

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

First Year – 34 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
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
Second Year – 28 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
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

Third Year – 31-33 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
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
Fourth Year – 27-29 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
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
CHEM 4995r: Dept. Thesis or 4997r: Research	1		
BIOL 3250: Genetics	3		
	15		12-14

***One year sequence of a single foreign language

Completed:			
Graduation Requirements:		Degree Requirements:	
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.