



**2021 - 2022 Transfer Pathway**  
**Associate of Science - Biology (Human Biology)**  
 to  
**Bachelor of Science - Biology (Biotechnology)**



**TEXAS A&M**  
**UNIVERSITY**  
 CENTRAL TEXAS™

**AS Degree Requirements**

(Taken at Central Texas College)

CTC	TAMUCT	Name	SCH
ENGL 1301 (010)	ENGL 1301 (010)	Composition I (010)	3
SPCH 1315, 1318, or 1321 (010)	SPCH 1315, 1318, or 1321 (010)	SPCH 1315, 1318, or 1321 (010)	3
MATH 1414 (020)	MATH 1414 (020)	College Algebra (020)	4
BIOL 1406 (030)	BIOL 1406 (030)	Biology for Science Majors I (030)*	4
BIOL 1407 (030)	BIOL 1407 (030)	Biology for Science Majors II (030)*	4
CORE REQ (040)	CORE REQ (040)	Language, Philosophy, and Culture Selection (040)	3
CORE REQ (050)	CORE REQ (050)	Creative Arts Selection (050)	3
HIST 1301 (060)	HIST 1301 (060)	U.S. History I (060)	3
HIST 1302 (060)	HIST 1302 (060)	U.S. History II (060)	3
GOVT 2305 (070)	GOVT 2305 (070)	Federal Government (070)	3
GOVT 2306 (070)	GOVT 2306 (070)	Texas Government (070)	3
CORE REQ (080)	CORE REQ (080)	Social and Behavioral Science Selection (080)	3
CHEM 1411 (090)	CHEM 1411 (090)	General Chemistry I (090)*	4
CHEM 1412	CHEM 1412	General Chemistry II*	4
BIOL 2421	BIOL 2421	Microbiology for Science Majors*	4
CHEM 2423	CHEM 2423	Organic Chemistry I*	4
CHEM 2425	CHEM 2425	Organic Chemistry II*	4
KINE Elective	KINE Elective	Kinesiology Elective	1
<b>Subtotal</b>			<b>60</b>

**Additional Lower-Level Degree Requirements**

(Taken at Central Texas College)

CTC	TAMUCT	Name	SCH
PHYS 1401	PHYS 1401	College Physics*	4
MATH 2413 <sup>1</sup>	MATH 2413 <sup>1</sup>	Calculus I <sup>1</sup>	4
<b>Subtotal</b>			<b>8</b>

**Upper-Level Degree Requirements**

(Taken at Texas A&M University - Central Texas)

CTC	TAMUCT	Name	SCH
	BIOL 3452	Principles of Genetics*	4
	CHEM 3415	Analytical Chemistry*	4
	CHEM 4430	Biochemistry I*	4
	MATH 3350	Principles of Bio-Statistics*	3
	BIOL 4470	Cell Biology*	4
	CHEM 4415	Instrumental Analysis*	4
	BIOL 3380	Research Methods*	3
	BIOL 4471	Molecular Biology*	4
	BIOL 4380	Evolution*	3
	BIOL 4475	Proteomics*	4
	BIOL 4451	Bioinformatics*	4
	BIOL 4395	Biology Capstone*	3
	Elective - Faculty Approved	Elective - Faculty Approved	8
<b>Subtotal</b>			<b>52</b>

**Total: 120**

**Notes**

-This guide is for planning and visualization purposes only. Please contact your academic advisor to establish a course schedule.

-Courses listed with an asterisk (\*) must be completed with a "C" or better.

<sup>1</sup>Students not prepared to take MATH 2413, Calculus I may be required to take MATH 2412, Pre-Calculus.