



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



AS Degree Requirements

Temple College

| TEMPLE | TAMUCT | Course Name | SCH | TEMPLE | TAMUCT | Course Name | SCH |
|------------------------|-----------|------------------------------------------|-----|---------------------------|---------------------------|------------------------------------------------|-----------|
| CHEM 1411 ² | CHEM 1411 | General Chemistry I | 4 | CHEM 2423 ² | CHEM 2423 | Organic Chemistry I (Lecture + Lab) | 4 |
| MATH 2413 | CORE 020 | Calculus I | 4 | PHYS 1401 ² | PHYS 1401 | College Physics I (Lecture + Lab) | 4 |
| ENGL 1301 | CORE 010 | Composition I | 3 | GOVT 2305 | CORE 070 | Federal Government | 3 |
| ENGL 1302 | CORE 010 | Composition II | 3 | GOVT 2306 | CORE 070 | Texas Government | 3 |
| CHEM 1412 ² | CORE 090 | General Chemistry II | 4 | CHEM 2425 ² | CHEM 2425 | Organic Chemistry II (Lecture + Lab) | 4 |
| MATH 2414 | CORE 090 | Calculus II | 4 | PHYS 1402 or PHYS 2426 | PHYS 1402 or PHYS 2426 | College Physics II or University Physics II | 4 |
| HIST 1301 | CORE 060 | United States History I | 3 | CORE 040 | CORE 040 | Language, Philosophy & Culture Core Selection | 3 |
| HIST 1302 | CORE 060 | United States History II | 3 | CORE 050 | CORE 050 | Creative Arts Core Selection | 3 |
| CORE 080 | CORE 080 | Social/Behavioral Science Core Selection | 3 | Additional SCH | Additional SCH | Additional Semester Credit Hours | 1 |
| Subtotal | | | | | | | 60 |

Additional Lower-Level or Upper-Level Degree Requirements

Temple College or Texas A&M University – Central Texas

| Temple College | Texas A&M University - Central Texas | Course Name | SCH |
|--------------------------|--------------------------------------|-----------------------------------------------|-----------|
| BIOL 1406 ^{1,2} | CORE 030 | Biology for Science Majors I (Lecture + Lab) | 4 |
| BIOL 1407 ^{1,2} | CORE 030 | Biology for Science Majors II (Lecture + Lab) | 4 |
| BIOL 2421 ^{1,2} | BIOL 2421 | Microbiology for Science Majors | 4 |
| Subtotal | | | 12 |

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 ² | Principles of Genetics | 4 | BIOL 4380 ² | Evolution | 3 |
| BIOL 3401 ² | Ecology | 4 | BIOL 3318 ² | Animal Physiology | 3 |
| CHEM 4430 ² | Biochemistry I | 4 | BIOL 3445 ² | Comparative Vertebrate Zoology | 4 |
| MATH 3350 ² | Principles of Bio-Statistics | 3 | BIOL 4346 ² | Animal Behavior | 3 |
| BIOL 3315 ² | Advanced Physiology | 3 | BIOL 4395 ² | Biology Capstone | 3 |
| BIOL 3430 ² | Botany | 4 | Elective – Faculty Approved | Elective – Faculty Approved | 4 |
| BIOL 3380 ² | Research Methods | 3 | Elective – Faculty Approved | Elective – Faculty Approved | 3 |
| BIOL 3420 or BIOL 3440 ² | Entomology or Invertebrate Zoology | 4 | | | |
| Subtotal | | | | | 52 |
| Total | | | | | 124 |

Notes/Comments

Texas A&M-Central Texas is an upper-level institution offering 3xxx-5xxx level courses. All 1xxx-2xxx level courses must be completed at a different institution.

For help with pathway planning, student should speak with an [academic advisor](#). This guide is intended 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.
- Courses must be completed with a "C" or better.