

**STCC Associate in Science in Engineering and Science Transfer (Biology 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	3		CSR: Individual and Interpersonal Behavior	Civic and Social Responsibility (see AIC approved gen. ed. Sheet)	3
EL-SOC	General Behavior/Social Science Elective	3		CSR: American Heritage/Society	Civic and Social Responsibility (see AIC approved gen. ed. Sheet)	3
EL-SOC	General Behavior/Social Science Elective	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>						
BIO201/BIO201L	Biology I & Lab	4	BIO1400/BIO1401	Scientific Perspectives and Inquiry	Biology I & Lab	4
			BIO3450/BIO3451 OR BIO4030/BIO4031		Genetics & Lab OR Molecular Biology & Lab	4
CHM111/CHM111L	General Chemistry I & Lab	4	CHE1600/CHE1601/CHE1602	Scientific Perspectives and Inquiry	General Chemistry I with Lab & Review	5
CHM112/CHM112L	General Chemistry II & Lab	4	CHE1700/CHE1701/CHE1702		General Chemistry II with Lab & Review	5
			CHE2200		Introduction to Scientific Literature	1
			CHE2400/CHE2401		Organic Chemistry I & Lab	4
			CHE2500/CHE2500		Organic Chemistry 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 & Lab	4
			CHExxxx		Select One: CHE3600/3601, CHE3650/3651, OR CHE4050/4051	4
			MAT1840		College Algebra and Trigonometry	4
MAT115	Statistics (not same course but will meet MAT2004 requirement)	3	MAT2004	Quantitative Literacy	Biostatistics	3
					Calculus I & Lab	4
					Calculus II & Lab	4
					General Physics I with Review & Lab	5
					General Physics II with Review & Lab	5
<b>Electives</b>						
BIO202/BIO202L	Biology II & Lab	4	BIO1500/BIO1501		Biology II with Lab	4
EL-GEN	General Elective	3	ELE		Elective	3
EL-GEN	General Elective	3	ELE		Elective	3
MAT130, MAT131, MAT124, or MAT125	Precalculus Mathematics, Calculus 1, Technical Math 1, or Technical Math 2	4	MAT131 subs for Calc 1 as shown above, others are electives		Elective or Major requirement, as shown above	4
CHM201/ 201L, CHM202/ 202L, PHY221/ 221L, PHY222/ 222L, PHY231/ 231L, PHY232/ 232L, or MAT131	Organic Chemistry 1 with lab, Organic Chemistry 2 with lab, Physics 1 with lab, Physics 2 with lab, Classical Physics 1 with lab, Classical Physics 2 with lab, or Calculus 1	4	Complete major requirement, as shown above		Major requirement, as shown above	credit counted above
CHM201/ 201L, CHM202/ 202L, PHY221/ 221L, PHY222/ 222L, PHY231/ 231L, PHY232/ 232L, or MAT131	Organic Chemistry 1 with lab, Organic Chemistry 2 with lab, Physics 1 with lab, Physics 2 with lab, Classical Physics 1 with lab, Classical Physics 2 with lab, or Calculus 1	4	Complete major requirement, as shown above		Major requirement, as shown above	credit counted above
<b>Total Credits Earned at STCC</b>		<b>61</b>	<b>Total AIC Credits Required</b>		<b>64</b>	