

STEVENSON

U N I V E R S I T Y

Transfer Plan
 Carroll Community College
 Physical Science AS with Physics Concentration to SU Applied Math

This transfer plan is intended for students pursuing Physical Science AS with Physics Concentration at Carroll Community College who are interested in pursuing a BS in Applied Math, 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. Stevenson participates in reverse transfer should students transfer after completing 15 credits at Carroll Community College but before completing the full associate degree. 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.
- 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.

	Carroll Community College	Stevenson University	Credits
Program Requirements			
Program Requirements	MATH 136: Calculus of a Single Variable 2	MATH 221: Calculus II	4
	MATH 205: Multivariable Calculus	MATH 222: Calculus III	4
	MATH 215: Differential Equations	Fulfills MATH 321: Differential Equations	4
	PHYS 111: Physics 1 for Sci. and Eng.	PHYS 215: General Physics I with Calculus	4
	PHYS 212: Physics 2 for Sci. and Eng.	PHYS 216: General Physics II with Calculus	4
	PHYS 213: Physics 3 for Sci. and Eng.	Fulfills MATH 299: Math Elective	4
General Education Requirements			
English Composition and literature (6 credits)	ENGL 101	ENG 151: English Composition	3
	ENGL 102	ENG 152: Writing About Literature	3
Arts & Humanities	<ul style="list-style-type: none"> • General Education Fine and Performing Arts or Humanities course • SU recommends COMM 105 	<ul style="list-style-type: none"> • <i>Humanities or Fine Arts requirement depending on selection</i> • CM 101: Public Speaking (<i>Communications-Intensive Requirement</i>) 	6

	Carroll Community College	Stevenson University	Credits
Biological and Physical Sciences	CHEM 105 CHEM 106	CHEM 115/L (<i>Scientific Reasoning-L</i>) CHEM 116/L	8
Mathematics	MATH 135: Calculus of a Single Variable 1	MATH 220 Calculus I (<i>Mathematics Requirement</i>)	4
Social and Behavioral Sciences	<ul style="list-style-type: none"> • <i>SU recommends 6 credits from two different disciplines</i> 	<ul style="list-style-type: none"> • <i>Social Science SEE requirement</i> 	6
Electives			6
Total	60 credits Please note: A minimum of 60 credits are needed for the associate's degree		

Remaining Courses to be taken at Stevenson

Students who complete the plan above including all recommended courses and earn the AS in Physical Sciences with the Physics Concentration will take the following courses at Stevenson to meet the BS in Applied Math, Scientific Track 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 (33 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 460 or 465: Senior Capstone, 9 credits

Math Elective, 3 credits

SCI 215: Writing in the Sciences, 3 credits

Additional Credits Needed: 27 credits of general electives (as needed to reach the mandatory 120 credits)

Total credits to be taken at SU: up to 60 credits

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 XXX: Math Elective*	3
	General Elective	3	SCI 215: Writing in the Sciences	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	Senior Capstone	9	MATH 442: Numerical Analysis	3
	MATH 425: Scientific Computer Programming	3	MATH 418: Mathematical Modeling	3
	General Elective	3	General Elective	3
			General Elective	3
			General Elective	3
CREDITS	15 CREDITS		15 CREDITS	

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