

Proposed Four-Year Plan BS, Biological Sciences, Ecology and Evolution

Below is a sample program for an entering freshman who wishes to complete a BIOL degree in 4 years. Keep in mind that most majors extend their stay at San Jose State University to more than 4 years because they work or have other obligations that necessitate that they proceed more slowly through their coursework. This program presumes that the student has passed the English Placement Test and Entry Level Math Test, and has gotten a C or better in high school CHEM, and has placed in MATH 30 via the Calculus Placement Test. The program is for the Bachelor of Science in , Concentration in Marine Biology. Students should consult a Biology advisor as soon as possible and, at a minimum, each year thereafter. *Note that BS Biological Sciences majors with a concentration in Ecology and Evolution fulfill the General Education requirements for Areas A3, B1, B2, B3, and B4 along with the SJSU Studies requirements in Areas R and Z through courses in the major*

Fall 1		Spring 1	
Course	Units	Course	Units
CHEM 1A	5	CHEM 1B	5
PHYS 2A	4	PHYS 2B	4
GE Area A2 (English 1A)	3	GE Area C3 (English 1B)	3
GE Area C1	3	GE Area A3 (Critical Thinking)	3
Take the Calculus Placement Exam		PE	1
TOTAL		TOTAL	
15		16	

Fall 2		Spring 2	
Course	Units	Course	Units
CHEM 8	3	CHEM 9	1
BIOL 1A	5	BIOL 1B	5
Amer Inst +GE Area D2,D3,F1, F2 and F3 (HIST 15A, AAS 33A, MAS 10A)*	3	Amer Inst + GE Area D2,D3,F1, F2 and F3 (HIST 15B, AAS 33B, MAS 10B)*	3
GE Area E (BIOL 54)	3	GE Area B4 (MATH 30)**	3
BIOL 6	1	GE Area A1	3
PE	1		
Take the Writing Skills Test			
TOTAL		TOTAL	
16		15	

Fall 3		Spring 3	
Course	Units	Course	Units
BIOL 114	3	BIOL 113	3
BIOL 156	3	BIOL 106	3
SJSU Studies Area R (BIOL 160 or BOT 160)	4	BIOL 106L	1
SJSU Studies Area Z (BIOL 100W)	3	BIOL 115	4
GE Area C2	3	SJSU Studies Area V (POL 170V)****	3
TOTAL		TOTAL	
16		14	

Fall 4		Spring 4	
Course	Units	Course	Units
BIOL 118	3	ZOOL 115 or Elective	4
BOT 165	4	BIOL 163	3
ZOOL 116 or Elective	4	ENT 101	4
GE Area D1	3	SJSU Studies Area S (HIST 170S) ****	3
TOTAL		TOTAL	
14		14	

* In order to satisfy both requirements, it is necessary to take the complete series (e.g. HIST 15A and HIST 15B)

** Check with your advisor. Math 60 (Calculus for Biological Sciences) or Math 30P (Calculus I with Pre-calculus) can be substituted for Math 30 (Calculus I) **Students must take the Calculus Placement Exam in the Fall prior to enrolling in calculus in the Spring.**

*** You must get approval from your advisor on appropriate electives

**** If you are a transfer student and have fulfilled all GE, you will need to take these courses to fulfill the American Institutions requirement.