



AS – Chemistry to BS – Biology Biotechnology Concentration 2024-2025 Transfer Pathway



AS Degree Requirements							
Temple College							
TC	TAMUCT	Course Name	SCH	TC	TAMUCT	Course Name	SCH
CHEM 1411 ²	CHEM 1411	General Chemistry I	4	CHEM 2423 ²	CHEM 2423	Organic Chemistry I	4
MATH 2413 ²	CORE 020	Calculus I	4	PHYS 1401 ²	PHYS 1401	College Physics I	4
ENGL 1301	CORE 010	Composition I	3	GOVT 2305	CORE 070	Federal Government	3
ENGL 1302	CORE 010	Composition II	3	GOVT 2306	CORE 070	Texas Government	3
CHEM 1412 ²	CORE 090	General Chemistry II	4	CHEM 2425 ²	CHEM 2425	Organic Chemistry II	4
MATH 2414	MATH 2414	Calculus II	4	PHYS 1402 or PHYS 2426	PHYS 1402 or PHYS 2426	College Physics II or University Physics II	4
HIST 1301	CORE 060	United States History I	3	CORE 040	CORE 040	Language, Philosophy, Culture Core	3
HIST 1302	CORE 060	United States History II	3	CORE 050	CORE 050	Creative Arts Core	3
CORE 080	CORE 080	Social/Behavioral Science Core	3	BIOL 1406 ²	CORE 030	Biology for Science Majors I (Lecture + Lab)	4
Subtotal							63

Additional Lower-Level Degree Requirements			
Temple College			
Temple College	Texas A&M University - Central Texas	Course Name	SCH
BIOL 1407 ²	CORE 030	Biology for Science Majors II (Lecture + Lab)	4
BIOL 2421 ²	BIOL 2421	Microbiology for Science Majors	4
Subtotal			8

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
BIOL 3452 ²	Principles of Genetics	4	BIOL 4471 ²	Molecular Biology	4
CHEM 4430 ²	Biochemistry I	4	BIOL 4475 ²	Proteomics	4
CHEM 3415 ²	Analytical Chemistry	4	BIOL 4380 ²	Evolution	3
MATH 3350 ²	Principles of Bio-Statistics	3	BIOL 4451 ²	Bioinformatics	4
BIOL 4470 ²	Cell Biology	4	BIOL 4395 ²	Biology Capstone	3
CHEM 4415 ²	Instrumental Analysis	4	Elective	Elective - Faculty Approved	4
BIOL 3380 ²	Research Methods	3	Elective	Elective - Faculty Approved	3
Subtotal					51
Total					122

Notes/Comments

TAMUCT offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at TC. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, students should speak with an [academic advisor](#) or [enrollment specialist](#). *This pathway is intended for planning and visualization purposes and is subject to change.*

- The AS does not meet all the course requirements for the bachelor's degree. Students will need to complete the remaining lower-level courses at Temple College. It is recommended to seek guidance from a [financial aid advisor](#) regarding the consortium agreement process.
- Courses must be completed with a "C" or better.