



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



**AS Degree Requirements**

**McLennan Community College**

MCLENNAN	TAMUCT	Course Name	SCH	MCLENNAN	TAMUCT	Course Name	SCH
EDUC 1300	EDUC 1300	Learning Framework	3	CHEM 2423 <sup>a</sup>	CHEM 2423	Organic Chemistry I	4
BIOL 1406 <sup>a</sup>	CORE 030	Biology for Science Majors I	4	GOVT 2305	CORE 070	Federal Government	3
CHEM 1411 <sup>a</sup>	CORE 090	General Chemistry I	4	HIST 1301	CORE 060	United States History I	3
MATH 2313	CORE 020	Calculus I	3	PHYS 1401 <sup>a</sup>	PHYS 1401	College Physics I	4
ENGL 1301	CORE 010	Composition I	3	CORE 040	CORE 040	Language, Philosophy, & Culture Core Selection	3
BIOL 1407 <sup>a</sup>	CORE 030	Biology for Science Majors II	4	GOVT 2306	CORE 070	Texas Government	3
CHEM 1412 <sup>a</sup>	CORE 090	General Chemistry II	4	CORE 080	CORE 080	Social/Behavioral Science Core Selection	3
Elective	CORE 010	Speech Elective	3	HIST 1302	CORE 060	United States History II	3
CORE 050	CORE 050	Creative Arts Core Selection	3	CHEM 2425 <sup>a</sup>	CHEM 2425	Organic Chemistry II	4
<b>Subtotal</b>							<b>61</b>

**Additional Lower-Level or Upper-Level Degree Requirements**

**McLennan Community College or Texas A&M University – Central Texas**

McLennan Community College	Texas A&M University - Central Texas	Course Name	SCH
BIOL 2421 <sup>1,4</sup>	BIOL 2421	Microbiology for Science Majors	4
Any Level Elective <sup>1,2,3</sup>	Any Level Elective	Any Level Elective	3
<b>Subtotal</b>			<b>7</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>a</sup>	Principles of Genetics	4	BIOL 4471 <sup>a</sup>	Molecular Biology	4
CHEM 4430 <sup>a</sup>	Biochemistry I	4	BIOL 4475 <sup>a</sup>	Proteomics	4
CHEM 3415 <sup>a</sup>	Analytical Chemistry	4	BIOL 4380 <sup>a</sup>	Evolution	3
MATH 3350 <sup>a</sup>	Principles of Bio-Statistics	3	BIOL 4451 <sup>a</sup>	Bioinformatics	4
BIOL 4470 <sup>a</sup>	Cell Biology	4	BIOL 4395 <sup>a</sup>	Biology Capstone	3
CHEM 4415 <sup>a</sup>	Instrumental Analysis	4	Elective - Faculty Approved	Elective - Faculty Approved	4
BIOL 3380 <sup>a</sup>	Research Methods	3	Elective - Faculty Approved	Elective - Faculty Approved	4
<b>Subtotal</b>					<b>52</b>
<b>Total</b>					<b>120</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.

- Not all bachelor's 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.
- Any-level electives may be taken at either Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
- Lower-Level Electives, Any Level Electives, Component Area Options or Degree Requirements (DEG REQ) may consist of the FOS courses: BIOL 1406, BIOL 1407, CHEM 1411, CHEM 1412, CHEM 2423, PHYS 1401 or (the 3-credit hour course plus the 1 credit hour lab).
- Courses must be completed with a "C" or better.