2019 - 2020 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). Associate in Science recommended for ease of transfer.*

YEAR 1 - FRESHMAN (32 CREDITS)			
FALL SEMESTER (16 credits)		**SPRING SEMESTER (16 credits)**	
General Education Coursework:	VCCS Equivalency:	General Education Coursework:	VCCS Equivalency:
Human Behavior: ECON 202S required for the Actuarial Mathematics Major	Transfer Guide	Oral Communication	Transfer Guide
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	Transfer Guide	Philosophy and Ethics: PHIL 120P recommended	Transfer Guide
ENGL 110C	ENG 111*	ENGL 211C, 221C or 231C	ENG 112, 210, 115 or 131*
Language and Culture I (May be waived. See catalog for details)	Transfer Guide	Language and Culture II (May be waived. See catalog for details)	Transfer Guide
YEAR 2 - SOPHOMORE (28 CREDITS)			
FALL SEMESTER (14 credits)		**SPRING SEMESTER (14 credits)**	
General Education Coursework:	VCCS Equivalency:	General Education Coursework:	VCCS Equivalency:
Nature of Science**	Transfer Guide*	Nature of Science**	Transfer Guide*
Human Creativity	Transfer Guide	Interpreting the Past	Transfer Guide
CS 150 (4 credits)	CSC 201 or EGR 126*	Impact of Technology: IT 360T suggested for the Actuarial Mathematics Major	Transfer Guide
MATH 307		MATH 312 (4 credits)	
YEAR 3 - JUNIOR (30 CREDITS)			
FALL SEMESTER (15 credits)		**SPRING SEMESTER (15 credits)**	
Major Coursework:	VCCS Equivalency:	Major Coursework:	VCCS Equivalency:
STAT 310 or 431***		MATH 316	
MATH 311W		MATH 317	
Literature	Transfer Guide	STAT 330 or 331****	
Major course*****		Major course*****	
Upper Division Gen. Ed. Coursework:		Upper Division Gen. Ed. Coursework:	
300-/400-level course		300-/400-level course	
YEAR 4 - SENIOR (30 CREDITS)			
FALL SEMESTER (15 credits)		**SPRING SEMESTER (15 credits)**	
Major Coursework:	VCCS Equivalency:	Major Coursework:	VCCS Equivalency:
Major course*****		Major course*****	
Major course*****		Major course*****	
Elective or major course if Big Data Analytics major*****		Elective or major course if Big Data Analytics major*****	
Elective or STAT 310 or STAT 410 if Statistics/Biostatistics and Actuarial Mathematics majors*****		Elective^	
Upper Division Gen. Ed. Coursework:		Upper Division Gen. Ed. Coursework:	
300-/400-level course		300-/400-level course	

**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 ma\jor and the Actuarial Mathematics major take both.

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

*****Students are required to choose one of the following majors: Applied Mathematics, Statistics/Biostatistics, Actuarial Mathematics, or Big Data Analytics. Check catalog and with advisor for options.

^Elective credit wll 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.