

2018 - 2019 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)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>		<u>General Education Coursework:</u>	
Human Behavior: ECON 202S required for the Actuarial Mathematics major	3	Oral Communication	3
MATH 211	4	MATH 212	4
Information Literacy and Research: CS 121G preferred. IT 150G is acceptable substitute for the Actuarial Mathematics Major or the Big Data Analytics Major	3	Impact of Technology: IT 360T suggested for Actuarial Mathematics Major	3
ENGL 110C	3	ENGL 211C, 221C or 231C	3
Language and Culture I (May be waived, see catalog)	3	Language and Culture II (May be waived, see catalog)	3
YEAR 2 - SOPHOMORE (30 CREDITS)			
FALL SEMESTER (14 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u>		<u>General Education Coursework:</u>	
Nature of Science*	4	Nature of Science*	4
Human Creativity	3	Interpreting the Past	3
CS 150	4	Philosophy and Ethics: PHIL 120P recommended	3
MATH 307	3	Literature	3
		Elective*****	3
YEAR 3 - JUNIOR (31 CREDITS)			
FALL SEMESTER (16 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
MATH 311W	3	MATH 316	3
MATH 312	4	MATH 317	3
STAT 310 or 431**	3	STAT 330 or 331***	3
Concentration course*****	3	Concentration course*****	3
<u>Upper Division Gen. Ed. Coursework:</u>		<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level course	3	300-/400-level course	3
YEAR 4 - SENIOR (27 CREDITS)			
FALL SEMESTER (15 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u>		<u>Major Coursework:</u>	
Concentration course*****	3	Concentration course*****	3
Concentration course*****	3	Concentration course*****	3
Elective*****	6	Elective*****	3
<u>Upper Division Gen. Ed. Coursework:</u>		<u>Upper Division Gen. Ed. Coursework:</u>	
300-/400-level course	3	300-/400-level course	3

*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.

**Statistics/Biostatistics majors and the Actuarial Mathematics majors take both.

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

****Students are required to choose one of the following majors or complete the teaching licensure requirements: Applied Mathematics, Statistics/Biostatistics, Actuarial Mathematics, or Big Data Analytics.

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.