

### SJSU BIOENGINEERING 4-YEAR STUDY PLAN

(NOTE: An inactive Course Number hyperlink means the course description  
Is not yet available on-line)

Fall			Spring		
Course Number	Course Title	Units	Course Number	Course Title	Units
<b>Year I</b>	<a href="#">Math 30</a> Calculus I	3	<a href="#">Math 31</a> Calculus II		4
	<a href="#">Chem 1A</a> General Chemistry	5	<a href="#">Chem 1B</a> General Chemistry		5
	<a href="#">Engl 1A</a> Composition I	3	<a href="#">Phys 70</a> Mechanics		4
	GE Oral Communications	3	<a href="#">Engl 1B</a> Composition II		3
	<a href="#">Engr 10</a> Introduction to Engineering	3	<a href="#">ME 19</a> Graphics for Engineers		1
			<a href="#">Biol 6</a> Biological Safety		1
	Total	17	Total		18
<b>Year II</b>	<a href="#">Math 32</a> Calculus III	3	<a href="#">Math 133A</a> Ordinary Differential Equations		3
	<a href="#">MatE 25</a> Introduction to Materials Engineering	3	<a href="#">CE 99</a> Statics		2
	<a href="#">Phys 71</a> Electricity and Magnetism	4	CompE 121 Engineering Informatics		4
	<a href="#">AMS 1A</a> American Civilization	6	<a href="#">AMS 1B</a> American Civilization		6
	Human Performance	1	<a href="#">EE 98</a> Introduction to Circuit Analysis		3
	Total	17	Total		18
Fall			Spring		
<b>Year III</b>	<a href="#">Chem 8</a> Organic Chemistry	3	<a href="#">Chem 9</a> Organic Chemistry Laboratory		1
	<a href="#">Biol 54</a> Human Understanding	3	Upper Division GE		3
	Biol 23 Molecular Biology for Computer Scientists	3	Engr 177 Physiology for Engineers		3
	Engr 115 Introduction to Bioengineering - I	4	<a href="#">Engr 100W</a> Engineering Reports		3
	<a href="#">ISE/ChE 162</a> Engineering Statistics and Analysis	3	Engr 192 Junior Seminar		1
			Engr 274 Bioregulations and Good Manufacturing Practices		3
			Human Performance		1
	Total	16	Total		15
<b>Year IV</b>	<a href="#">Chem 130A</a> Biochemistry	3	<a href="#">Chem 131A</a> Biochemistry Laboratory		1
	Engr 116 Introduction to Bioengineering - II	3	Bioengineering Elective		3
	<a href="#">Biol 193</a> Microbiological Techniques	1	Upper Division GE		3
	Engr 198A Senior Project I	2	Bioengineering Elective		3
	Bioengineering Elective	3	Engr 198 Senior Project II		2

Bioengineering Elective	3	Engr 173 Clinical Trials	3
Total	15	Total	15

**TOTAL NUMBER OF UNITS 131**