

Bachelor of Science - Concentration in Zoology

Note: All BIOL & PHYS prerequisites must be passed with a **C- or better**, unless stated otherwise. All CHEM & MATH prerequisites must be passed with a **C or better**, unless stated otherwise.

Requirement	if taken	Course		Units	Prerequisites by ID	Availability		
		ID	Title			SP20	SU20	FA20
Lower Division Courses								
<i>Courses may be transferable from community college; check ASSIST.org for more information</i>								
All Required		BIOL 230	Introductory Biology 1	5	None	Yes	No	Yes
		BIOL 240	Introductory Biology 2	5	BIOL 230	Yes	No	Yes
		CHEM 115	General Chemistry 1 + Lab	5	see bulletin: http://bulletin.sfsu.edu/courses/chem/	Yes	No	Yes
		CHEM 130	General Organic Chemistry	3	CHEM 115	Yes	Yes	Yes
CHOOSE 16-17 UNITS		CHEM 215/216	General Chemistry 2 + Lab	3/2	CHEM 115, CHEM 215 (concurrent OK for lab)	Yes	Yes; No	Yes
		PHYS 111/112	General Physics 1 + Lab	3/1	MATH 198 or MATH 199	Yes	Yes	Yes
		PHYS 121/122	General Physics 2 + Lab	3/1	PHYS 111, PHYS 112	Yes	Yes	Yes
		MATH 226	Calculus 1	4	see bulletin: http://bulletin.sfsu.edu/courses/math/	Yes	Yes	Yes
		MATH 227	Calculus 2	4	MATH 226	Yes	Yes	Yes
Total Units for Lower Division								/ 34-35
Upper Division Courses								
<i>Courses do not need to be taken in order, only requirement is taking the prerequisites</i>								
All Required		BIOL 337	Evolution	3	BIOL 230, BIOL 240, BIOL 355	Yes	No	Yes
		BIOL 355	Genetics	3	BIOL 230, BIOL 240, CHEM 115 (C- or better)	Yes	Yes	Yes
		BIOL 458	Biometry	4	One college-level Biology course	Yes	No	Yes
CHOOSE 1 ONLY		BIOL 350	Cell Biology	3	BIOL 230, BIOL 240, CHEM 115	Yes	Yes	Yes
		BIOL 357	Molecular Genetics	3	BIOL 355	Yes	No	Yes
		BIOL 380	Evolutionary Developmental Biology	3	BIOL 355	No	No	No
		BIOL 382	Developmental Biology	3	BIOL 350, BIOL 355	No	No	No
		BIOL 453	General Parasitology	3	BIOL 230, BIOL 240, BIOL 355	No	No	No
		BIOL 600	Animal Behavior	3	BIOL 230, BIOL 240	Yes	No	No
		BIOL 612	Human Physiology	3	BIOL 230, BIOL 240, CHEM 130, PHYS 121	Yes	Yes	Yes
		BIOL 620	Endocrinology	3	BIOL 230, BIOL 240	Yes	No	Yes
		BIOL 621	Reproductive Physiology	3	BIOL 230, BIOL 240, BIOL 330, CHEM 130	No	Yes	Yes
		BIOL 630	Animal Physiology	3	BIOL 230, BIOL 240, (CHEM 130 - OR- CHEM 233)	No	No	Yes
CHOOSE 3-4 UNITS		BIOL 482	Ecology	4	BIOL 230, BIOL 240	Yes	No	Yes
		BIOL 529GW	Plant Ecology	4	GE A2, BIOL 230, BIOL 240	No	No	Yes
		BIOL 530	Conservation Biology	3	BIOL 230, BIOL 240	No	No	Yes
		BIOL 532	Restoration Biology	3	BIOL 230, BIOL 240	No	No	Yes
		BIOL 534	Wetland Ecology	4	BIOL 230, BIOL 240	Yes	No	No
		BIOL 577	Ecological and Environmental Modeling	4	BIOL 230, BIOL 240	No	No	No
		BIOL 580	Limnology	3	BIOL 230, BIOL 240, CHEM 215, CHEM 216	No	No	No
		BIOL 582	Biological Oceanography	4	BIOL 230, BIOL 240	No	No	Yes
		BIOL 585	Marine Ecology	3	BIOL 230, BIOL 240	No	No	No
		BIOL 586	Marine Ecology Lab	2	BIOL 230, BIOL 240	No	No	Yes
CHOOSE 1 ONLY		BIOL 460	General Entomology	4	BIOL 230, BIOL 240	No	No	No
		BIOL 461	Insect Taxonomy	4	BIOL 230, BIOL 240	No	No	No
		BIOL 464	Medical Entomology	3	BIOL 230, BIOL 240	No	No	No
		BIOL 475GW	Herpetology	3	GE A2, BIOL 230, BIOL 240	Yes	No	No
		BIOL 478GW	Ornithology	3	GE A2, BIOL 230, BIOL 240	Yes	No	No
		BIOL 555	Marine Invertebrate Zoology	4	BIOL 230, BIOL 240	Yes	No	No
		BIOL 570GW	Biology of Fishes	4	GE A2, BIOL 230, BIOL 240	No	No	Yes
Electives:								
11-14 Additional Units								

Substitutions, if any							

Total Units for Upper Division / 32-33
Total Units Needed for Degree / 67

Notes:

At times, CHEM 130 can be substituted with the CHEM 233/335 series. Ask your advisor for more information.

Last Edited: July 2020