



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



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1300 ¹	EDUC 1300	Learning Framework: Effective Strategies for College Success	3	Biology Elective	BIOL 2421 ³	Microbiology for Science Majors	4
ENGL 1301	CORE 010	English Composition I	3	CHEM 1312	CORE 090 ³	General Chemistry II (Lecture)	3
BIOL 1406 ³	CORE 030	Cellular and Molecular Biology	4	CHEM 1112	CORE 090 ³	General Chemistry II (Lab)	1
MATH 2412	MATH 2412	Precalculus Function and Graphs	4	PHYS 1401	PHYS 1401 ³	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 ³	CORE 030	Structure and Function of Organisms	4	HIST 1302	CORE 060	United States History II	3
MATH 2413	CORE 020	Calculus I	4	ENGL 2327	CORE 040	American Literature: Beginnings through Civil War	3
CHEM 1311	CHEM 1311 ³	General Chemistry I (Lecture)	3	Biology Elective	CHEM 2325 ³	Organic Chemistry II (Lecture)	3
CHEM 1111	CHEM 1111 ³	General Chemistry I (Lab)	1	Biology Elective	CHEM 2125 ³	Organic Chemistry II (Lab)	1
HIST 1301	CORE 060	United States History I	3	CHEM 2323	CHEM 2323 ³	Organic Chemistry I (Lecture)	3
GOVT 2305	CORE 070	United States Government	3	CHEM 2123	CHEM 2123 ³	Organic Chemistry I (Lab)	1
Subtotal							64

Additional Lower-Level or Upper-Level Degree Requirements			
Austin Community College or Texas A&M University – Central Texas			
Austin Community College	Texas A&M University - Central Texas	Course Name	SCH
CORE 050 ²	CORE 050	Creative Arts Core Selection	3
CORE 080 ²	CORE 080	Social and Behavioral Science Core Selection	3
Subtotal			6

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 ³	Principles of Genetics	4	BIOL 4471 ³	Molecular Biology	4
CHEM 4430 ³	Biochemistry I	4	BIOL 4475 ³	Proteomics	4
CHEM 3415 ³	Analytic Chemistry	4	BIOL 4380 ³	Evolution	3
MATH 3350 ³	Principles of Bio-Statistics	3	BIOL 4451 ³	Bioinformatics	4
BIOL 4470 ³	Cell Biology	4	BIOL 4395 ³	Biology Capstone	3
CHEM 4415 ³	Instrumental Analysis	4	Elective – Faculty Approved	Elective – Faculty Approved	4
BIOL 3380 ³	Research Methods	3	Elective – Faculty Approved	Elective – Faculty Approved	4
Subtotal					52
Total					122

Notes/Comments

The following Pathway Plan is suggested for full-time students. A part-time student will need more time to complete this pathway. For assistance with pathway planning, students should schedule an appointment with an academic advisor. This guide is for planning and visualization purposes only.

1. All first time Austin Community College (ACC) students with fewer than 12 SCH of successful college credit must take EDUC 1300 in their first semester at ACC. All other students may select either EDUC 1300 or a speech course from the Component Area Option section of the Core Curriculum Course List. Consult with an advisor or a full-time faculty member in the Biology program for more information.
2. Not all Degree Requirement courses are completed with the AS. Students 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.
3. Courses must be completed with a "C" or better.