



# AS – Biology to BS – Biology Biotechnology Concentration 2023-2024 Transfer Pathway



AS Degree Requirements							
Temple College							
TEMPLE	TAMUCT	Course Name	SCH	TEMPLE	TAMUCT	Course Name	SCH
BIOL 1406 <sup>3</sup>	CORE 030	Biology for Science Majors I	4	CHEM 1411 <sup>3</sup>	CHEM 1411	General Chemistry I	4
ENGL 1301	CORE 010	Composition I	3	PHYS 1401 <sup>3</sup>	PHYS 1401	College Physics I	4
BIOL 1407 <sup>3</sup>	CORE 030	Biology for Science Majors II	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	BIO 2421 <sup>3,4</sup>	Microbiology for Science Majors	4	CHEM 1412 <sup>3</sup>	CORE 090	General Chemistry II	4
MATH 2413 <sup>3</sup>	CORE 020	Calculus I	4	GOVT 2305	CORE 070	Federal Government	3
BIOL Elective	CHEM 2423 <sup>3,4</sup>	Organic Chemistry I	4	BIOL Elective	CHEM 2425 <sup>3,4</sup>	Organic Chemistry II	4
CORE 050	CORE 050	Creative Arts Core	3	GOVT 2306	CORE 070	Texas Government	3
CORE 080	CORE 080	Social/Behavioral Science Core	3	CORE 040	CORE 040	Language, Philosophy, Culture Core	3
<b>Subtotal</b>							<b>63</b>

Additional Lower-Level or Upper-Level Degree Requirements			
Temple College or Texas A&M – Central Texas			
Temple College	Texas A&M University - Central Texas	Course Name	SCH
Any Level Elective <sup>1,2</sup>	Degree Requirement	Any Level Elective	5
<b>Subtotal</b>			<b>5</b>

Upper-Level Degree Requirements					
Texas A&M University - Central Texas (TAMUCT)					
TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
BIOL 3452 <sup>3</sup>	Principles of Genetics	4	BIOL 4471 <sup>3</sup>	Molecular Biology	4
CHEM 4430 <sup>3</sup>	Biochemistry I	4	BIOL 4475 <sup>3</sup>	Proteomics	4
CHEM 3415 <sup>3</sup>	Analytical Chemistry	4	BIOL 4380 <sup>3</sup>	Evolution	3
MATH 3350 <sup>3</sup>	Principles of Bio-Statistics	3	BIOL 4451 <sup>3</sup>	Bioinformatics	4
BIOL 4470 <sup>3</sup>	Cell Biology	4	BIOL 4395 <sup>3</sup>	Biology Capstone	3
CHEM 4415 <sup>3</sup>	Instrumental Analysis	4	Elective - Faculty Approved	Elective - Faculty Approved	4
BIOL 3380 <sup>3</sup>	Research Methods	3	Elective - Faculty Approved	Elective - Faculty Approved	4
<b>Subtotal</b>					<b>52</b>
<b>Total</b>					<b>120</b>

### Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Temple College.

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

1. Not all Degree Requirement courses are completed with the AS. Students will need to complete these remaining lower-level courses at Temple College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Any-level electives may be taken at either at Texas A&M University-Central Texas or at Temple College. Please consult with an academic advisor prior to selecting any-level electives.
3. Courses must be completed with a "C" or better.
4. This course is required for the BS Degree but not the AS Degree.