PROPOSED COURSES OF STUDY FOR BIOLOGY

Although four years may seem like a long time, many students find it difficult to fit in all the courses and hands-on experiences (study abroad semesters, internships, co-ops, research, independent study, international studies winter term courses, etc.) they would like to have before graduating. Consequently, a good strategy is to plan in advance so that you can tailor your educational experiences at Elon to fit within a four-year framework. To help you in this, we have provided a recommended plan of study and a list of suggestions. These courses of study are the B.S. in Biology Integrative Track, Foundations of Medical Science Track or Biotechnology/Molecular Biology Track, B.A. in Biology.

B.S. BIOLOGY
PROPOSED COURSE OF STUDY

FRESHMAN YEAR

FALL

ENG 110 College Writing or GST 110 Global Experience 4
MTH 212 Statistics or 121 Calculus 4
BIO 111, 113 Introductory Cell Biology and Lab or BIO 131 Biodiversity 4

CHM 111 General Chemistry I and Lab 4

Total 14-16

WINTER

General Studies Elective 4

SPRING

ENG 110 College Writing or GST 110 Global Experience 4
MTH 212 Statistics or 121 Calculus 4
BIO 111, 113 Introductory Cell Biology and Lab or BIO 131 Biodiversity 4
CHM 112 General Chemistry II and Lab 4
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<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
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<tr>
<td>Sophomore</td>
<td>BIO 212/214 Population Biology and Lab and BIO 261 Intro Seminar or BIO 245 Genetics</td>
<td>4+2 or 4</td>
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<tr>
<td></td>
<td>CHM 211 Organic Chemistry I and Lab or PHY 201 Physics I or PHY 221 University Physics I and Lab</td>
<td>4</td>
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<tr>
<td></td>
<td>General Studies Elective or MTH 212 Statistics for those who took Calculus freshman year</td>
<td>4</td>
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<tr>
<td></td>
<td>General Studies Elective if not enrolled in BIO 261 Intro Seminar</td>
<td>(4)</td>
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<tr>
<td></td>
<td>Total</td>
<td>14-16</td>
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<tr>
<td>Winter</td>
<td>General Studies Elective or BIO 335 Field Biology or Biology Special Topics Seminars</td>
<td>4</td>
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<tr>
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<td>BIO 212/214 Population Biology and Lab and BIO 261 Intro Seminar or BIO 245 Genetics</td>
<td>4+2 or 4</td>
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<td>CHM 212 Organic Chemistry II and Lab or PHY 202 Physics II or PHY 222 University Physics II and Lab</td>
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<td>General Studies Elective if not enrolled in BIO 261 Intro Seminar</td>
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<td>14-16</td>
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<tr>
<td>Junior Year</td>
<td>FALL</td>
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Bio Elective 4
CHM 211 Organic Chemistry I and Lab or PHY 201 4
Physics I or PHY 221 University Physics I and Lab
Bio Elective 4
General Studies Elective or BIO 499 Research or BIO 481 Internship 2-4
\[
\text{Total} \\
14-16
\]

\section*{WINTER}

General Studies Elective or BIO 335 Field Biology or Biology Special Topics Seminar 4

\section*{SPRING}

Bio Elective 4
CHM 212 Organic Chemistry II and Lab or PHY 202 4
Physics II or PHY 222 University Physics II and Lab
GST Interdisciplinary Seminar or BIO 499 Research or BIO 481 Internship 2-4
Advanced Studies Elective 4
\[
\text{Total} \\
14-16
\]

\section*{SENIOR YEAR}

\section*{FALL}

Bio Elective 4
BIO 462 Senior Seminar 2
GST Interdisciplinary Seminar or BIO 499 Research or BIO 481 Internship 2-4
Advanced Studies Elective 4
\[
\text{Total 14-16}
\]
**WINTER**

General Studies Elective or BIO 335 Field Biology or Biology Special Topics Seminar 4

**SPRING**

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<th>Course</th>
<th>Credit</th>
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<tr>
<td>General Studies Elective or Advanced Studies Elective</td>
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<tr>
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**B.A. BIOLOGY PROPOSED COURSE OF STUDY**

Similar to the plan outlined for the B.S. degree except that PHY 101 and 102 (or 221 and 222) and CHM 211 and 212 are omitted.

The B.A. degree is an option for students who wish to complete a double major with the second major being outside the natural sciences.

**THINGS TO KEEP IN MIND:**

*UP TO 8 CREDITS OF BIOLOGY ELECTIVE CREDIT CAN BE AT THE 200-LEVEL.

*ANTICIPATE HOW CHANGING ONE CLASS IN THE SEQUENCE MIGHT AFFECT OTHER CLASSES BECAUSE MANY UPPER-LEVEL CLASSES HAVE SPECIFIC PREREQUISITES.

*REMEMBER THAT IN THE FALL OF YOUR SENIOR YEAR THERE IS A COMPREHENSIVE EVALUATION (the ETS Exam), WHICH IS USUALLY SCHEDULED DURING THE FRIDAY BEFORE THE THANKSGIVING BREAK.

*BOTH THE BIOLOGY MAJOR AND GENERAL STUDIES REQUIRE EXPERIENTIAL LEARNING COMPONENTS. RESEARCH OR INTERNSHIP EXPERIENCES SUPERVISED BY BIOLOGY DEPARTMENT FACULTY SATISFY BOTH REQUIREMENTS WHICH CAN BE COMPLETED DURING THE SEMESTER, WINTER TERM OR SUMMER TERM.

*DON'T FORGET TO CHECK PREREQUISITES AND WHICH BIO ELECTIVES ARE OFFERED AS YOU PLAN YOUR SCHEDULE. MANY UPPER-LEVEL ELECTIVES ARE TAUGHT ONCE EVERY OTHER YEAR.
*REMEMBER THAT UP TO 4 S.H. OF BIO 499 CAN COUNT TOWARD THE 8 S.H. OF REQUIRED BIO ELECTIVES AND THAT 4 S.H. OF BIOLOGY SPECIAL TOPICS SEMINARS CAN ALSO COUNT TOWARD THE 8 S.H. OF REQUIRED BIO ELECTIVES.

*THIS SCHEDULE TOTALS 133-138 S.H. WHILE 132 S.H. ARE REQUIRED TO GRADUATE. CONSIDER HOW RETAKING CLASSES MIGHT AFFECT THIS.