

# STEVENSON

U N I V E R S I T Y

Transfer Plan  
 Carroll Community College  
 Physical Science AS with Chemistry Concentration to SU Chemistry

This transfer plan is intended for students pursuing Physical Science AS with Chemistry Concentration at Carroll Community College who are interested in pursuing a BS 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. 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
<b>Program Requirements</b>			
<b>Program Requirements</b>	BIOL 101: Fundamentals of Biology 1	BIO-113/L: General Biology I: Cell Biology and Genetics	4
	PHYS 111: Physics 1 for Scientists and Engineers	PHYS 215: General Physics I with Calculus	4
	PHYS 212: Physics 2 for Scientists and Engineers	PHYS 216: General Physics I with Calculus	4
	MATH 136: Calculus of a Single Variable 2	MATH 221: Calculus II	4
	CHEM 201 Organic Chemistry 1	CHEM 210/L: Organic Chemistry I with Lab	5
	CHEM 202 Organic Chemistry 2	CHEM 211/L: Organic Chemistry II with Lab	5
	Elective(s)		4
<b>General Education Requirements</b>			
<b>English Composition and literature (6 credits)</b>	ENGL 101	ENG 151: English Composition	3
	ENGL 102	ENG 152: Writing About Literature	3
<b>Arts &amp; Humanities</b>	<ul style="list-style-type: none"> <li>• General Education Fine and Performing Arts or Humanities course</li> <li>• SU recommends COMM 105</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Humanities or Fine Arts requirement depending on selection</i></li> <li>• CM 101: Public Speaking (<i>Communications-Intensive Requirement</i>)</li> </ul>	6

	Carroll Community College	Stevenson University	Credits
<b>Biological and Physical Sciences</b>	CHEM 105 CHEM 106	CHEM 115/L: General Chemistry I with Lab ( <i>Scientific Reasoning-L</i> ) CHEM 116/L: General Chemistry II with Lab	8
<b>Mathematics</b>	MATH 135: Calculus of a Single Variable 1	MATH 220 Calculus I ( <i>Mathematics Requirement</i> )	4
<b>Social and Behavioral Sciences</b>	<ul style="list-style-type: none"> <li>• <i>SU recommends 6 credits from two different disciplines</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Social Science SEE requirement</i></li> </ul>	6
<b>Total</b>	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 Chemistry Concentration will take the following courses at Stevenson to meet the BS in Chemistry 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 (34-37 credits)

BIOCH 327: Biochemistry 3 credits  
 BIOCH 345L: Integrative Laboratory I 2 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 Laboratory II 2 credits  
 CHEM 431: Physical Chemistry: Quantum Mechanics 3 credits  
 CHEM 432: Physical Chemistry: Thermodynamics 3 credits  
 SCI 215: Writing in the Sciences 3 credits  
 Senior Capstone Experience (5-9 credits)  
 Upper-level Chemistry electives (2-8 depending on capstone selection)

Additional credits needed: 23-26 credits of general electives (as needed to meet 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	CHEM 310 Analytical Chemistry	3	CHEM 431 Phys Chem: Quantum Mechanics	3
	CHEM 346L Integrative Laboratory II	2	CHEM 313 Career Connections in Chemistry	1
	CHEM 213 Digital Information Lit for Chem	1	SCI 215: Writing in the Sciences	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
	General Elective	3	General Elective	3
<b>CREDITS</b>	<b>15 CREDITS</b>		<b>16 CREDITS</b>	
YEAR 4				
SEMESTER	FALL		SPRING	
RECOMMENDED COURSES	Senior Capstone Experience	5-9	BIOCH 327 Biochemistry	3
	CHEM 432 Phys Chem: Thermodynamics	3	BIOCH 345L Integrative Lab I	2
	CHEM elective (needed if 5 cr. Capstone is chosen)*	3-4	CHEM elective*	3-4
	CHEM 221 Inorganic Chemistry	3	General Elective	3
			General Elective	3
<b>CREDITS</b>	<b>14-15 CREDITS</b>		<b>14-15 CREDITS</b>	

\*Choose from the following CHEM electives: CHEM 203, Environmental Chemistry; CHEM 206, Herbal Medicines and Remedies; CHEM 330, Advanced Organic Chemistry; CHEM 340, Medicinal Chemistry; CHEM 362 or 365, Independent Research in Chemistry; CHEM 410, Instrumental Analysis; and BIOCH 427, Advanced Biochemistry.