

STEVENSON

U N I V E R S I T Y

Community College of Baltimore County
A.S. in Chemistry, Science Concentration, to B.S. in Chemistry

This transfer plan is intended for students pursuing an A.S. in Chemistry, Science Concentration at Community College of Baltimore County who are interested in pursuing a B.S. in Chemistry 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.
- 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
ENGL 101 English Composition	ENG 151- General Education		3
CSIT 101 or 111 Information Technology	General Elective		3
CMNS 101 Fund. of Communication	Communications Elective		3
Arts and Humanities Gen Ed	Art or Humanities General Education Requirement		3
Social & Behavioral Sciences Gen Ed	Social Science General Education Requirement		3
Social & Behavioral Sciences Gen Ed	Social Science General Education Requirement		3
CHEM 131 General Chemistry I	CHEM 115/115L	Program Requirement	4
CHEM 133 General Chemistry II	CHEM 116/116L	Program Requirement	4
CHEM 200/201 Organic Chemistry I with Lab	CHEM 210/210L	Program Requirement	4
CHEM 202/203 Organic Chemistry II with Lab	CHEM 211/211L	Program Requirement	4
MATH 251 Calculus I	Math 220	Program Requirement	4
MATH 252 Calculus II	MATH 221	Program Requirement	4
MATH 259 Elementary Differential Equations	MATH elective	Elective	3

Community College Degree Requirements	Stevenson Equivalency	Category	Credits Transferred
PHYS 151 General Physics I	PHYS 215	Program Requirement	4
PHYS 251 General Physics II	PHYS 216	Program Requirement	4
BIOL 110 Biology I: Molecular and Cells	BIO 113/113L	Program Requirement	4
Elective: ENGL 102	ENG 152	General Education	3
Total	60 Credits (Generally this should add up to 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 Chemistry, Science Concentration](#) will take the following courses at Stevenson to meet the B.S. 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 (36 credits)

CHEM 213 Digital Information Literacy for Chemistry, 1 credit
CHEM 221 Inorganic Chemistry, 3 credits
CHEM 310 Analytical Chemistry, 3 credits
CHEM 313 Career Connections in Chemistry, 1 credit
CHEM 346L Integrative Lab II, 2 credits
CHEM 431 Physical Chemistry: Quantum Mechanics, 3 credits
CHEM 432 Physical Chemistry: Thermodynamics, 3 credits
BIOCH 327 Biochemistry, 3 credits
BIOCH 345L Integrative Lab I, 2 credits
SCI 215 Writing in the Sciences, 3 credits
Senior Capstone, 9 credits
CHEM Elective, 3 credits

Additional Credits Needed: 24 credits of general electives if needed to reach 120

Total credits to be taken at SU: 60

Suggested Course Sequence

YEAR 3				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	CHEM 213 Digital Information Literacy in Chemistry	1	CHEM 313 Career Connections in Chemistry	1
	CHEM 221 Inorganic Chemistry	3	CHEM 432 Physical Chemistry: Thermodynamics	3
	CHEM 310 Analytical Chemistry	3	BIOCH 327 Biochemistry	3
	CHEM 346L Integrative Lab II	2	BIOCH 345L Integrative Lab I	2
	General Elective	3	SCI 215 Writing in the Sciences	3
	General Elective	3	General Elective	3
CREDITS	15 CREDITS		15 CREDITS	
YEAR 4				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	Senior Capstone	9	CHEM Elective*	3
	CHEM 431 Physical Chemistry: Quantum Mechanics	3	General Elective	3
	General Elective	3	General Elective	3
			General Elective	3
			General Elective	3
CREDITS	15 CREDITS		15 CREDITS	

*Choose from: CHEM 203 Environmental Chemistry, CHEM 206 Herbal Medicines and Remedies, CHEM 365 Independent Research in Chemistry, CHEM 435 Special Topics in Chemistry, BIOCH 427 Advanced Biochemistry