

**2016 - 2017 Old Dominion University Catalog**  
**Bachelor of Science in Mathematics (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).*

**YEAR 1 - FRESHMAN (32 CREDITS)**

| FALL SEMESTER (16 credits)                                      |                                | SPRING SEMESTER (16 credits)                                     |                                |
|---|--------------------------------|--|--------------------------------|
| <u>General Education Coursework:</u>                            | <u>VCCS Equivalency:</u>       | <u>General Education Coursework:</u>                             | <u>VCCS Equivalency:</u>       |
| Human Behavior  | <a href="#">Transfer Guide</a> | Oral Communication   | <a href="#">Transfer Guide</a> |
| MATH 211 (4 credits)  | MTH 173 or 273*                | MATH 212 (4 credits)   | MTH 174 or 274*                |
| Information Literacy and Research: CS 121G preferred            | <a href="#">Transfer Guide</a> | Philosophy and Ethics: PHIL 120P recommended                     | <a href="#">Transfer Guide</a> |
| ENGL 110C   | ENG 111*                       | ENGL 211C, 221C or 231C  | ENG 112, 210, 115 or 131*      |
| Language and Culture I (May be waived. See catalog for details) | <a href="#">Transfer Guide</a> | Language and Culture II (May be waived. See catalog for details) | <a href="#">Transfer Guide</a> |

**YEAR 2 - SOPHOMORE (30 CREDITS)**

| FALL SEMESTER (14 credits)           |                                | SPRING SEMESTER (16 credits)         |                                |
|--------------------------------------|--------------------------------|--------------------------------------|--------------------------------|
| <u>General Education Coursework:</u> | <u>VCCS Equivalency:</u>       | <u>General Education Coursework:</u> | <u>VCCS Equivalency:</u>       |
| Nature of Science*                   | <a href="#">Transfer Guide</a> | Nature of Science*                   | <a href="#">Transfer Guide</a> |
| Human Creativity                     | <a href="#">Transfer Guide</a> | Interpreting the Past                | <a href="#">Transfer Guide</a> |
| CS 150 (4 credits)                   | CSC 201 or EGR 126*            | Impact of Technology                 | <a href="#">Transfer Guide</a> |
| MATH 307                             |                                | Literature                           | <a href="#">Transfer Guide</a> |
|                                      |                                | Elective*****                        |                                |

**YEAR 3 - JUNIOR (31 CREDITS)**

| FALL SEMESTER (16 credits)                 |                          | SPRING SEMESTER (15 credits)               |                          |
|--|--------------------------|--|--------------------------|
| <u>Major Coursework:</u>                   | <u>VCCS Equivalency:</u> | <u>Major Coursework:</u>                   | <u>VCCS Equivalency:</u> |
| STAT 310 or 431**                          |                          | MATH 316                                   |                          |
| MATH 311W                                  |                          | MATH 317                                   |                          |
| MATH 312 (4 credits)                       |                          | STAT 330 or 331***                         |                          |
| Concentration course****                   |                          | Concentration course****                   |                          |
| <u>Upper Division Gen. Ed. Coursework:</u> |                          | <u>Upper Division Gen. Ed. Coursework:</u> |                          |
| 300-/400-level course                      |                          | 300-/400-level course                      |                          |

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

| FALL SEMESTER (15 credits)                 |                          | SPRING SEMESTER (12 credits)               |                          |
|--|--------------------------|--|--------------------------|
| <u>Major Coursework:</u>                   | <u>VCCS Equivalency:</u> | <u>Major Coursework:</u>                   | <u>VCCS Equivalency:</u> |
| Concentration course****                   |                          | Concentration course****                   |                          |
| Concentration course****                   |                          | Concentration course****                   |                          |
| Elective*****                              |                          | Elective*****                              |                          |
| Elective*****                              |                          | <u>Upper Division Gen. Ed. Coursework:</u> |                          |
| <u>Upper Division Gen. Ed. Coursework:</u> |                          | 300-/400-level course                      |                          |
| 300-/400-level course                      |                          |  |                          |

\*The Nature of Science requirement need not be in the same science. However, PHYS 231N-232N are recommended for the applied mathematics option; and BIOL 110N/111N, or BIOL 112N/113N, BIOL 117N/BIOL 118N, or BIOL 121N/122N-BIOL 123N/124N are recommended for the statistics/biostatistics option.

\*\*Statistics/Biostatistics concentration and the Actuarial Mathematics concentration take both.

\*\*\*Statistics/Biostatistics concentration and the Actuarial Mathematics concentration take STAT 331.

\*\*\*\*Students are required to choose one of the following concentrations: Applied Mathematics, Statistics/Biostatistics, or Actuarial Mathematics.

Language and Culture may be waived, see ODU catalog for exemptions.

\*\*\*\*\*Elective credit will be needed to meet the minimum requirement of 120 credit hours, consult with your advisor for options.

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.