

**STCC Associate in Science in Engineering and Science Transfer (Chemistry Transfer)  
to  
AIC Bachelor of Science in Biochemistry**

STCC Course #	STCC Course Name	STCC Credit	AIC Course #	Sub-category	AIC Course name	AIC Credit
<b>Personal and Professional Development</b>						
Waive	Waive	0	AIC1140		APEX1 (or elective)	1
			AIC2140		APEX2	1
			AIC3140		APEX3	1
			AIC4140		APEX4	1
<b>Civic and Social Responsibility</b>						
<i>(4 courses, 12 credits total, with at least 1 course in each area)</i>						
EL-SOC	General Behavior/Social Science Elective (see AIC approved gen. ed. Sheet)	3		CSR: Individual and Interpersonal Behavior	Civic and Social Responsibility (see AIC approved gen. ed. Sheet)	3
EL-SOC	General Behavior/Social Science Elective (see AIC approved gen. ed. Sheet)	3		CSR: American Heritage/Society	Civic and Social Responsibility (see AIC approved gen. ed. Sheet)	3
EL-SOC	General Behavior/Social Science Elective (see AIC approved gen. ed. Sheet)	3		CSR: Global Perspective	Civic and Social Responsibility (see AIC approved gen. ed. Sheet)	3
				CSR	Civic and Social Responsibility (see AIC approved gen. ed. Sheet)	3
<b>Human Culture and Expression</b>						
<i>(5 courses, 15 credits total, with 2 courses in Composition and Communication and the 3 remaining courses in at least 2 of the remaining 3 areas)</i>						
ENG101	English Composition I	3	ENG1201	HCE: Composition and Communication	English Composition	3
ENG102	Composition 2	3	ENG 1202	HCE: Composition and Communication	Analytical Writing	3
EL-HUM	General Humanities Elective (see AIC approved gen. ed. Sheet)	3		HCE	Human Culture and Expression (see AIC approved gen. ed. Sheet)	3
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<b>Major Requirements</b>						
			BIO1400		Biology I & Lab	4
			BIO3450 OR BIO4030		Genetics & Lab OR Molecular Bi	4
CHM111/CHM111L	General Chemistry I & Lab	4	CHE1600/1601/ 1602	Scientific Perspectives and Inquiry	General Chemistry I with Lab & I	5
CHM112/CHM112L	General Chemistry II & Lab	4	CHE1700/1701/ 1702	Scientific Perspectives and Inquiry	General Chemistry II with Lab &	5
			CHE2200		Introduction to Scientific Literat	1
CHM201/CHM201L	Organic Chemistry 1 & Lab	4	CHE2400/2401		Organic Chemistry I & Lab	4
CHM202/CHM202L	Organic Chemistry 2 & Lab	4	CHE2500/2501		Organic Chemistrty II & Lab	4
			CHE2600/2601		Analytical Chemistry & Lab	4
			CHE3400/3401		Physical Chemistry I & Lab	4
			CHE3500/3501		Physical Chemistry II & Lab	4
			CHE4200/4201		Biochemistry I & Lab	4
			CHE4300/4301		Biochemistry II & Lab	4
			CHE4840		Senior Seminar in Chemistry & L	4
			CHExxxx		Select One: CHE3600/3601, CHE	4
			MAT2004	Quantitative Literacy	Biostatistics	3
MAT131	Calculus 1	4	MAT2400/MAT2401		Calculus I & Lab	4
MAT132	Calculus 2	4	MAT2500/MAT2501		Calculus II & Lab	4
PHY231/PHY231L	Classical Physics 1	4	PHY1600/PHY1601/PHY1602		General Physics I with Lab & Rev	5
PHY232/PHY232L	Classical Physics 2	4	PHY1800/PHY1801/PHY1802		General Physics I with Lab & Rev	5
<b>Electives</b>						
			ELE		Elective or CHE4900, Chemistry	3
EL-GENE	General Elective	4	ELE		Elective	4
			ELE		Elective	3
			ELE		Elective	3
<b>Total Credits Earned at STCC</b>		<b>60</b>	<b>Total AIC Credits Required</b>			<b>60</b>