BIOLOGY – Aquatic (Freshwater and Marine)

STEPHEN F. AUSTIN STATE UNIVERSITY
COLLEGE OF SCIENCES AND MATHEMATICS Name:_____

Date: _____ Catalog: 2023-2024 Void Date: Aug. 31, 2029 ID#_____

Requirements for the BACHELOR OF SCIENCE DEGREE	
HOURS ON TRANSCRIPT	HOURS TO BE TAKEN
CORE CURRICULUM (42 hours)	CORE CURRICULUM (42 hours)
COMMUNICATION: 1. 3 hours from: ENGL 1301, or 1303H (C or better is required)	COMMUNICATION: 1
2. 3 hours from SPCH 1315, 1318, 2333	2
MATHEMATICS: 1. 3 hours from: MATH 2313	MATHEMATICS: 1
LIFE AND PHYSICAL SCIENCES: 1. 6 hours from: CHEM 1311,1312	1
LANGUAGE, PHILOSOPHY, AND CULTURE: 1. 3 hours from ENGL 2309, 2322, 2323, 2327, 2328, 2332, 2333, 2341; HIST 2311, 2312, 2321, 2322; PHIL 1301, 2306	LANGUAGE, PHILOSOPHY, AND CULTURE: 1
CREATIVE ARTS: 1. 3 hours from: ARTS 1301, 1303, 1304; DANC 2303; DRAM 1310, 2366; MUMH 1307; MUSI 1306;	CREATIVE ARTS: 1
AMERICAN HISTORY: 1. 6 hours from: HIST 1301,1302	AMERICAN HISTORY: 1
GOVERNMENT/POLITICAL SCIENCE: 1. 6 hours from: GOVT 2305, 2306	GOVERNMENT/POLITICAL SCIENCE: 1
SOCIAL AND BEHAVIORAL SCIENCES: 1. 3 hours from: ANTH 2351; ECON 2301, 2302; GEOG 1303; SOCI 1301; PSYC 2301.	SOCIAL AND BEHAVIORAL SCIENCE: 1
COMPONENT AREA OPTION (6HRS) 1. 3 hours from: ENGL 1302 (C or better is required) 2. 3 hours from: ENGL 2311	COMPONENT AREA OPTION: 1 2
	42 hours
FOUNDATION OF KNOWLEDGE (17-19 hours)	FOUNDATION OF KNOWLEDGE:
MATH: 3-4 hrs. from 1342 or 2314/2114	MATH:
SCIENCE: Complete 8 hrs.: PHYS 1301/1101; CHEM 3331/3131	SCIENCE: 1 2
Complete additional 3-4 hrs. from: CHEM 3332/3132, 4352/4152, 3421/3021; GEOL 1303/1103,1304/1104, 3361/3061; PHYS 1302/1102L, 1318/1018; STAT 3342	ADD: 1
CSCI: 3 hours: COSC 1301, CSCI 1302, CSIT 2301 or BCIS 1305	CSCI: 17-19 hours

BIOLOGY MAJOR: <u>AQUATIC</u> (Freshwater and Marine)	BIOLOGY MAJOR: AQUATICS (Freshwater and Marine)
FOUNDATION (16 hrs.): 1306/1106(4) 1307/1107(4) 3453/3053(4) 4389(3) 4199(1)	FOUNDATION (16 hrs.): 1306/1106(4) 1307/1107(4) 3453/3053(4) 4389(3) 4199(1)
AQUATICS REQUIREMENTS (30-34 hours): 6 hrs. from form/function: 2361/2061 and 2371/2071L 4 hrs. from ecology: 3481/3081L 3 hrs. from BIOL 3461/3061 4 hrs. from physiology: 3440/3040 or 4465/4065 10-12 hrs. from ADV aquatic: 3317; 4434/4034, 4442/4042; 4484/4084; 4612; 4682; GEOL 3303 6-8 hrs. from ADV survey biology: 3360/3060; 3421/3021; 4386; 4444/4044; 4446/4046; 4448/4048	AQUATICS REQUIREMENTS (30-34 hours): 6 hrs. from form/function: 2361/2061 and 2371/2071L 4 hrs. from ecology: 3481/3081L 3 hrs. from BIOL 3461/3061 4 hrs. from physiology: 3440/3040 or 4465/4065 10-12 hrs. from ADV aquatic: 3317; 4434/4034, 4442/4042; 4484/4084; 4612; 4682; GEOL 3303 6-8 hrs. from ADV survey biology: 3360/3060; 3421/3021; 4386; 4444/4044; 4446/4046; 4448/4048
OTHER REQUIRED COURSES (3 hours)	OTHER REQUIRED COURSES (3 hours)
CHEM 1111(1) CHEM 1112(1) MATH 2113(1)	CHEM 1111(1) CHEM 1112(1) MATH 2113(1)
ADVANCED BIOLOGY ELECTIVES: 5-10 hours of upper-level bio electives; up to two upper-level courses outside the major may be selected. This section is not required if student chooses to declare a minor.	ADVANCED BIOLOGY ELECTIVES: 5-10 hours of upper-level bio electives; up to two upper-level courses outside the major may be selected. This section is not required if student chooses to declare a minor.
(excludes: BIOL 3417/3017L; 3420/3020L)	(excludes: BIOL 3417/3017L; 3420/3020L)
OPTIONAL MINOR: (18-24 hours)	OPTIONAL MINOR: (18-24 hours)
ELECTIVES:	ELECTIVES:
	hours of electives of which hours are are advanced (3000-4000) to meet residence requirements

Must have 42 hours in residence at SFA. Must have 36 advanced hours (3000-4000 level) in residence at SFA. A maximum of 66 academic hours plus 4 hours of kinesiology activity from junior or community colleges may apply toward a bachelor's degree.