

2016 - 2017 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.

MATH 211

Information Literacy and Research: CS 121G preferred and IT 150G is acceptable substitute for the Actuarial Mathematics Concentration.

ENGL 110C

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

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SPRING SEMESTER (16 credits)

General Education Coursework:

Oral Communication

MATH 212

Philosophy and Ethics: PHIL 120P recommended

ENGL 211C, 221C or 231C

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

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YEAR 2 - SOPHOMORE (30 CREDITS)

FALL SEMESTER (14 credits)

General Education Coursework:

Nature of Science*

Human Creativity

CS 150

MATH 307

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SPRING SEMESTER (16 credits)

General Education Coursework:

Nature of Science*

Interpreting the Past

Impact of Technology: IT 360T suggested for Actuarial Mathematics Concentration.

Literature

Elective*****

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YEAR 3 - JUNIOR (31 CREDITS)

FALL SEMESTER (16 credits)

Major Coursework:

MATH 311W

MATH 312

STAT 310 or 431**

Concentration course****

Upper Division Gen. Ed. Coursework:

300-/400-level course

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SPRING SEMESTER (15 credits)

Major Coursework:

MATH 316

MATH 317

STAT 330 or 331***

Concentration course****

Upper Division Gen. Ed. Coursework:

300-/400-level course

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YEAR 4 - SENIOR (27 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:

Concentration course****

Concentration course****

Elective*****

Upper Division Gen. Ed. Coursework:

300-/400-level course

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SPRING SEMESTER (12 credits)

Major Coursework:

Concentration course****

Concentration course****

Elective*****

Upper Division Gen. Ed. Coursework:

300-/400-level course

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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.