

Recommended Four-Year Plan (120 units) BS, Biological Sciences, Molecular Biology

Below is the recommended program for an entering freshman who wishes to complete a biology degree in four years. Many majors extend their studies to five years because they work more than ten hours a week or have other obligations that necessitate that they proceed more slowly through their coursework, and a separate five-year plan is posted on the Biology Department website for those students. This program assumes that the student has passed the English Placement Test and Entry Level Math Test, has gotten a C or better in high school chemistry, and has placed in Calculus 30 via the Calculus Placement Test. Students must consult an advisor at the College of Science Advising Center (COSAC) in their first and second semesters. Students must consult with advisors in the Molecular Concentration after passing Biol 1B and each semester thereafter. Biology Majors fulfill the General Education Requirements for Areas B1, B2, B3, B4, and R by courses in the major. Biology majors should not take GE courses in Area B.

<p>Fall 1</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Course</th> <th style="text-align: right; border-bottom: 1px solid black;">Units</th> </tr> </thead> <tbody> <tr> <td>Biology 1A</td> <td style="text-align: right;">5</td> </tr> <tr> <td>Chemistry 1A</td> <td style="text-align: right;">5</td> </tr> <tr> <td>English 1A (GE Area A2)</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>GE Area E</u></td> <td style="text-align: right;"><u>3</u></td> </tr> <tr> <td>Total Units</td> <td style="text-align: right;">16</td> </tr> </tbody> </table>	Course	Units	Biology 1A	5	Chemistry 1A	5	English 1A (GE Area A2)	3	<u>GE Area E</u>	<u>3</u>	Total Units	16	<p>Spring 1</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">Course</th> <th style="text-align: right; border-bottom: 1px solid black;">Units</th> </tr> </thead> <tbody> <tr> <td>Biology 1B</td> <td style="text-align: right;">5</td> </tr> <tr> <td>Biology 6</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Chemistry 1B</td> <td style="text-align: right;">5</td> </tr> <tr> <td>English 1B (GE Area C3)</td> <td style="text-align: right;">3</td> </tr> <tr> <td><u>PE</u></td> <td style="text-align: right;"><u>1</u></td> </tr> <tr> <td>Total Units</td> <td style="text-align: right;">15</td> </tr> </tbody> </table>	Course	Units	Biology 1B	5	Biology 6	1	Chemistry 1B	5	English 1B (GE Area C3)	3	<u>PE</u>	<u>1</u>	Total Units	15				
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*Math 60 (Calculus for Biological Sciences), Math 30P (Calculus I with Precalculus), or Calculus A/B or B/C Advanced Placement Exam with a score of 3 or higher is can be substituted for Math 30 (Calculus I). Students must take the Calculus Placement Exam prior to enrolling in calculus at SJSU.

** See recommended Biology Electives in the catalog.

*** See recommended Biology Laboratory Electives in the catalog.

**** History 15A and 15B together satisfy GE Areas D2, D3, F1, F2, and F3.

(revised 4/22/15)