



AS – Biology to BS – Biology – Ecology Concentration 2024-2025 Transfer Pathway



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1300	EDUC 1300	Learning Framework	3	BIOL 2421 ²	BIOL 2421	Microbiology for Science Majors	4
ENGL 1301	CORE 010	English Composition I	3	CHEM 1312 ²	CORE 090	General Chemistry II - Lecture	3
BIOL 1406 ²	CORE 030	Cellular and Molecular Biology	4	CHEM 1112 ²	CORE 090	General Chemistry II - Lab	1
MATH 2412	MATH 2412	Precalculus: Functions and Graphs	4	PHYS 1401 ²	PHYS 1401	General College Physics I	4
ENGL 1302	CORE 010	English Composition II	3	GOVT 2306	CORE 070	Texas State and Local Government	3
BIOL 1407 ²	CORE 030	Structure and Function of Organisms	4	HIST 1302	CORE 060	United States History II	3
MATH 2413 ²	CORE 020	Calculus I	4	ENGL 2327	CORE 040	American Literature: Beginnings through Civil War	3
CHEM 1311 ²	CORE 090	General Chemistry I - Lecture	3	CHEM 2425 ²	CHEM 2425	Organic Chemistry II	4
CHEM 1111 ²	CORE 090	General Chemistry I - Lab	1	CHEM 2323 ²	CHEM 2323	Organic Chemistry I - Lecture	3
HIST 1301	CORE 060	United States History I	3	CHEM 2123 ²	CHEM 2123	Organic Chemistry I - Lab	1
GOVT 2305	CORE 070	United States Government	3				
Subtotal							64

Additional Lower-Level Degree Requirements			
Austin Community College or Texas A&M – Central Texas			
Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 050 ¹	CORE 050	Creative Arts Core	3
CORE 080 ¹	CORE 080	Social & Behavioral Science Core	3
Subtotal			6

Upper-Level Degree Requirements					
Texas A&M University - Central Texas					
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	4
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					121

Notes/Comments

TAMUCT offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at ACC. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours as some courses necessary 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 these remaining lower-level courses at ACC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Courses must be completed with a "C" or better.