AS – Biology to
BS – Biology – Ecology/Conservation Concentration
2025-2026 Transfer Pathway

Central Texas College
AS Degree Requirements

CTC	Course Name	SCH	TAMUCT	CTC	Course Name	SCH	TAMUCT
MATH 1414	College Algebra (Calculus Path)	4	*MATH 1414*	CORE 040	Language/Philosophy/Culture Core	3	*CORE 040*
BIOL 1406	Biology for Science Majors I	4	*CORE 030*	CHEM 1412	General Chemistry II	4	*CORE 090*
ENGL 1301	Composition I	3	*CORE 010*	CHEM 2423	Organic Chemistry I	4	*CHEM 2423*
HIST 1301	United States History I	3	*CORE 060*	GOVT 2305	Federal Government	3	*CORE 070*
KINE X1XX	Physical Activity	1	*KINE X1XX*	CORE 080	Social and Behavioral Sciences Core	3	*CORE 080*
BIOL 1407	Biology for Science Majors II	4	*CORE 030*	BIOL 2421	Microbiology for Science Majors	4	*BIOL 2421*
SPCH 1315 SPCH 1318 or SPCH 1321	Public Speaking Interpersonal Communication or Business & Professional Communication	3	*CORE 010*	PHYS 1401	College Physics I	4	*PHYS 1401*
HIST 1302	United States History II	3	*CORE 060*	GOVT 2306	Texas Government	3	*CORE 070*
CHEM 1411	General Chemistry I	4	*CHEM 1411*	CORE 050	Creative Arts Core	3	*CORE 050*
						Subtotal	**60**

Central Texas College or Texas A&M University – Central Texas
Additional Lower-Level Degree Requirements

Central Texas College	Texas A&M University – Central Texas	Course Name	SCH
MATH 2413[1]	CORE 020	Calculus I	4
CHEM 2425[1,2]	CHEM 2425	Organic Chemistry II	4
Any Level Elective[1]	Any Level Elective	Any Level Elective	1
		Subtotal	**9**

Texas A&M University - Central Texas
BS Degree Requirements

TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
BIOL 3452[2]	Principles of Genetics	4	BIOL 4380[2]	Evolution	3
BIOL 3401[2]	Ecology	4	BIOL 4302[2]	Restoration Ecology	3
CHEM 4430[2]	Biochemistry I	4	BIOL 4395[2]	Biology Capstone	3
MATH 3350[2]	Principles of Bio-Statistics	3	BIOL 4346[2]	Animal Behavior	3
BIOL 4301[2]	Conservation Biology	3	BIOL 3430[2]	Botany	3
BIOL 3440[2]	Invertebrate Zoology	4	Elective	Elective - Faculty Approved	3
BIOL 3380[2]	Research Methods	3	Elective	Elective - Faculty Approved	3
CHEM 4431[2]	Biochemistry II	4			
				Subtotal	**51**
				Total	**120**

Notes/Comments

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

1. The **AS** does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at CTC. Please discuss the consortium agreement procedure with a TAMUCT financial aid advisor.
2. Courses must be completed with a "C" or better.