



## AS – Biology to BS – Biology with Biotechnology Concentration 2021-2022 Transfer Pathway



AS Degree Requirements							
Austin Community College							
ACC	TAMUCT	Course Name	SCH	ACC	TAMUCT	Course Name	SCH
EDUC 1300	EDUC 1300	Learning Framework: Effective Strategies for College Success	3	CHEM 1312 <sup>2</sup>	CORE 090	General Chemistry II - Lecture	3
ENGL 1301	CORE 010	English Composition I	3	CHEM 1112 <sup>2</sup>	CORE 090	General Chemistry II – Lab	1
BIOL 1406 <sup>2</sup>	CORE 030	Cellular and Molecular Biology	4	PHYS 1401 <sup>2</sup>	CORE 090	General College Physics I	4
MATH 2412	MATH 2412	Precalculus: Functions and Graphs	3	GOVT 2306	CORE 070	Texas State and Local Government	3
ENGL 1302	CORE 010	English Composition II	3	HIST 1302	CORE 060	United States History II	3
BIOL 1407 <sup>2</sup>	CORE 030	Structure and Function of Organisms	4	ENGL 2327	CORE 040	American Literature: Beginnings through Civil War	3
MATH 2413	CORE 020	Calculus I	4	CHEM 2323 <sup>2</sup>	CHEM 2323	Organic Chemistry I – Lecture	3
CHEM 1311 <sup>2</sup>	CHEM 1311	General Chemistry I – Lecture	3	CHEM 2123 <sup>2</sup>	CHEM 2123	Organic Chemistry I - Lab	1
CHEM 1111 <sup>2</sup>	CHEM 1111	General Chemistry I – Lab	1	HIST 1301	CORE 060	United States History I	3
BIOL 2421 <sup>2</sup>	BIOL 2421	Microbiology	4	CHEM 2325 <sup>2</sup>	CHEM 2325	Organic Chemistry II – Lecture	3
GOVT 2305	CORE 070	United States Government	3	CHEM 2125 <sup>2</sup>	CHEM 2125	Organic Chemistry II – Lab	1
<b>Subtotal</b>							<b>63</b>

Additional Lower-Level or Upper-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 <sup>1</sup>	CORE 050	CORE Creative Arts	3
CORE 080 <sup>1</sup>	CORE 080	CORE Social and Behavioral Sciences	3
<b>Subtotal</b>			<b>6</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>	Principled 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	Elective – Faculty Approved	4
BIOL 3380 <sup>2</sup>	Research Methods	3	Elective – Faculty Approved	Elective – Faculty Approved	4
<b>Subtotal</b>					<b>52</b>
<b>Total</b>					<b>121</b>

### Notes/Comments

The following Pathway Plan is suggested for full-time students. 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. Not all 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.
2. Course must be completed with a "C" or better.