

Proposed Four-Year Plan BS, Biological Sciences, Marine Biology

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 Biological Sciences, 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 Marine Biology 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
BIOL 1A	5	BIOL 1B	5
GE Area A2 (English 1A)	3	GE Area C3 (English 1B)	3
GE Area C1	3	BIOL 6	1
Take the Calculus Placement Exam		PE	1
TOTAL		TOTAL	
16		15	

Fall 2		Spring 2	
Course	Units	Course	Units
CHEM 8	3	BIOL 106	3
Physics 2A	4	BIOL 106L	1
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
PE	1	CHEM 9	1
Take the Writing Skills Test		BIOL 115	4
TOTAL		TOTAL	
14		15	

Fall 3		Spring 3	
Course	Units	Course	Units
BIOL 113	3	GE Area A1	3
BIOL 118	3	BIOL 155	3
SJSU Studies Area R (BIOL 160)	4	CHEM 132	4
SJSU Studies Area Z (BIOL 100W)	3	GE Area C2	3
BIOL 156	3	BIOL 114	3
TOTAL		TOTAL	
16		16	

Fall 4		Spring 4	
Course	Units	Course	Units
MS 103	4	MS 144	4
MS Elective***	4	MS Elective***	4
MS 105	3	SJSU Studies Area V (POLS 170V)****	3
GE Area D1	3	SJSU Studies Area S (HIST 170S) ****	3
TOTAL		TOTAL	
14		15	

* 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.