



**AS – Biology to  
BS – Biology – Biotechnology Concentration  
2025-2026 Transfer Pathway**



**Austin Community College (ACC)**

**AS Degree Requirements**

ACC	Course Name	SCH	TAMUCT	ACC	Course Name	SCH	TAMUCT
EDUC 1300	Learning Framework	3	EDUC 1300	BIOL 2421 <sup>2</sup>	Microbiology for Science Majors	4	BIOL 2421
ENGL 1301	English Composition I	3	CORE 010	CHEM 1312 <sup>2</sup>	General Chemistry II - Lecture	3	CORE 090
BIOL 1406 <sup>2</sup>	Cellular and Molecular Biology	4	CORE 030	CHEM 1112 <sup>2</sup>	General Chemistry II - Lab	1	CORE 090
MATH 2412	Precalculus: Functions and Graphs	4	MATH 2412	PHYS 1401 <sup>2</sup>	General College Physics I	4	PHYS 1401
ENGL 1302	English Composition II	3	CORE 010	GOVT 2306	Texas State and Local Government	3	CORE 070
BIOL 1407 <sup>2</sup>	Structure and Function of Organisms	4	CORE 030	HIST 1302	United States History II	3	CORE 060
MATH 2413 <sup>2</sup>	Calculus I	4	CORE 020	ENGL 2327	American Literature: Beginnings through Civil War	3	CORE 040
CHEM 1311 <sup>2</sup>	General Chemistry I - Lecture	3	CHEM 1311	CHEM 2323 <sup>2</sup>	Organic Chemistry I - Lecture	3	CHEM 2323
CHEM 1111 <sup>2</sup>	General Chemistry I - Lab	1	CHEM 1111	CHEM 2123 <sup>2</sup>	Organic Chemistry I - Lab	1	CHEM 2123
HIST 1301	United States History I	3	CORE 060	CHEM 2325 <sup>2</sup>	Organic Chemistry II - Lecture	3	CHEM 2325
GOVT 2305	United States Government	3	CORE 070	CHEM 2125 <sup>2</sup>	Organic Chemistry II - Lab	1	CHEM 2125
<b>Subtotal</b>						<b>64</b>	

**Austin Community College (ACC) or Texas A&M University–Central Texas (TAMUCT)**

**Additional Lower-Level Degree Requirements**

Austin Community College	Texas A&M University–Central Texas	Course Name	SCH
CORE 050 <sup>1</sup>	CORE 050	Creative Arts Core	3
CORE 080 <sup>1</sup>	CORE 080	Social and Behavioral Sciences Core	3
<b>Subtotal</b>			<b>6</b>

**Texas A&M University–Central Texas (TAMUCT)**

**BS Degree Requirements**

TAMUCT	Course Name	SCH	TAMUCT	Course Name	SCH
BIOL 3452 <sup>2</sup>	Principles of Genetics	4	BIOL 4471 <sup>2</sup>	Molecular Biology	4
CHEM 4430 <sup>2</sup>	Biochemistry I	4	BIOL 4475 <sup>2</sup>	Proteomics	4
CHEM 3415 <sup>2</sup>	Analytical Chemistry	4	BIOL 4380 <sup>2</sup>	Evolution	3
MATH 3350 <sup>2</sup>	Principles of Bio-Statistics	3	BIOL 4451 <sup>2</sup>	Bioinformatics	4
BIOL 4470 <sup>2</sup>	Cell Biology	4	BIOL 4395 <sup>2</sup>	Biology Capstone	3
CHEM 4415 <sup>2</sup>	Instrumental Analysis	4	Elective	Faculty Approved	4
BIOL 3380 <sup>2</sup>	Research Methods	3	Elective	Faculty Approved	3
<b>Subtotal</b>					<b>51</b>
<b>Total</b>					<b>121</b>

**Notes/Comments**

TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should 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 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 ACC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Courses must be completed with a "C" or better.