



**AS – Chemistry to  
BS – Biology  
Ecology Conservation Concentration  
2022-2023 Transfer Pathway**



**AS Degree Requirements**

**Temple College**

TEMPLE	TAMUCT	Course Name	SCH	TEMPLE	TAMUCT	Course Name	SCH
CHEM 1411 <sup>2</sup>	CHEM 1411	General Chemistry I	4	CHEM 2423 <sup>2</sup>	CHEM 2423	Organic Chemistry I (Lecture + Lab)	4
MATH 2413	CORE 020	Calculus I	4	PHYS 1401 <sup>2</sup>	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 <sup>2</sup>	CORE 090	General Chemistry II	4	CHEM 2425 <sup>2</sup>	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
<b>Subtotal</b>							<b>60</b>

**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 <sup>1,2</sup>	CORE 030	Biology for Science Majors I (Lecture + Lab)	4
BIOL 1407 <sup>1,2</sup>	CORE 030	Biology for Science Majors II (Lecture + Lab)	4
BIOL 2421 <sup>1,2</sup>	BIOL 2421	Microbiology for Science Majors	4
<b>Subtotal</b>			<b>12</b>

**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 <sup>2</sup>	Principles of Genetics	4	BIOL 4380 <sup>2</sup>	Evolution	3
BIOL 3401 <sup>2</sup>	Ecology	4	BIOL 4302 <sup>2</sup>	Restoration Ecology	3
CHEM 4430 <sup>2</sup>	Biochemistry I	4	BIOL 4395 <sup>2</sup>	Biology Capstone	3
MATH 3350 <sup>2</sup>	Principles of Bio-Statistics	3	BIOL 4346 <sup>2</sup>	Animal Behavior	3
BIOL 4301 <sup>2</sup>	Conservation Biology	3	BIOL 3430 <sup>2</sup>	Botany	4
BIOL 3440 <sup>2</sup>	Invertebrate Zoology	4	Elective – Faculty Approved	Elective – Faculty Approved	3
BIOL 3380 <sup>2</sup>	Research Methods	3	Elective – Faculty Approved	Elective – Faculty Approved	4
CHEM 4431 <sup>2</sup>	Biochemistry II	4			
<b>Subtotal</b>					<b>52</b>
<b>Total</b>					<b>124</b>

**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.