## ACADEMIC PLAN: UNIVERSITY OF SAINT FRANCIS

**Bachelor**

**Academic Planning: Biology-Pre-Chiropractic Dual**

(GE = General Education)  
Note that this example exceeds the requirements for the major. Bold-faced are required without alternatives. Courses don’t have to be taken in this order.

### Fall 12-18 credit hours (placements if needed)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Placement/Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 190</td>
<td>Principles of Biology I (4) (GE)</td>
<td></td>
</tr>
<tr>
<td>BIOL 190L</td>
<td>Principles of Biology I Lab (0)</td>
<td></td>
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<tr>
<td>BIOL 480</td>
<td>Biology Seminar (0)</td>
<td></td>
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<tr>
<td>CHEM 141</td>
<td>Principles of Chemistry I (4) (prereq: MATH 131 or 133)</td>
<td></td>
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<tr>
<td>MATH 133</td>
<td>Algebra &amp; Trig. or higher (by placement) (3)</td>
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<tr>
<td>ENGL 101 or 103</td>
<td>English Composition I (3) (GE)</td>
<td></td>
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<tr>
<td>FYS 100/101</td>
<td>Engage/Foundations (3) (GE)</td>
<td></td>
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<tbody>
<tr>
<td>BIOL 191</td>
<td>Principles of Biology II (4)</td>
<td></td>
</tr>
<tr>
<td>BIOL 190L</td>
<td>Principles of Biology II Lab (0)</td>
<td></td>
</tr>
<tr>
<td>BIOL 480</td>
<td>Biology Seminar (0)</td>
<td></td>
</tr>
<tr>
<td>CHEM 142</td>
<td>Principles of Chemistry II (4) (prereq: MATH 133 CHEM 141)</td>
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<tr>
<td>MATH 133</td>
<td></td>
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<tr>
<td>PSYC 121</td>
<td>General Psychology (3) (GE)</td>
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<tr>
<td>COMM 121</td>
<td>Fundamentals of Public Communication (3) (GE)</td>
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<tr>
<td>THEO 105</td>
<td>Franciscan Tradition (3) (GE)</td>
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<tbody>
<tr>
<td>BIOL 226</td>
<td>Microbiology (4) (pre: BIOL 190 &amp; 191)</td>
<td></td>
</tr>
<tr>
<td>BIOL 226L</td>
<td>Microbiology Lab (0)</td>
<td></td>
</tr>
<tr>
<td>BIOL 480</td>
<td>Biology Seminar (0)</td>
<td></td>
</tr>
<tr>
<td>CHEM 241</td>
<td>Organic Chemistry I (4)</td>
<td></td>
</tr>
<tr>
<td>CHEM 241L</td>
<td>Organic Chemistry I Lab (0)</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>such as Social Justice (3)</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>such as in Health and Wellness (2-3)</td>
<td></td>
</tr>
<tr>
<td>GE</td>
<td>such as Rhetoric &amp; Research (3)</td>
<td></td>
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<tr>
<td>BIOL 229</td>
<td>Genetics (4) (prereq BIOL 190 &amp; 191)</td>
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</tr>
<tr>
<td>BIOL 295L</td>
<td>Genetics Lab (0)</td>
<td></td>
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<tr>
<td>CHEM 296</td>
<td>Ecology &amp; Diversity with lab (4)</td>
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<tr>
<td>GE</td>
<td>such as in Theology (3)</td>
<td></td>
</tr>
</tbody>
</table>

### Fall 16 credit hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Placement/Prerequisite(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 271</td>
<td>Mammal. A&amp;P I (3) (prereq: BIOL 190 &amp; 191)</td>
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</tr>
<tr>
<td>BIOL 272</td>
<td>Mammal. A&amp;P I Lab (1) (coreq BIOL 271)</td>
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<tr>
<td>BIOL 480</td>
<td>Biology Seminar (0)</td>
<td></td>
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<tr>
<td>SCIE 257</td>
<td>Physics I (4) (prereq;MATH 133 or MATH 223)</td>
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<tr>
<td>SCIE 257L</td>
<td>Physics Lab (0)</td>
<td></td>
</tr>
<tr>
<td>SCIE 258</td>
<td>Physics II (4) (prereq; MATH 133 or MATH 223, SCIE 257)</td>
<td></td>
</tr>
</tbody>
</table>

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<th>Title</th>
<th>Placement/Prerequisite(s)</th>
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<tbody>
<tr>
<td>BIOL 273</td>
<td>Mammal. A&amp;P II (3) (prereq BIOL 190 &amp; 191)</td>
<td></td>
</tr>
<tr>
<td>BIOL 274</td>
<td>Mammal. A&amp;P II Lab (1) (coreq BIOL 273)</td>
<td></td>
</tr>
<tr>
<td>BIOL 280</td>
<td>Biology Seminar (0)</td>
<td></td>
</tr>
<tr>
<td>CHEM 367</td>
<td>Biotech. Laboratory (1) (coreq: CHEM 333)</td>
<td></td>
</tr>
<tr>
<td>SCIE 258L</td>
<td>Physics Lab (0)</td>
<td></td>
</tr>
</tbody>
</table>

### San Damiano General Education (GE) courses are offered within distributions and are approved by the university’s Curriculum Council. Please see your Academic advisor for additional information.

Please note: This schedule is subject to change based on course offerings and curriculum developments that may occur throughout the 2018-2019 academic year.