A.S. Degree - Biological Sciences

General Degree Requirements
1. A minimum of 90 quarter units of college credit, including:
   • A minimum of 24 quarter units earned at De Anza College.
   • A maximum of 22 quarter units from another institution may be
     applied toward the major.
2. General Education (G.E) requirements (31-42 quarter units) for the A.A./A.S. degree.
3. Major requirements listed below may also satisfy G.E. requirements.
4. Demonstrated proficiency in mathematics and English.
5. A minimum 2.0 grade point average for all major courses, De Anza College general education requirements and transferred courses combined.
6. See Counseling Center for academic planning and to apply for degree.

Major Requirements Units

<table>
<thead>
<tr>
<th>Major Requirements</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 6A Form and Function in Plants and Animals</td>
<td>6</td>
</tr>
<tr>
<td>BIOL 6B Cell and Molecular Biology</td>
<td>6</td>
</tr>
<tr>
<td>BIOL 6C Evolution, Systematics, and Ecology</td>
<td>6</td>
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<tr>
<td>CHEM 1A General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 1B General Chemistry</td>
<td>5</td>
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<tr>
<td>CHEM 1C General Chemistry and Qualitative Analysis</td>
<td>5</td>
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</tbody>
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Complete a minimum of 15 units from one of the two degree option sequences listed below.

Option 1: Organic Chemistry Emphasis
CHEM 12A Organic Chemistry (5)
CHEM 12B Organic Chemistry (5)
CHEM 12C Organic Chemistry (5)

Option 2: Physics Emphasis
PHYS 2A General Introductory Physics (5)
PHYS 2B General Introductory Physics (5)
PHYS 2C General Introductory Physics (5)
OR
PHYS 4A Physics for Scientists and Engineers (Mechanics) (6)
PHYS 4B Physics for Scientists and Engineers (Electricity and Magnetism) (6)
PHYS 4C Physics for Scientists and Engineers (Fluids, Waves, Optics, and Thermodynamics) (6)

Total Units Required for Major 48-51

Recommended Elective Courses:
BIOL 13, BIOL 15, BIOL 19, BIOL 26, BIOL 40A-C, MATH 1A-D, MATH 10, ES 1

Students may complete either the Organic Chemistry or the Physics option in order to receive the A.S. Degree in Biological Sciences from De Anza College. For students planning to transfer to a four-year institution, it is advised to complete both the Organic Chemistry and Physics options. Course sequences in both are required in most B.S. Biology programs.