 3 | Human Creativity                          | 3 |
| MATH 162M   | 3 | Interpreting the Past                     | 3 |
| BIOL 121N/122N                                      | 4 | BIOL 123N/124N                            | 4 |
|   |   | Impact of Technology                      | 3 |
| <u>Professional Education Coursework:</u>           |   | <u>Professional Education Coursework:</u> |   |
| STEM 101  | 1 | STEM 102                                  | 1 |
| YEAR 2 - SOPHOMORE (32 CREDITS)                     |   |   |   |
| FALL SEMESTER (16 credits)                          |   | SPRING SEMESTER (16 credits)              |   |
| <u>General Education Coursework:</u>                |   | <u>General Education Coursework:</u>      |   |
| Information Literacy and Research: CS 121G required | 3 | Human Behavior                            | 3 |
| <u>Major Coursework:</u>                            |   | <u>Major Coursework:</u>                  |   |
| STAT 130M   | 3 | BIOL 292                                  | 3 |
| BIOL 291  | 3 | MATH 205 or 200 or 211                    | 3 |
| CHEM 121N/122N                                      | 4 | CHEM 123N/124N                            | 4 |
| <u>Professional Education Coursework:</u>           |   | <u>Professional Education Coursework:</u> |   |
| STEM 201  | 3 | STEM 202                                  | 3 |
| YEAR 3 - JUNIOR (32 CREDITS)                        |   |   |   |
| FALL SEMESTER (15 credits)                          |   | SPRING SEMESTER (17 credits)              |   |
| <u>General Education Coursework:</u>                |   | <u>General Education Coursework:</u>      |   |
| Literature  | 3 | Philosophy and Ethics                     | 3 |
| <u>Major Coursework:</u>                            |   | <u>Major Coursework:</u>                  |   |
| OEAS 110N or OEAS 111N                              | 4 | PHYS 111N                                 | 4 |
| CHEM 211/212  | 5 | BIOL 303                                  | 3 |
| BIOL 293  | 3 | 300 level Biology Elective*               | 3 |
|   |   | 300 level Biology Elective*               | 4 |
| YEAR 4 - SENIOR (32 CREDITS)                        |   |   |   |
| FALL SEMESTER (17 credits)                          |   | SPRING SEMESTER (15 credits)              |   |
| <u>Major Coursework:</u>                            |   | <u>Professional Education Coursework:</u> |   |
| BIOL 405W   | 3 | STEM 485                                  | 9 |
| 300 level Biology Elective*                         | 4 | STEM 402                                  | 3 |
| 300 level Biology Elective*                         | 4 | 300 level Biology Elective*               | 3 |
| <u>Professional Education Coursework:</u>           |   |   |   |
| STEM 401  | 3 |   |   |
| BIOL 468W   | 3 |   |   |

Does not include the University's General Education Language and Culture Requirement. Additional Hours may be required. See catalog for details.

\*Students must choose 16 elective hours at the 300 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.