

2021 - 2022 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). Associate in Science recommended for ease of transfer.*

YEAR 1 - FRESHMAN (32 CREDITS)

FALL SEMESTER (16 credits)

General Education Coursework:

Human Behavior: ECON 202S recommended

MATH 211 (4 credits)

Information Literacy and Research: CS 121G preferred. IT 150G is acceptable substitute for the Actuarial Mathematics Major or the Big Data Analytics Major

ENGL 110C

Language and Culture I (May be waived. See catalog for details)

VCCS Equivalency:

[Transfer Guide](#)

MTH 173, 263 or 273*

[Transfer Guide](#)

ENG 111*

[Transfer Guide](#)

SPRING SEMESTER (16 credits)

General Education Coursework:

Oral Communication

MATH 212 (4 credits)

Philosophy and Ethics: PHIL 120P recommended

ENGL 211C, 221C or 231C

Language and Culture II (May be waived. See catalog for details)

VCCS Equivalency:

[Transfer Guide](#)

MTH 174, 264, or 274*

[Transfer Guide](#)

ENG 112, 210, 115 or 131*

[Transfer Guide](#)

YEAR 2 - SOPHOMORE (28 CREDITS)

FALL SEMESTER (14 credits)

General Education Coursework:

Nature of Science**

Human Creativity

CS 150 (4 credits)

Literature

VCCS Equivalency:

[Transfer Guide*](#)

[Transfer Guide](#)

EGR 126 or ITP 132 (all VCCS) or

CSC 201 (only accepted from TCC,

TNCC, PHCC or PDCCC)*

[Transfer Guide](#)

SPRING SEMESTER (14 credits)

General Education Coursework:

Nature of Science**

Interpreting the Past

Impact of Technology: IT 360T suggested for the Actuarial Mathematics Major

MATH 312 (4 credits)

VCCS Equivalency:

[Transfer Guide*](#)

[Transfer Guide](#)

[Transfer Guide](#)

YEAR 3 - JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:

STAT 310 or 331 (Statistics/Biostatistics and Actuarial Mathematics majors must take STAT 331)

MATH 311W

MATH 307

Major course***

Upper Division Gen. Ed. Coursework:

300-/400-level course

VCCS Equivalency:

Major Coursework:

STAT 330 or 431 (Statistics/Biostatistics and Actuarial Mathematics majors must take STAT 431)

MATH 316

MATH 317

Major course***

Upper Division Gen. Ed. Coursework:

300-/400-level course

SPRING SEMESTER (15 credits)

VCCS Equivalency:

FALL SEMESTER (15 credits)

Major Coursework:

Major course***

Major course***

Elective or major course if Big Data Analytics major***

Elective or STAT 310***

Upper Division Gen. Ed. Coursework:

300-/400-level course

VCCS Equivalency:

SPRING SEMESTER (15 credits)

Major Coursework:

Major course***

Major course***

Elective or major course if Big Data Analytics major***

Elective****

Upper Division Gen. Ed. Coursework:

300-/400-level course

VCCS Equivalency:

***The Nature of Science requirement need not be in the same science. However, PHYS 231N-232N are recommended for the Applied Mathematics major; 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 major.*

****Students are required to choose one of the following majors: Applied Mathematics, Statistics/Biostatistics, Actuarial Mathematics, or Big Data Analytics. Check catalog and with advisor for options.*

*****Elective credit will be needed to meet the minimum requirement of 120 credit hours, consult Degree Works and 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.

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.