



## Bachelor of Science Biology – Biotechnology Concentration 2022-2023 Transfer Guide

Core Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
CORE 010	CORE 010	Communication Core Selection	3
CORE 010	CORE 010	Communication Core Selection	3
MATH 2313	CORE 020	Calculus I	3
BIOL 1406	CORE 030	Biology for Science Majors I (Lecture + Lab)	4
BIOL 1407	CORE 030	Biology for Science Majors II (Lecture + Lab)	4
CORE 040	CORE 040	Language, Philosophy, and Culture	3
CORE 050	CORE 050	Creative Arts Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 060	CORE 060	American History Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 070	CORE 070	Government/Political Science Core Selection	3
CORE 080	CORE 080	Social and Behavioral Sciences Core Selection	3
CHEM 1412 <sup>5</sup>	CORE 090	General Chemistry II	4
<b>Subtotal</b>			<b>42</b>

Additional Lower-Level Degree Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
Any Level Elective <sup>4</sup>	Any Level Elective	Any Level Elective	6
BIOL 2421 <sup>5</sup>	BIOL 2421	Microbiology for Science Majors	4
CHEM 1411 <sup>5</sup>	CHEM 1411	General Chemistry I (Lecture + Lab)	4
CHEM 2423 <sup>5</sup>	CHEM 2423	Organic Chemistry I (Lecture + Lab)	4
CHEM 2425 <sup>5</sup>	CHEM 2425	Organic Chemistry II (Lecture + Lab)	4
PHYS 1401 <sup>5</sup>	PHYS 1401	College Physics I (Lecture + Lab)	4
<b>Subtotal</b>			<b>26</b>

Upper-Level Degree Requirements Texas A&M University - Central Texas		
Texas A&M University - Central Texas	Course Name	SCH
BIOL 3380 <sup>5</sup>	Research Methods	3
BIOL 3452 <sup>5</sup>	Principles of Genetics	4
BIOL 4380 <sup>5</sup>	Evolution	3
BIOL 4395 <sup>5</sup>	Biology Capstone	3
BIOL 4451 <sup>5</sup>	Bioinformatics	4
BIOL 4470 <sup>5</sup>	Cell Biology	4
BIOL 4471 <sup>5</sup>	Molecular Biology	4
BIOL 4475 <sup>5</sup>	Proteomics	4
CHEM 3415 <sup>5</sup>	Analytical Chemistry	4
CHEM 4415 <sup>5</sup>	Instrumental Analysis	4
CHEM 4430 <sup>5</sup>	Biochemistry I	4
MATH 3350 <sup>5</sup>	Principles of Bio-Statistics	3
Elective – Faculty Approved	Elective – Faculty Approved	4
Elective – Faculty Approved	Elective – Faculty Approved	4
<b>Subtotal</b>		<b>52</b>
<b>Total</b>		<b>120</b>

### Notes/Comments

**This guide is for planning and visualization purposes only. For assistance with pathway planning, students should schedule an appointment with an academic advisor.**

- Texas A&M University - Central Texas is an upper-level university only offering upper-level courses (3000-4000 labeled courses)
- Student will need to complete all lower-level courses at another institution (1000-2000 labeled courses). Refer to the [General Education Core Requirements page](#) for more information on the CORE Requirements coursework.
- Any-level electives may be taken at either at 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.