

**Carroll Community College**  
A.S. Transfer Plan Applied Mathematics

A.S. in Physical Sciences, Physics Concentration to B.S. in Applied Mathematics

This transfer plan is intended for students pursuing an \_\_\_\_\_ at \_\_\_\_\_  
\_\_\_\_\_ who are interested in pursuing a \_\_\_\_\_ 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 to(f)1Hs. 216. you( beD 9-BDC q0.00016)10(he )JTETQ36.025 571.17 91

Community College Degree Requirements	Stevenson Equivalency	Category	Credits Transferred
Arts & Humanities: General Education Fine and Performing Arts or Humanities Course	Humanities or Fine Arts requirement  CM 101 Public Speaking	General Education  SEE Communication Intensive Requirement	6
Biological and Physical Sciences: CHEM 105 Principles Of General Chemistry 1 CEHM 106 Principles of General Chemistry 2	CHEM 115/L General Chemistry I/Lab CHEM 116/Lab	General Education – Scientific Reasoning Lab	8
Mathematics: MATH 135 Calculus of a Single Variable 1	MATH 220 Calculus I	General Education (SEE Quantitative Literacy Requirement)	4
Social and Behavioral Sciences: SU Recommends 6 credits from two different disciplines	Social Sciences	General Education SEE Social Sciences Requirement	6
Electives		General Elective	6
Total	60 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 A.S. in Physical Sciences, Physics Concentration will take the following courses at Stevenson to meet the B.S. in Applied Mathematics 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 (42-54 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 470	Capstone Internship	3 credits
	Or	
MATH 471	Capstone Internship	6 credits
MATH 475	Capstone Seminar	3 credits
MATH Electives		6-9 credits
200 Level Writing Intensive		3 credits

