

Bachelor of Science – Biology – Biotechnology Concentration

2026-2027 Transfer Guide

Texas A&M University–Central Texas

The courses outlined in this section provide a year-by-year guide for full-time students, fulfilling the requirements for the **Bachelor of Science in Biology with a Biotechnology Concentration** at Texas A&M University–Central Texas. All guides can be adjusted to accommodate the needs of part-time students. For the official degree requirements, please refer to the Texas A&M University–Central Texas [catalog](#).

BACHELOR OF SCIENCE IN BIOLOGY WITH BIOTECHNOLOGY CONCENTRATION

YEAR 1	TOTAL HOURS:32
CORE 010 ¹ – Communications	3 SCH
BIOL 1406 ⁴ – Biology for Science Majors I (CORE 030)	4 SCH
MATH 2413 ⁴ – Calculus I (CORE 020)	4 SCH
CHEM 1411 ⁴ – General Chemistry I	4 SCH
CORE 040 ¹ – Language, Philosophy, and Culture	3 SCH
BIOL 1407 ⁴ – Biology for Science Majors II (CORE 030)	4 SCH
CORE 080 ¹ – Social and Behavioral Sciences	3 SCH
CORE 050 ¹ – Creative Arts	3 SCH
CHEM 1412 ⁴ – General Chemistry II (CORE 090)	4 SCH
YEAR 2	TOTAL HOURS:34
CORE 010 ¹ – Communications	3 SCH
CORE 060 ¹ – American History	3 SCH
CORE 070 ¹ – Government/Political Science	3 SCH
CHEM 2423 ⁴ – Organic Chemistry I	4 SCH
ELECTIVE ^{2,3} – Any Level Elective	3 SCH
BIOL 2421 ⁴ – Microbiology for Science Majors	4 SCH
CORE 060 ¹ – American History	3 SCH
CORE 070 ¹ – Government/Political Science	3 SCH
PHYS 1401 ⁴ – College Physics I	4 SCH
CHEM 2425 ⁴ – Organic Chemistry II	4 SCH
YEAR 3	TOTAL HOURS:28
BIOL 3452 ⁴ – Principles of Genetics	4 SCH
CHEM 4430 ⁴ – Biochemistry I	4 SCH
CHEM 3415 ⁴ – Analytical Chemistry	4 SCH
MATH 3350 ⁴ – Principles of Bio-Statistics	3 SCH
BIOL 4470 ⁴ – Cell Biology	4 SCH
BIOL 3380 ⁴ – Research Methods	3 SCH
ELECTIVE ^{2,3} – Any Level Elective	3 SCH
ELECTIVE ^{2,3} – Any Level Elective	3 SCH
YEAR 4	TOTAL HOURS:26
BIOL 4471 ⁴ – Molecular Biology	4 SCH
BIOL 4380 ⁴ – Evolution	3 SCH
ELECTIVE – Upper-Level Elective - Faculty Approved	3 SCH
ELECTIVE – Upper-Level Elective - Faculty Approved	3 SCH
BIOL 4451 ⁴ – Bioinformatics	4 SCH
BIOL 4395 ⁴ – Biology Capstone	3 SCH
ELECTIVE – Upper-Level Elective - Faculty Approved	3 SCH
ELECTIVE – Upper-Level Elective - Faculty Approved	3 SCH

TOTAL CREDITS: 120 HOURS

NOTES

Texas A&M–Central Texas only offers upper-level courses (those labeled 3XXX-5XXX), all lower-level courses (those labeled 1XXX-2XXX) should be completed at the transferring institution. A minimum of 120 semester credit hours is required for all baccalaureate degrees. For help with transfer planning, please speak with an [academic advisor](#) or [enrollment specialist](#). ***This transfer guide is intended for planning and visualization purposes and is subject to change.***

1. Refer to the General Education Core Requirements [page](#) for more information on the CORE Requirement coursework.
2. 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.
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.