



ASU Bachelor of Science in Mathematics, Secondary Teacher Certification with AS Transfer from SWTX



SWTX Fall Semester Year 1

Courses		sch
EDUC 1300	Learning Framework ¹	3
ENGL 1301	Composition I	3
BIOL 1308	Biology for Non-Science Majors I	3
Math 2312	Pre-Calculus Mathematics	3
Core Course	Creative Arts	3
		15

SWTX Spring Semester Year 1

Courses		sch
ENGL 1302	Composition II	3
Core Course	Language, Philosophy, Culture Core	3
SPCH 1315	Public Speaking	3
GOVT 2305	Federal Government	3
Math 1316	Plane Trigonometry	3
		15

SWTX Fall Semester Year 2

Courses		sch
MATH 2413	Calculus I	4
GOVT 2306	Texas Government	3
COSC 1336	Programming Fundamentals I	3
HIST 1301	U. S. History I	3
BIOL 1309	Biology for Non-Science Majors II	3
		16

SWTX Spring Semester Year 2

Courses		sch
MATH 2414	Calculus II	4
PHYS 2325	University Physics I	3
PHYS 2125	University Physics I Lab	1
HIST 1302	U. S. History II	3
Core Course	Social & Behavioral Sciences Core	3
		14

Core Courses SWTX 43 sch

AS SWTX Total 60 sch

¹ EDUC 1300 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 Mathematics.

ASU Summer I Semester Year 1*

Courses		sch
MATH 3415	Calculus III	4
		4

ASU Summer II Semester Year 1*

Courses		sch
MATH 2305	Discrete Mathematics	3
		3

ASU Fall Semester Year 1

Courses		sch
MATH 4321	College Geometry	3
EPSY 3303	Child and Adolescent Development	3
MATH 4171	Internship	1
MATH 3307	Probability and Statistics	3
MATH 3301	Linear Algebra	3
Science Course + Lab ²	Science Course + Lab	4
		17

ASU Spring Semester Year 1

Courses		sch
MATH 3300	Introduction to Abstract Mathematics	3
ED 4321	Secondary Learning Theories and Curriculum	3
MATH 3310	Introduction to Problem Solving	3
RDG 4320	Reading in the Secondary School Content Areas	3
MATH 4181	Seminar in Mathematics	1
		13

ASU Fall Semester Year 2

Courses		sch
MATH 4301, 4331, 4351	Abstract Algebra, Analysis, Topology	3
ED 4322*	Teaching Techniques in the Secondary School	3
MATH 4322	A Survey of Mathematics with Applications	3
EPSY 3314	Culturally Diverse Learners	3
		12

ASU Spring Semester Year 2

Courses		sch
ED 4973	Supervised Teaching in the High School	9
ED 4323	Teaching in the Secondary School	3
		12

BS Total SWTX 60 + 61 ASU

BS Complete Total 121 sch

² Select a course you have not completed yet, science courses must include at least two disciplines: Biology 1306/1106, 1307/1107, 1308/1108, 1309/1109, Geology 1301/1101, 1303/1103, 1304/1104, Health Science Professions 2301/2101, 2302/2102, Physics 2325/2125, 2326/2126, Chemistry 1311/1111, 1312/1112.

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.

*MATH 4322: Due to the semester of student teaching, it is difficult to complete the required Mathematics courses in three semesters due to prerequisite courses that need to be completed before certain courses such as MATH 4322. Therefore, a summer term was added as the first semester that a student would transfer to ASU to accommodate the prerequisites for MATH 4322. If a student is not able to start at ASU during the summer terms, then it is encouraged for students to be in touch with their advisor at each institution to determine the best sequence of courses to take.

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.