



SOUTHWEST
TEXAS COLLEGE

ASU Bachelor of Science in Chemistry, Biochemistry Emphasis with AS Transfer from SWTX



SWTX Fall Semester Year 1

Courses		sch
ENGL 1301	Composition I	3
HIST 1301	U. S. History I	3
MATH 2413	Calculus I ¹	4
EDUC 1300	Learning Framework ²	3
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I Lab	1
		17

SWTX Fall Semester Year 2

Courses		sch
CHEM 2423	Organic Chemistry I and Lab ⁴	4
GOVT 2305	Federal Government	3
SPCH 1315	Public Speaking	3
Core Course	Creative Arts Core	3
		13

SWTX Spring Semester Year 1

Courses		sch
ENGL 1302	Composition II	3
HIST 1302	U.S. History II	3
MATH 2414	Calculus II	4
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II lab	1
		14

SWTX Spring Semester Year 2

Courses		sch
CHEM 2425	Organic Chemistry II and Lab ³	4
GOVT 2306	Texas Government	3
Core Course	Social & Behavioral Sciences Core	3
Core Course	Language, Philosophy & Culture Core ⁴	3
PHYS 2325	University Physics I ⁵	3
		16

Core Total SWTX 43

ASSOCIATES OF SCIENCE (AS) SWTX Total 60 sch

¹ Students may be required to take Mathematics 2312 before enrollment in Mathematics 2413.

² EDUC 1300 is required of all first time in college students. EDUC 1300 will transfer as ASU's USTD NENA and is approved to substitute ASU's GS 1181 (Freshman Seminar- ASU course requirement) for the purpose of this agreement with the Department of Chemistry and Biochemistry.

³ CHEM 2423 and CHEM 2425 will transfer as ASU's CHEM NENA. CHEM 2423 and CHEM 2425 are approved to substitute ASU's CHEM 3451 and CHEM 3452 for the purpose of this agreement with the Department of Chemistry and Biochemistry. By making this substitution, students will need to take 8 hours of upper-level courses to complete the advanced hour requirement.

⁴ ASU's B.S. in Chemistry has a Sophomore Literature requirement. To meet this requirement, it is encouraged for students to select from the following courses: ENGL 2322, 2323, 2327, 2328, 2332, 2333.

⁵ Upon transfer to ASU, students will need to complete the lab component (PHYS 2125) per requirements for the BS in Chemistry - Biochemistry degree at Angelo State University.

ASU Fall Semester Year 1

Courses		sch
BIOL 1306/1106	Principles of Biology I	4
BIOL 3403	Cell Biology	4
PHYS 2326/2126	Fundamentals of Physics II	4
CHEM 3421	Inorganic Quantitative Analysis	4
		16

ASU Spring Semester Year 1

Courses		sch
Elective (advanced)		4
BIOL 1307/1107	Principles of Biology II	4
CHEM 3462	Physical Chemistry- Thermodynamics and Kinetics	4
BIOL 3301	Genetics	3
PHYS 2125	Fundamentals of Physics I Laboratory	1
		16

ASU Fall Semester Year 2

Courses		sch
CHEM 3461	Physical Chemistry- Quantum Chemistry and Spectroscopy	4
CHEM 4191	Research	1
CHEM 4331	Biochemistry	3
CHEM 3301	Descriptive Inorganic Chemistry	3
CHEM 4233	Biochemistry Laboratory	2
		13

ASU Spring Semester Year 2

Courses		sch
BIOL (advanced)		3
CHEM 4301	Chemistry Capstone	3
CHEM 4421	Instrumental Analysis	4
CHEM 4332	Intermediary Metabolism	3
Elective (advanced)		4
		17

B.S. Chemistry Total Degree Hours 122

Additional Notes

Please Note: This guide is for students to utilize as a reference of what courses they can take at each institution. It's possible for students to take these courses in a different sequence if they are coming in with prior credit or if there are changes to course offerings and degree plans. Therefore, it is encouraged for students to reach out to their academic advisor at each institution to discuss current course options and sequences.

This transfer guide is active under the 2024-2025 and 2025-2026 Catalogs at ASU, students utilizing this transfer guide shall have full acceptance of academic credits earned at SWTX.

For information regarding the Major Field Test (MFT) graduation requirement, Pre-Medical and Pre-Dental students and Pre-Pharmacy students, please refer to the ASU course catalog Chemistry degree plans:

<https://www.angelo.edu/academics/catalog/>