



**AS – FOS – Biology to
BS – Biology
Biotechnology Concentration
2023-2024 Transfer Pathway**



AS Degree Requirements							
Dallas College							
DC	TAMUCT	Course Name	SCH	DC	TAMUCT	Course Name	SCH
ENGL 1301	CORE 010	Composition I	3	PHYS 1401 ⁴	PHYS 1401	College Physics I	4
BIOL 1406 ⁴	CORE 030	Biology for Science Majors I	4	CHEM 2423 ⁴	CHEM 2423	Organic Chemistry I	4
CHEM 1411 ⁴	CHEM 1411	General Chemistry I	4	GOVT 2305	CORE 070	Federal Government	3
ARTS 1301 DRAM 1310 or MUSI 1306	CORE 050	Art Appreciation Theater Appreciation or Music Appreciation	3	ENGL 2321 ENGL 2331 or ENGL 2326	CORE 040	British Literature World Literature or American Literature	3
ENGL 1302	CORE 010	Composition II	3	CHEM 2425 ⁴	CHEM 2425	Organic Chemistry II	4
HIST 1301	CORE 060	United States History I	3	PHYS 1402	PHYS 1402	College Physics II	4
BIOL 1407 ⁴	CORE 030	Biology for Science Majors II	4	GOVT 2306	CORE 070	Texas Government	3
CHEM 1412 ⁴	CORE 090	General Chemistry II	4	MATH 2413 ⁴	CORE 020	Calculus I	4
HIST 1302 or HIST 2301	CORE 060	United States History II or Texas History	3				
Subtotal							60

Additional Lower-Level or Upper-Level Degree Requirements			
Dallas College or Texas A&M University – Central Texas			
Dallas College	Texas A&M University - Central Texas	Course Name	SCH
CORE 080 ¹	CORE 080	Social and Behavioral Sciences Core	3
BIOL 2421 ^{1,4}	BIOL 2421	Microbiology for Science Majors	4
Any Level Elective ^{1,2,3}	Any Level Elective	Any Level Elective	1
Subtotal			8

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 ⁴	Principles of Genetics	4	BIOL 4471 ⁴	Molecular Biology	4
CHEM 4430 ⁴	Biochemistry I	4	BIOL 4475 ⁴	Proteomic	4
CHEM 3415 ⁴	Analytical Chemistry	4	BIOL 4380 ⁴	Evolution	3
MATH 3350 ⁴	Principles of Bio-Statistics	3	BIOL 4451 ⁴	Bioinformatics	4
BIOL 4470 ⁴	Cell Biology	4	BIOL 4395 ⁴	Biology Capstone	3
CHEM 4415 ⁴	Instrumental Analysis	4	Elective - Faculty Approved	Elective - Faculty Approved	4
BIOL 3380 ⁴	Research Methods	3	Elective - Faculty Approved	Elective - Faculty Approved	4
Subtotal					52
Total					120

Notes/Comments

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at Dallas College.

For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended 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 Dallas College. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
2. Any-level electives may be taken at either at Texas A&M University-Central Texas or at Dallas College. Please consult with an academic advisor prior to selecting any-level electives.
3. 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).
4. Courses must be completed with a "C" or better.