Bachelor of Science in Molecular and Cellular Biology

Major in Molecular and Cellular Biology

Major Requirements - 10 to 10.5 units

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Current Perspectives Biology</td>
<td>0</td>
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<tr>
<td>BIOL 141P</td>
<td>Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics</td>
<td>2</td>
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<tr>
<td>BIOL 142P</td>
<td>Introductory Biology: Animal and Plant Physiology</td>
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<tr>
<td>BIOL 243Q</td>
<td>Biostatistics</td>
<td>1</td>
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<tr>
<td>BIOL 300</td>
<td>Molecular Biology and Biotechnology</td>
<td>1</td>
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<tr>
<td>BIOL 497</td>
<td>Research Proposal</td>
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<tr>
<td>BIOL 498</td>
<td>Senior Project I</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 499</td>
<td>Senior Project II</td>
<td>0.5</td>
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</tbody>
</table>

Select two units from the following:

- CHEM 204 Biochemistry I
- BIOL 302 Genetics
- BIOL 425 Cell Biology

Select two units from the following:

- BIOL 301 Microbiology
- BIOL 302 Genetics
- BIOL 314 Immunology and Hematology
- BIOL 315 Endocrinology
- BIOL 401 General Physiology
- BIOL 409 Neurobiology
- BIOL 410 Developmental Biology
- BIOL 415 Cancer Biology
- BIOL 425 Cell Biology
- CHEM 204 Biochemistry I

Collateral Requirements 5 to 6 units

- CHEM 141P General Chemistry I
- & CHEM 142P and General Chemistry II
- CHEM 201 Organic Chemistry I
- & CHEM 301 and Organic Chemistry II
- MATH 151 Mathematics for Life Sciences
  - or MATH 130 Calculus I with Review Part 2
  - or MATH 143 Calculus I with Analytic Geometry

General Electives 8 units

Total Units 32-33.5

General Education Requirements

All students in the College of Arts and Sciences must meet General Education requirements in addition to specific requirements within the major area of study.

Each student must complete at least four writing or writing enhanced (WE) courses to complete the University Writing Requirement. At least two of these courses must be from General Education. Based upon Admissions application information, students may be placed in ENGL 100; ENGL 100 will count toward the Writing requirement if completed with a minimum grade of C.

A single course may not be used to meet more than one of the General Education requirements, but a single course may count toward a General Education requirement and the student’s major or minor requirements, as well as count as a Writing Enhanced course in the Writing requirement. Students should check with their advisor regarding the eligibility of transfer credits to meet General Education requirements after students have enrolled at Stetson. A key component of a liberal education is to learn about the modes of inquiry from a diverse set of disciplines, so no more than 3 courses used to meet General Education requirements may come from a single department and at least 16 of the 32 units required for graduation must come from departments outside the department of the major.

For many majors, certain courses outside the major field of study are required. These courses are called “collateral requirements.”

A student majoring in Education may count among the 32 units as many in the major as are required for completion of an approved program for teacher certification by the State of Florida.
2 Bachelor of Science in Molecular and Cellular Biology

events\(^3\) under Calendar of Events at https://www.stetson.edu/other/calendar/ and selecting Deland Campus.

1 Foundation courses may not be taken pass/fail.
2 1 unit each from 5 out of the 6 areas.
3 The Calendar of Events (https://www.stetson.edu/other/calendar/) for the Deland campus identifies Cultural Events as those marked with a turquoise blue colored square in the lower-left corner of the event block.