



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



AS Degree Requirements

Temple College

TEMPLE	TAMUCT	Course Name	SCH	TEMPLE	TAMUCT	Course Name	SCH
BIOL 1406 ⁴	CORE 030	Biology for Science Majors I (Lecture + Lab)	4	CHEM 1411 ⁴	CHEM 1411	General Chemistry I (Lecture + Lab)	4
ENGL 1301	CORE 010	Composition I	3	PHYS 1401 ⁴	PHYS 1401	College Physics I	4
BIOL 1407 ⁴	CORE 030	Biology for Science Majors (Lecture + Lab)	4	HIST 1301	CORE 060	United States History I	3
ENGL 1302	CORE 010	Composition II	3	HIST 1302	CORE 060	United States History II	3
BIOL Elective	BIOL 2421 ^{4,5}	Microbiology for Science Majors	4	CHEM 1412 ⁴	CORE 090	General Chemistry II	4
MATH 2413	CORE 020	Calculus I	4	GOVT 2305	CORE 070	Federal Government	3
BIOL Elective	CHEM 2423 ^{4,5}	Organic Chemistry I (Lecture + Lab)	4	BIOL Elective	CHEM 2425 ^{4,5}	Organic Chemistry II (Lecture + Lab)	4
CORE 050	CORE 050	Creative Arts Core Selection	3	GOVT 2306	CORE 070	Texas Government	3
CORE 080	CORE 080	Social/Behavioral Science Core Selection	3	CORE 040	CORE 040	Language, Philosophy & Culture Core Selection	3
Subtotal							63

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
Any Level Elective ^{1,2,3}	Any Level Elective	Any Level Elective	5
Subtotal			5

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 ⁴	Principles of Genetics	4	BIOL 4471 ⁴	Molecular Biology	4
CHEM 4430 ⁴	Biochemistry I	4	BIOL 4475 ⁴	Proteomics	4
CHEM 3415 ⁴	Analytical Chemistry	4	BIOL 4380 ⁴	Evolution	3
MATH 3350 ⁴	Principles of Bio-Statistics	3	BIOL 4451 ⁴	Bioinformatics	4
BIOL 4470 ⁴	Cell Biology	4	BIOL 4395 ⁴	Biology Capstone	3
CHEM 4415 ⁴	Instrumental Analysis	4	Elective – Faculty Approved	Elective – Faculty Approved	4
BIOL 3380 ⁴	Research Methods	3	Elective – Faculty Approved	Elective – Faculty Approved	4
Subtotal					52
Total					120

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.
- Any-level electives may be taken at either Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
- Lower-Level Electives, Any Level Electives, Component Area Options or Degree Requirements (DEG REQ) may consist of the FOS courses: BIOL 1406, BIOL 1407, CHEM 1411, CHEM 1412, CHEM 2423, PHYS 1401 or (the 3-credit hour course plus the 1 credit hour lab).
- Courses must be completed with a "C" or better.
- This course is required for the BS Degree but not the AS Degree.