

STEVENSON

U N I V E R S I T Y

College of Southern Maryland A.A. or A.S. Transfer Plan

A.S. Mathematics and Sciences, Mathematics Concentration to B.S. in Applied Mathematics, Scientific Track

This transfer plan is intended for students pursuing an A.S. in Mathematics and Sciences, Mathematics Concentration at College of Southern Maryland who are interested in pursuing a B.S. in Applied Mathematics, Scientific Track at Stevenson University. The equivalencies below demonstrate how a student can meet both the requirements of the associate degree and prepare for a seamless transfer to Stevenson. Any student who enters Stevenson with an A.A. or A.S. degree will have completed all general education requirements with the exception of composition II if not taken at the community college. Please note:

- Only courses that have course equivalencies are displayed. This guide does not show all transferable courses from this college. It also does not display all Stevenson University courses that will fulfill a specific requirement.
- Program requirements must be completed with a grade of “C” or better, and general education courses must be passed with a grade of “D” or better, with the exception of college composition, which must be passed with a “C-” — 70 or higher.
- Stevenson University will accept up to 70 credits from 2-year institutions. Up to 90 credits can be applied to degree requirements from a combination of 2-year institutions, 4-year institutions, and non-direct classroom instruction (including CLEP, AP, and other nationally recognized standardized examination scores). For additional information about credit transfer, please see: <http://www.stevenson.edu/admissions-aid/getting-started/transfer-students/transfer-credit-evaluation/>
- For scholarship information please see the “Paying for College” page on: <http://www.stevenson.edu/transfer>
- Transfer plans are intended to be used as planning tools. If you need additional assistance in selecting courses to take prior to transferring to Stevenson University, contact Stevenson Admissions at 443-352-4450.

Community College Degree Requirements	Stevenson Equivalency	Category	Credits Transferred
MTH-1200: Calculus I and Analytic Geometry	MATH 220: Calculus I	Program Requirement	4
MTH-1210: Calculus II	MATH 221: Calculus II	Program Requirement	4
MTH-2200: Calculus III	MATH 222: Calculus III	Program Requirement	4
MTH-2220: Introduction to Linear Algebra	MATH 299: Math Elective	Program Elective	4
MTH-1015: Introduction to Statistics	MATH 136TR Introduction to Statistics	General Elective	3
MTH-2210 Differential Equations	MATH 299: Math Elective, Fulfills MATH 321, Differential Equations	Program Requirement	4
CHE-1200/L: General Chemistry I and Lab	CHEM 115/L: General Chemistry I and lab	Program Requirement	4
CHE-1210/L: General Chemistry II and Lab	CHEM 116/L: General Chemistry II with lab	Program Requirement	4
PHY-1310: Calculus Based Physics I (previously PHY-1210 & PHY-1210L)	PHYS 215: General Physics I with Calculus	Program Requirement	4
PHY-2300: Calculus Based Physics II (previously PHY-2200 & PHY-2200L)	PHYS 216: General Physics II with Calculus	Program Requirement	4
FYS-1010: First Year Seminar	GEN 199: General Elective	Elective	3

Community College Degree Requirements		Stevenson Equivalency	Category	Credits Transferred
ENG-1010: Composition and Rhetoric		ENG 151 College Writing I	Composition General Education Requirement	3
ENG-1020: Composition and Literature		ENG 152: College Writing II	Literature General Education Requirement	3
Arts/Humanities		Variable	Arts/Humanities General Education Requirement	3
Arts/Humanities with Cultural and Global Awareness		Variable	Arts/Humanities General Education Requirement	3
Social/Behavioral Sciences with Cultural and Global Awareness		Variable	Social Science General Education Requirement	3
Social/Behavioral Sciences		Variable	Social Science General Education Requirement	3
Science Elective		Variable	General Elective	3-4
Total		63-64 Credits Please note: A minimum of 60 credits are needed for the associate degree		

Remaining Courses to be taken at Stevenson

Students who complete the plan above including all recommended courses and earn the [B.S. in Applied Mathematics, Scientific Track](#) will take the following courses at Stevenson to meet the BS requirements. Students who transfer before completing the associate degree may have more general education and program requirements to take and fewer free electives.

General Education Requirements (0 credits)

Major Requirements (30 credits)

- MATH 312 Mathematical Statistics I, 3 credits
- MATH 313 Mathematical Statistics II, 3 credits
- MATH 326 Linear Algebra, 3 credits
- MATH 418 Mathematical Modeling, 3 credits
- MATH 425 Scientific Computer Programming, 3 credits
- MATH 442 Numerical Analysis, 3 credits
- MATH Elective, 3 credits
- MATH 471 Capstone Internship, 6 credits
- MATH 475 Capstone Seminar, 3 credits

Additional Credits Needed: 30 credits of general electives

Total credits to be taken at SU: 60

Suggested Course Sequence

YEAR 3				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	MATH 312 Mathematical Statistics I	3	MATH 313 Mathematical Statistics II	3
	MATH 326 Linear Algebra	3	MATH 442 Numerical Analysis	3
	General Elective	3	MATH Elective*	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
CREDITS	15 CREDITS		15 CREDITS	
YEAR 4				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	MATH 471 Capstone Internship	6	MATH 418 Mathematical Modeling	3
	MATH 475 Capstone Seminar	3	MATH 425 Scientific Comp Programming	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
			General Elective	3
CREDITS	15 CREDITS		15 CREDITS	

*Choose from: MATH 218, Geometry; MATH 230, Discrete Structures; MATH 301, Mathematical Structures; MATH 342, Time Series Analysis; MATH 365, Independent Research in Mathematics; MATH 420, Actuarial Math; and MATH 490, Special Topics in Mathematics.

Signed 10-18-2022