

**B.S. Chemistry: Biochemistry**

This pathway leads from an Chemistry A.S. (TTP) degree from Chattanooga State Community College to a Bachelor of Science degree with a major in Chemistry: Biochemistry from the University of Tennessee at Chattanooga.

**Chattanooga State Community College**

<b>First Year – 34 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II*	3
CHEM 1110: General Chemistry I	4	CHEM 1120: General Chemistry II*	4
MATH 1910: Calculus I	4	MATH 1920: Calculus II*	4
History to satisfy Gen Ed	3	History to satisfy Gen Ed	3
Humanities/Fine Arts to satisfy Gen Ed	3	Humanities/Fine Arts to satisfy Gen Ed	3
	17		17
<b>Second Year – 28 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
CHEM 2010: Organic Chemistry I	4	CHEM 2020: Organic Chemistry II*	4
PHYS 2110: Calculus-Based Physics I (or PHYS 2010: Non-Calculus Physics I)	4	PHYS 2120: Calculus-Based Physics II (or PHYS 2020: Non-Calculus Physics II)*	4
COMM 2025: Fundamentals of Communication	3	Literature to satisfy Gen Ed	3
Social/Behavioral Science to satisfy Gen Ed**	3	Social/Behavioral Science to satisfy Gen Ed**	3
	14		14

\* Must earn a C or better grade

\*\*Students who select the Chemistry TTP with the intention to concentrate in pre-med or other pre-health related fields are strongly recommended to take PSYC 1030 and SOCI 1010

Students should verify Chattanooga State Community College graduation requirements per catalog

**University of Tennessee at Chattanooga**

<b>Third Year – 31-33 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
CHEM 3210/3210L: Quantitative Analysis/Lab	4	CHEM 4510: Biochemistry	3
CHEM 3310: Inorganic Chemistry	3	BIOL 1120/1120L: Principles of Biology II	4
CHEM 3820: Chemical Literature	1	BIOL 1130: Principles of Biology III	3
BIOL 1110/1110L: Principles of Biology I	4	MATH 2100: Introductory Statistics or MATH 3100: Applied Statistics	3
Foreign Language Sequence I***	3-4	Foreign Language Sequence II***	3-4
	15-16		16-17
<b>Fourth Year – 27-29 Hours</b>			
<i>Fall Semester:</i>	<b>Hrs</b>	<i>Spring Semester:</i>	<b>Hrs</b>
CHEM 2810: Scientific Communication	2	CHEM 3720/3720L: Physical Chemistry II/Lab	4
CHEM 3710/3710L: Physical Chemistry I/Lab	4	CHEM 4530: Proteins & Nucleic Acids	4
CHEM 4230/4230L: Instrumental Analysis/Lab	4	Approved Biology Elective	4
CHEM 4830r: Seminar	1	Elective	0-2
Approved Chemistry Research Elective	1		
BIOL 3250: Genetics	3		
	15		12-14

\*\*\*One year sequence of a single foreign language

<b>Completed:</b>			
<b>Graduation Requirements:</b>		<b>Degree Requirements:</b>	
120 Total Hours		30 General Education Hours	
39 Upper Division (3000-4000) Hours		84 Program (Major) Hours	
30 Hours at UTC		Minor ( <i>Not Required</i> )	
60 Hours at 4-year institution		0-2 Elective Hours	
		6-8 Foreign Language Hours	

This Transfer Path is a supplemental resource only. Students should consult their catalog year for official lists of general education courses, program requirements, pre-requisites, and co-requisites.