

2024 - 2025 Old Dominion University Catalog
Bachelor of Science in Mathematics with a Major in Secondary Mathematics Education (6-12) (BS) (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 (28 CREDITS)			
FALL SEMESTER (14 credits)		SPRING SEMESTER (14 credits)	
<u>General Education Coursework:</u> ENGL 110C MATH 211 (4 credits) Information Literacy and Research: CS 121G preferred Human Behavior	<u>VCCS Equivalency:</u> ENG 111* MTH 173, 263 or 273* Transfer Equivalency Guide Transfer Equivalency Guide	<u>General Education Coursework:</u> ENGL 211C or 231C MATH 212 (4 credits) Philosophy and Ethics: PHIL 120P recommended Oral Communication	<u>VCCS Equivalency:</u> ENG 112, 210, 115 or 131* MTH 174, 264, or 274* Transfer Equivalency Guide Transfer Equivalency Guide
<u>Professional Education Coursework:</u> STEM 101 (1 credit)		<u>Professional Education Coursework:</u> STEM 102 (1 credit)	

YEAR 2 - SOPHOMORE (34 CREDITS)			
FALL SEMESTER (17 credits)		SPRING SEMESTER (17 credits)	
<u>General Education Coursework:</u> Nature of Science I** (4 credits) Human Creativity MATH 307	<u>VCCS Equivalency:</u> Transfer Equivalency Guide Transfer Equivalency Guide	<u>General Education Coursework:</u> Nature of Science II** (4 credits) Interpreting the Past Literature	<u>VCCS Equivalency:</u> Transfer Equivalency Guide Transfer Equivalency Guide Transfer Equivalency Guide
CS 151 or 153 (4 credits)	CSC 221 (If CSC 221 is taught in C++ , transfers as CS 150, if taught in Java, as CS 151, if taught in Python, as CS 153)*	MATH 312 (4 credits)	
<u>Professional Education Coursework:</u> STEM 201		<u>Professional Education Coursework:</u> STEM 202	

YEAR 3 - JUNIOR (31 CREDITS)			
FALL SEMESTER (16 credits)		SPRING SEMESTER (15 credits)	
<u>General Education Coursework:</u> Impact of Technology	<u>VCCS Equivalency:</u> Transfer Equivalency Guide	<u>Major Coursework:</u> MATH 316 MATH 400 MATH 404 STAT 310 or 431***	<u>VCCS Equivalency:</u>
<u>Major Coursework:</u> MATH 311W MATH 317 MATH 375 MATH 400-level elective or approved BDA course*** STAT 330 or 331***		<u>Professional Education Coursework:</u> SCI 468	

YEAR 4 - SENIOR (27 CREDITS)			
FALL SEMESTER (15 credits)		SPRING SEMESTER (12 credits)	
<u>Major Coursework:</u> MATH 406 MATH 417 or 422 STAT 310 or 431*** MATH 400-level elective or approved BDA course***	<u>VCCS Equivalency:</u>	<u>Professional Education Coursework:</u> STEM 402 STEM 485	<u>VCCS Equivalency:</u>
<u>Professional Education Coursework:</u> STEM 401			

***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.*

****Please refer to the catalog and consult with your advisor for elective options.*

This 4-year plan does not include 6 credits in Language and Culture, but this requirement may be waived; see ODU catalog.

The Professional Education courses satisfy the Upper Division requirement.

Please refer to the catalog to learn more about the Math Teaching Licensure requirements.

Requirements for graduation include a minimum cumulative grade point average of 2.75 GPA, in the major area, and in the professional education core, with no grade less than a C in the major and C- in the professional education core; successful completion of the Teacher Candidate Internship and a minimum of 126 credit hours, which must include both a minimum of 32 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 231C, and a writing intensive (W) course in the major with a grade of C or better, and completion of Senior Assessment.

This four-year plan is a suggested curriculum to complete this degree program in four years. It is just one of several plans that will work and is presented only as broad guidance to students. Each student is strongly encouraged to develop a customized plan in consultation with their academic advisor. Additional information can also be found in Degree Works.