## Proposed Four-Year Plan BA, Biological Sciences, Pre-Optometry Track

Below is a sample program for an entering freshman who wishes to complete a biology degree in 4 years and who want to go to Optometry School. 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 chemistry. Note that Biology Majors fulfill the General Education Requirements for Areas B1, B2, B3, and B4 by courses in the major. Biology majors should not take GF courses in Area B.

Biology majors should <u>not</u> take GE courses	s in Area B.	T	
Fall 2014		Spring 2015	
Course	<u>Units</u>	Course	<u>Units</u>
Chemistry 1A*	5	Chemistry 1B*	5
Biology 1A*	5	Biol 30/1B*	5
English 1A (GE Area A2)	3	English 1B (GE Area C3)	3
PE	1	PE	<u>1</u>
BIOL6	<u> </u>	Total Units	14
Total Units	15		
Fall 2015		Spring 2016	
Course	<u>Units</u>	Course	<u>Units</u>
Chemistry 112A*	3	GE Area A1 (Oral Communication)	3
GE Area A3 (Critical Thinking)	3	Psyc001 (GE Area D1)*	3
GE Area E	3	Chem 112B*	3
GE Area C2 (Letters)	3	Chem 113A*	2
Physics 2A*	4	Physics 2B*	4
Total Units	16	Total Units	15
Fall 2016		Spring 2017	
Course	<u>Units</u>	Course	Units
History 15A (GE Area D2-D3. F1-3)	<i>3</i>	History 15B (GE Area D3-D3. F1-3)	3
BIOL115 (Area R)	4	GE Area C1 (Arts)	3
Microbiology 101**	4	Math30**	3
Chemistry 135**	4	BIOL 160 (GE Area R)	4
Total Units	15	Biology 155**	3
		Total Units	16
Fall 2017		Spring 2018	
Fall 2017 Course	Units	Spring 2018 Course	Units
Course	Units 3	Course	Units 3
Course GE Area S (Self and Society)	3	Course GE Area V (Global Understanding)	3
Course GE Area S (Self and Society) Biology 100W (GE Area Z)	3	Course GE Area V (Global Understanding) BIOL Elective	<b>3</b> 3
Course GE Area S (Self and Society) Biology 100W (GE Area Z) BIOL107	3 3 3	Course GE Area V (Global Understanding) BIOL Elective BIOL Elective	3 3 3
Course GE Area S (Self and Society) Biology 100W (GE Area Z)	3	Course GE Area V (Global Understanding) BIOL Elective	3 3

<sup>\*</sup>Classes Required for Optometry Schools.

<sup>\*\*</sup>Required for Optometry and count as Biology classes. Math31 is only required for Berkeley. MATH31 counts as an elective.

<sup>\*\*\* 40</sup> contact hours with an Optometrist and approval by Pre-Optometry Advisor. Or another elective course.