

**2018 - 2019 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).*

YEAR 1 - FRESHMAN (32 CREDITS)			
FALL SEMESTER (16 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u> Human Behavior: ECON 202S required for the Actuarial Mathematics Major	<u>VCCS Equivalency:</u> <a href="#">Transfer Guide</a>	<u>General Education Coursework:</u> Oral Communication	<u>VCCS Equivalency:</u> <a href="#">Transfer Guide</a>
MATH 211 (4 credits)	MTH 173, 263 or 273*	MATH 212 (4 credits)	MTH 174, 264, or 274*
Information Literacy and Research: CS 121G preferred. IT 150G is acceptable substitute for the Actuarial Mathematics Major or the Big Data Analytics Major	<a href="#">Transfer Guide</a>	Philosophy and Ethics: PHIL 120P recommended	<a href="#">Transfer Guide</a>
ENGL 110C Language and Culture I (May be waived. See catalog for details)	ENG 111* <a href="#">Transfer Guide</a>	ENGL 211C, 221C or 231C Language and Culture II (May be waived. See catalog for details)	ENG 112, 210, 115 or 131* <a href="#">Transfer Guide</a>

YEAR 2 - SOPHOMORE (30 CREDITS)			
FALL SEMESTER (14 credits)		SPRING SEMESTER (16 credits)	
<u>General Education Coursework:</u> Nature of Science** Human Creativity	<u>VCCS Equivalency:</u> <a href="#">Transfer Guide*</a> <a href="#">Transfer Guide</a>	<u>General Education Coursework:</u> Nature of Science** Interpreting the Past	<u>VCCS Equivalency:</u> <a href="#">Transfer Guide*</a> <a href="#">Transfer Guide</a>
CS 150 (4 credits)	CSC 201 or EGR 126*	Impact of Technology: IT 360T suggested for the Actuarial Mathematics Major	<a href="#">Transfer Guide</a>
MATH 307		Literature Elective (may be needed; consult catalog and advisor)	<a href="#">Transfer Guide</a>

YEAR 3 - JUNIOR (31 CREDITS)			
FALL SEMESTER (16 credits)		SPRING SEMESTER (15 credits)	
<u>Major Coursework:</u> STAT 310 or 431*** MATH 311W MATH 312 (4 credits) Concentration course*****	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u> MATH 316 MATH 317 STAT 330 or 331**** Concentration course*****	<u>VCCS Equivalency:</u>
<u>Upper Division Gen. Ed. Coursework:</u> 300-/400-level course		<u>Upper Division Gen. Ed. Coursework:</u> 300-/400-level course	

YEAR 4 - SENIOR (27 CREDITS)			
FALL SEMESTER (15 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u> Concentration course***** Concentration course***** Elective (may be needed; consult DegreeWorks and advisor) Elective (may be needed; consult DegreeWorks and advisor) <u>Upper Division Gen. Ed. Coursework:</u> 300-/400-level course	<u>VCCS Equivalency:</u>	<u>Major Coursework:</u> Concentration course***** Concentration course***** Elective (may be needed; consult DegreeWorks and advisor) <u>Upper Division Gen. Ed. Coursework:</u> 300-/400-level course	<u>VCCS Equivalency:</u>

\*\*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 Major.

\*\*\*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 majors: 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 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.