



AS – Chemistry to BS – Biology Biotechnology Concentration 2022-2023 Transfer Pathway



AS Degree Requirements

Temple College

TEMPLE	TAMUCT	Course Name	SCH	TEMPLE	TAMUCT	Course Name	SCH
CHEM 1411 ²	CHEM 1411	General Chemistry I	4	CHEM 2423 ²	CHEM 2423	Organic Chemistry I (Lecture + Lab)	4
MATH 2413	CORE 020	Calculus I	4	PHYS 1401 ²	PHYS 1401	College Physics I (Lecture + Lab)	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 (Lecture + Lab)	4
MATH 2414	CORE 090	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 Selection	3
HIST 1302	CORE 060	United States History II	3	CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 080	CORE 080	Social/Behavioral Science Core Selection	3	Additional SCH	Additional SCH	Additional Semester Credit Hours	1
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements

Temple College or Texas A&M University – Central Texas

Temple College	Texas A&M University - Central Texas	Course Name	SCH
BIOL 1406 ^{1,2}	CORE 030	Biology for Science Majors I (Lecture + Lab)	4
BIOL 1407 ^{1,2}	CORE 030	Biology for Science Majors II (Lecture + Lab)	4
BIOL 2421 ^{1,2}	BIOL 2421	Microbiology for Science Majors	4
Subtotal			12

Upper-Level Degree Requirements

Texas A&M University - Central Texas

Texas A&M University - Central Texas	Course Name	SCH	Texas A&M University - Central Texas	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 – Faculty Approved	Elective – Faculty Approved	4
BIOL 3380 ²	Research Methods	3	Elective – Faculty Approved	Elective – Faculty Approved	4
Subtotal					52
Total					124

Notes/Comments

Texas A&M-Central Texas is an upper-level institution offering 3xxx-5xxx level courses. All 1xxx-2xxx level courses must be completed at a different institution.

For help with pathway planning, student should speak with an [academic advisor](#). This guide is intended for planning and visualization purposes only.

- Not all bachelor's degree requirement courses are completed with the AS. Student will need to complete these remaining lower-level courses at the community college. Please consult a TAMUCT financial aid counselor regarding the consortium agreement process.
- Courses must be completed with a "C" or better.