

Suggested Transfer Pathway

College of Southern Maryland Associate of Science in Math and Science to
West Virginia Bachelor of Science in Mathematics
Total Credits: 60, Catalog Year: 2025-2026



College of Southern Maryland

(Courses may be taken in any order, pending prerequisites)

Year One – First Semester	Credits
ENG 1010 Composition and Rhetoric	3
FYS 1010 First Year Seminar	3
MTH 1015 Introduction to Statistics	3
MTH 1200 Calculus I and Analytic Geometry	4
Art/Humanities	3
TOTAL	16

Year One – Second Semester	Credits
ENG 1020 Composition & Literature	3
CHE 1200 & CHE 1200L	4
PHY 1310 Calculus-Based Physics I: Mechanics and Fluids with Lab	4
MTH 1210 Calculus II	4
TOTAL	15

Year Two – First Semester	Credits
MTH 2200 Calculus III	4
CHE 1210 & CHE 1210L	4
Social/Behavioral Science w/CGA	3
Art/Humanities w/CGA	3
TOTAL	14

Year Two – Second Semester	Credits
MTH 2210 Differential Equations	4
Social/Behavioral Science	3
PHY 2300 Calculus-Based Physics II: Vibrations, Heat, and Electricity with Lab	4
MTH 2220 Introduction to Linear Algebra	4
TOTAL	15

Students must have successfully passed MTH 1200 and 1210 with a C- or better to be admitted into the Mathematics program upon arrival at West Virginia University. This requirement is also necessary to complete other graduation requirements in a 4-year timeline.

Please see agreement for details.



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advisor@csmd.edu

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West Virginia University

Year Three – First Semester	Credits
STAT 215 Introduction to Probability and Statistics	3
PHYS 112 & PHYS 112L	4
EDG 1: Data and Society	3
EDG 2: Effective and Civil Communication	3
EDG 3: Ethics and Civil Responsibility	3
TOTAL	16

Year Three – Second Semester	Credits
MATH 303 Introduction to the Concepts of Mathematics	3
MATH 322 Introduction to Programming and Computational Mathematics	3
Math Elective	3
Math Elective	3
General Elective	3
TOTAL	14

Year Four – First Semester	Credits
MATH 480 Capstone Design or STAT 480 Capstone Design	1
MATH 341 Introduction to Algebraic Structures	3
MATH 451 Introduction to Real Analysis I	3
Math Elective	3
Math Elective	3
General Elective	2
TOTAL	15

Year Four – Second Semester	Credits
MATH 481 Capstone Experience or STAT 481 Capstone Experience	2
Math Elective	3
EDG 4: Global and regional Perspectives	3
EDG 5: Practicing Arts & Sciences	3
General Elective	4
TOTAL	15

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