



A.A. in Biology

to

B.S. in Biology (Teacher Certification)

This four-year plan provides a model for on-time completion of the B.S. in Biology (Teacher Certification) at UTRGV by starting at South Texas College.

Year	First Semester		Second Semester	
	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent
FRESHMAN	ENGL 1301 (Communication Core)	ENGL 1301 (Communication Core)	ENGL 1302 (Communication Core)	ENGL 1302 (Communication Core)
	Creative Arts (Core)	Creative Arts (Core)	CHEM 1411 (Life & Physical Science Core)	CHEM 1311 & CHEM 1111 (Life & Physical Science Core, Required at UTRGV)
	Mathematics Core: MATH 2412	MATH 2412 (Mathematics Core, Required at UTRGV)	BIOL 1407 (Major)	BIOL 1407 (Major)
	BIOL 1406 (Major)	BIOL 1406 (Major)	HIST 1301 or HIST 2327 (American History Core)	HIST 1301 or HIST 2327 (American History Core)
	Third Semester			
	STC Requirement		UTRGV Equivalent	
	HIST 1302 or HIST 2328 (American History Core)		HIST 1302 or HIST 2328 (American History Core)	
Year	Fourth Semester		Fifth Semester	
	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent
SOPHOMORE	GOVT 2305 (Political Science Core)	POLS 2305 (Political Science Core)	GOVT 2306 (Political Science Core)	POLS 2306 (Political Science Core)
	CHEM 1412 (Life & Physical Science Core)	CHEM 1312 & CHEM 1112 (Life & Physical Science Core, Required at UTRGV)	CHEM 2423 (Major)	CHEM 2323 & CHEM 2123 (Major)
	BIOL 2401 (Major)	BIOL 2401 (free elective, not required at UTRGV)	BIOL 2421 (Major)	BIOL 2000 (fulfills Microbiology requirement but not institutional advanced hours minimum)
	PSYC 2301 (Social & Behavioral Science Core)	PSYC 2301 (Social & Behavioral Science Core, Required at UTRGV)	Component Area Option (Core)	Integrative and Experiential Learning (Core)
	Sixth Semester			
	STC Requirement		UTRGV Equivalent	
	Language, Philosophy & Culture (Core) Recommended: PHIL 1301		Language, Philosophy & Culture (Core)	

Four-year plan aligns with the 2022-2023 programs of study.

Year	Fall Semester	Spring Semester
J U N I O R	UTCH 1101 Inquiry Approaches to Teaching	UTCH 1102 Inquiry-Based Lesson Design
	MATH 2413 Calculus I	PHYS 1402 General Physics II
	BIOL 3301 Biological Evolution	BIOL 3409 or BIOL 3420 Ecology or Environmental Biology
	PHYS 1401 General Physics I	BIOL 3412 Cell Biology
	BIOL 3413 Genetics	UTCH 3301 Knowing and Learning in Mathematics and Science
Year	Fall Semester	Spring Semester
S E N I O R	BIOL/PHYS 3330 or MATE 3321 Functions and Modeling	BIOL 34XX-44XX Prescribed Advanced Electives
	BIOL 34XX-44XX Prescribed Advanced Electives	READ 4305 Disciplinary Literacy in Content Area Classrooms
	UTCH 3302 Classroom Interactions	BIOL 34XX-44XX Prescribed Advanced Electives
	BIOL/PHYS/MATE 4392 Research Methods in the Science and Mathematics Classroom (UTeach)	PHIL/MATE 3317 Perspectives on Science and Mathematics
		UTCH 3303 Project-Based Instruction
	Fall Semester	Spring Semester
	UTCH 4101 Apprentice Teaching Seminar	
UTCH 4601 Apprentice Teaching		

This degree requires 120 hours and a minimum of 42 advanced (3000 and 4000) credit hours.

*Free electives hours will vary to achieve the institutional minimum of 120 hours for a degree.