

2014 - 2015 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 (30 CREDITS)

FALL SEMESTER (15 credits)

General Education Coursework:

Human Behavior

MATH 162M

CS 121G

ENGL 110C

Language and Culture I

SPRING SEMESTER (15 credits)

General Education Coursework:

Oral Communication

MATH 163

Philosophy and Ethics (PHIL 120P recommended)

ENGL 211C, 221C or 231C

Language and Culture II

YEAR 2 - SOPHOMORE (32 CREDITS)

FALL SEMESTER (15 credits)

General Education Coursework:

Nature of Science****

Human Creativity

CS 150 (4 credits)

MATH 211 (4 credits)

SPRING SEMESTER (17 credits)

General Education Coursework:

Nature of Science****

Interpreting the Past

Impact of Technology

MATH 212 (4 credits)

Literature

YEAR 3 - JUNIOR (30 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:

MATH 307

MATH 311W

MATH 312

Elective

Upper Division Gen. Ed. Coursework:

300-/400-level course

SPRING SEMESTER (15 credits)

Major Coursework:

MATH 316

MATH 317

STAT 310 or 431***

Elective

Upper Division Gen. Ed. Coursework:

300-/400-level course

YEAR 4 - SENIOR (28 CREDITS)

FALL SEMESTER (15 credits)

Major Coursework:

STAT 330 or 331***

Option Course**

Option Course**

Option Course**

Option Course**

Upper Division Gen. Ed. Coursework:

300-/400-level course

SPRING SEMESTER (13 credits)

Major Coursework:

Option Course**

Option Course**

Option Course**

Elective (1 credit)

Upper Division Gen. Ed. Coursework:

300-/400-level course

**Please refer to the catalog and consult with your advisor for either an option in Applied Mathematics or Statistics/Biostatistics.

***Statistics/Biostatistics majors must take STAT 310, 431 and 331.

****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 108N-109N or BIOL 115N-116N are recommended for the statistics/biostatistics option.

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.