

Biology Degree - JacksTeach

Bachelor of Science Degree
Stephen F. Austin State University



Freshman Year

Fall Semester				Spring Semester			
Course Number (Beginning Fall 2020)	Course Number (Prior to Fall 2020)	Description	Credit	Course Number (Beginning Fall 2020)	Course Number (Prior to Fall 2020)	Description	Credit
BIOL 1306/1106	BIO 130	Biology for Science Majors I	4	BIOL 1307/1107	BIO 125	Biology for Science Majors II	4
CHEM 1311/1111	CHE 133	General Chemistry I (w/ lab)	4	CHEM 1312/1112	CHE 134	General Chemistry II (w/ lab)	4
JTCH 1101		Step 1: Inquiry Approaches to Teaching	1	JTCH 1102		Step 2: Inquiry-Based Lesson Design	1
ENGL 1301	ENG 131	English (Rhetoric & Comp.)	3	ENGL 1302	ENG 132	English (Res. & Argument)	3
Core Option ¹	Core Option ¹	SPCH	3	Add. Math ⁴	Add. Math ⁴	Additional Math	3
			Hours				Hours
			15				15

Sophomore Year

Fall Semester				Spring Semester			
BIOL 2361/2061	BIO 131	Plant Form/Function (w/ lab)	3	BIOL 2371/2071	BIO 133	Animal Form/Function (w/ lab)	3
MATH 2211/2011	MTH 141	Pre-calculus A (w/ lab)	2	MATH 2212/2012	MTH 142	Pre-calculus B (w/ lab)	2
JTCH 3301		Knowing & Learning in STEM	3	JTCH 3311		Classroom Interactions	3
Add. Sci. ⁶	Add. Sci. ⁶	Additional Sciences	3or4	Add. Sci. ⁶	Add. Sci. ⁶	Additional Sciences	3or4
COSC 1301	CSC 101	Introduction to Computing	3	ENGL 2311	ENG 273	Technical Writing	3
			Hours				Hours
			14-15				14-15

Junior Year

Fall Semester				Spring Semester			
COSC 1301	CSC 101	Introduction to Computing	4	BIOL 3381/3081	BIO 313	General Ecology (w/ lab)	3
BIOL 3421/3021	BIO 309	Microbiology for Sci. Majors (w/ lab)	4	BIOL 3440/3040	BIO 327	Animal Physiology (w/ lab)	4
MATH 2313/2113	MTH 233	Calculus I (w/ lab)	4	Core Option ⁵	Core Option ⁵	ANTH/ECON/GEOG/PSYC/SOCI	3
JTCH 3361		Perspectives on Science and Mathematics	3	JTCH 4351		Research Methods	3
			Hours	HIST 1301	HIS 133	U.S. History I	3
			15				Hours
							16

Senior Year

Fall Semester				Spring Semester			
BIOL 4389	BIO 370	Evolution	3	Core Option ²	Core Option ²	ENGL/HIST/PHIL	3
BIOL 3443/3043	BIO 342	Comparative Vertebrate Anatomy	4	Core Option ³	Core Option ³	ARTS/DANC/MUMH/MUSI/DRAM	3
BIOL 4199	BIO 470	Senior Seminar	1	GOVT 2306	PSC 142	Government (Structure & Func.)	3
HIST 1302	HIS 134	U.S. History II	3	JTCH 4701		Apprentice Teaching	7
GOVT 2305	PSC 141	Government (Theory & Politics)	3				Hours
JTCH 4301		Project-based Instruction	3				16
			Hours				
			17				

Note: Students in Botany track must complete Terrestrial Plant Ecology (4367/4067). Students in other tracks may choose between either ecology course (either 3381/3081 or 4367/4067).

- Core options include SPCH 1315, 1318, 2333 (COM 111, 170, 215)
- Core options include ENGL 2322-2335; HIST 2311-2322; PHIL 1301, 2306 (ENG 200-233H; HIS 151,152; PHI 153, 223)
- Core options include ARTS 1301, 1303, 1304; DANC 2303; MUMH 1307; MUSI 1306; DRAM 1310, 2366 (ART 280; DAN 140; MHL 245; MUS 140; THR 161, 223)
- Additional Math options: MATH 1342, 2314/2114 (MTH 220, 234)
- Core options include ANTH 2351; ECON 2301,2302; GEOG 1303; PSYC 2301; SOCI 1301 (ANT 231; ECO 231,232; GEO 131; PSY 133; SOC 137)
- Additional Science options: ASTR 1303/1103; CHEM 3331/3131, 3332/3132; GEOL 1303/1103, 1304/1104; PHYS 1301/1101, 1302/1102 (AST 105; CHE 331/331L, 332/332L; GOL 131/132; PHY 131, 132)

Note: Students will be required to repeat pre-requisite courses when the grade is below a C. A minimum of 42 semester hours of work must be completed at SFA, of which at least 36 hours must be advanced. A maximum of 66 academic hours plus 4 hours of kinesiology activity from junior/community colleges may apply towards a bachelor's degree. Contact your SFA advisor for alternative courses to the core courses listed.