



**AS – Biology to  
BS – Biology – Ecology/Conservation Concentration  
2025-2026 Transfer Pathway**



**Austin Community College (ACC)**

**AS Degree Requirements**

| ACC                    | Course Name                         | SCH | TAMUCT    | ACC                    | Course Name                                       | SCH             | TAMUCT    |
|------------------------|-------------------------------------|-----|-----------|------------------------|---|-----------------|-----------|
| EDUC 1300              | Learning Framework                  | 3   | EDUC 1300 | BIOL 2421 <sup>2</sup> | Microbiology for Science Majors                   | 4               | BIOL 2421 |
| ENGL 1301              | English Composition I               | 3   | CORE 010  | CHEM 1312 <sup>2</sup> | General Chemistry II - Lecture                    | 3               | CORE 090  |
| BIOL 1406 <sup>2</sup> | Cellular and Molecular Biology      | 4   | CORE 030  | CHEM 1112 <sup>2</sup> | General Chemistry II - Lab                        | 1               | CORE 090  |
| MATH 2412              | Precalculus: Functions and Graphs   | 4   | MATH 2412 | PHYS 1401 <sup>2</sup> | General College Physics I                         | 4               | PHYS 1401 |
| ENGL 1302              | English Composition II              | 3   | CORE 010  | GOVT 2306              | Texas State and Local Government                  | 3               | CORE 070  |
| BIOL 1407 <sup>2</sup> | Structure and Function of Organisms | 4   | CORE 030  | HIST 1302              | United States History II                          | 3               | CORE 060  |
| MATH 2413 <sup>2</sup> | Calculus I                          | 4   | CORE 020  | ENGL 2327              | American Literature: Beginnings through Civil War | 3               | CORE 040  |
| CHEM 1311 <sup>2</sup> | General Chemistry I - Lecture       | 3   | CHEM 1311 | CHEM 2323 <sup>2</sup> | Organic Chemistry I - Lecture                     | 3               | CHEM 2323 |
| CHEM 1111 <sup>2</sup> | General Chemistry I - Lab           | 1   | CHEM 1111 | CHEM 2123 <sup>2</sup> | Organic Chemistry I - Lab                         | 1               | CHEM 2123 |
| HIST 1301              | United States History I             | 3   | CORE 060  | CHEM 2325 <sup>2</sup> | Organic Chemistry II - Lecture                    | 3               | CHEM 2325 |
| GOVT 2305              | United States Government            | 3   | CORE 070  | CHEM 2125 <sup>2</sup> | Organic Chemistry II - Lab                        | 1               | CHEM 2125 |
|                        |                                     |     |           |                        |   | <b>Subtotal</b> | <b>64</b> |

**Austin Community College (ACC) or Texas A&M University–Central Texas (TAMUCT)**

**Additional Lower-Level Degree Requirements**

| Austin Community College | Texas A&M University–Central Texas | Course Name                         | SCH             |
|--------------------------|------------------------------------|-------------------------------------|-----------------|
| CORE 050 <sup>1</sup>    | CORE 050                           | Creative Arts Core                  | 3               |
| CORE 080 <sup>1</sup>    | CORE 080                           | Social and Behavioral Sciences Core | 3               |
|                          |                                    |                                     | <b>Subtotal</b> |
|                          |                                    |                                     | <b>6</b>        |

**Texas A&M University–Central Texas (TAMUCT)**

**BS Degree Requirements**

| TAMUCT                 | Course Name                  | SCH | TAMUCT                 | Course Name         | SCH             |            |
|------------------------|------------------------------|-----|------------------------|---------------------|-----------------|------------|
| BIOL 3452 <sup>2</sup> | Principles of Genetics       | 4   | BIOL 4380 <sup>2</sup> | Evolution           | 3               |            |
| BIOL 3401 <sup>2</sup> | Ecology                      | 4   | BIOL 4302 <sup>2</sup> | Restoration Ecology | 3               |            |
| CHEM 4430 <sup>2</sup> | Biochemistry I               | 4   | BIOL 4395 <sup>2</sup> | Biology Capstone    | 3               |            |
| MATH 3350 <sup>2</sup> | Principles of Bio-Statistics | 3   | BIOL 4346 <sup>2</sup> | Animal Behavior     | 3               |            |
| BIOL 4301 <sup>2</sup> | Conservation Biology         | 3   | BIOL 3430 <sup>2</sup> | Botany              | 4               |            |
| BIOL 3440 <sup>2</sup> | Invertebrate Zoology         | 4   | Elective               | Faculty Approved    | 3               |            |
| BIOL 3380 <sup>2</sup> | Research Methods             | 3   | Elective               | Faculty Approved    | 3               |            |
| CHEM 4431 <sup>2</sup> | Biochemistry II              | 4   |                        |                     |                 |            |
|                        |                              |     |                        |                     | <b>Subtotal</b> | <b>51</b>  |
|                        |                              |     |                        |                     | <b>Total</b>    | <b>121</b> |

**Notes/Comments**

TAMUCT offers upper-level courses (those labeled 3XXX-5XXX), while all lower-level courses (those labeled 1XXX-2XXX) should be completed at ACC. A minimum of 120 semester credit hours is required for all baccalaureate degrees. Pathways may exceed 120 semester credit hours, as certain courses required for the associate degree are transferable but not applicable to the baccalaureate degree. For help with pathway planning, please speak with an [academic advisor](#) or [enrollment specialist](#). *This pathway is intended for planning and visualization purposes and is subject to change.*

- The AS does not fulfill all the lower-level courses required for the undergraduate degree. Students will need to complete the remaining lower-level courses at ACC. Please discuss the consortium agreement procedure with a TAMUCT [financial aid advisor](#).
- Courses must be completed with a "C" or better.