

2015 - 2016 Old Dominion University Catalog

Bachelor of Science in Mathematics

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

YEAR 1 - FRESHMAN (32 CREDITS)

FALL SEMESTER (16 credits)

General Education Coursework:

Human Behavior: ECON 202S required for the Actuarial Mathematics Concentration.	3
MATH 211	4
Information Literacy and Research: CS 121G preferred and IT 150G is acceptable substitute for the Actuarial Mathematics Concentration.	3
ENGL 110C	3
Language and Culture I (May be waived. See catalog for details)	3

SPRING SEMESTER (16 credits)

General Education Coursework:

Oral Communication	3
MATH 212	4
Philosophy and Ethics: PHIL 120P recommended	3
ENGL 211C, 221C or 231C	3
Language and Culture II (May be waived. See catalog for details)	3

YEAR 2 - SOPHOMORE (30 CREDITS)

FALL SEMESTER (14 credits)

General Education Coursework:

Nature of Science*	4
Human Creativity	3
CS 150	4
MATH 307	3

SPRING SEMESTER (16 credits)

General Education Coursework:

Nature of Science*	4
Interpreting the Past	3
Impact of Technology: IT 360T suggested for Actuarial Mathematics Concentration.	3
Literature	3
Elective*****	3

YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:

MATH 311W	3
MATH 312	4
STAT 310 or 431**	3
Concentration course****	3

Upper Division Gen. Ed. Coursework:

300-/400-level course	3
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SPRING SEMESTER (15 credits)

Major Coursework:

MATH 316	3
MATH 317	3
STAT 330 or 331***	3
Concentration course****	3

Upper Division Gen. Ed. Coursework:

300-/400-level course	3
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YEAR 4 - SENIOR (27 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:

Concentration course****	3
Concentration course****	3
Elective*****	6

Upper Division Gen. Ed. Coursework:

300-/400-level course	3
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SPRING SEMESTER (12 credits)

Major Coursework:

Concentration course****	3
Concentration course****	3
Elective*****	3

Upper Division Gen. Ed. Coursework:

300-/400-level course	3
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*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.