

| Semester    |        | Courses   |  |  |  |   | Professional Development   |  |
|-------------|--------|---|--|--|--|---|--|--|
| First Year  | Fall   | <b>1</b><br>BIOL 172<br>Molecular Biology                       | <b>2</b><br>CHEM 115/L<br>General Chem. + Lab        | or<br>CHEM 208/L<br>Analytical Chem. + Lab           | <b>3</b><br>MATH 231<br>Calculus I (or math placement) | FUSE 101<br>Frontiers                   | Drury Fusion   | Statement of Purpose<br>Resume Template<br>Seek Internship and Shadowing Advice<br>Begin volunteer efforts     |
|             | Spring | BIOL 181<br>Genetics<br><small>BIOL 172</small>                 | BIOL 225<br>Biostatistics<br><small>BIOL 172</small> | CHEM 238/L<br>Inorganic Chem. + Lab                  | Drury Fusion   | FUSE 102<br>Intersections               |  |  |
| Second Year | Fall   | BIOL 182<br>Evolution<br><small>BIOL 181</small>                | BIOL 200<br>Ecology<br>Co or Pre: BIOL 182           | <b>4</b><br>CHEM 312/L<br>Organic Chem. React. + Lab | or<br>CHEM 315/L<br>Organic Chem. I + Lab              | <b>5</b><br>PHYS 211<br>General Physics | Drury Fusion   | Internship and/or Shadowing Experiences<br>Prepare for Research<br>Attend Seminars<br>Expand volunteer efforts |
|             | Spring | BIOL<br>Electives   | Drury Fusion   | and<br>CHEM 415/L<br>Organic Chem. II + Lab          |  |   |  |  |
| Third Year  | Fall   | BIOL 351<br>Junior Seminar I<br><small>BIOL 181</small>         | BIOL<br>Electives                                    | PHIL 216<br>What is Knowledge?                       | or<br>PHIL 277<br>Philosophy of Science                | Drury Fusion                            | Internship and/or Shadowing Experiences<br>Complete Statement of Purpose & Resume<br>Exam (GRE, MCAT, etc.)<br>Identify post-graduate positions of interest<br>Senior Seminar Proposal & Project<br>Attend Seminars<br>Extended volunteer & research efforts |  |
|             | Spring | BIOL 352<br>Junior Seminar II<br><small>BIOL 351</small>        | BIOL<br>Electives                                    | Drury Fusion   |  |   |  |  |
| Fourth Year | Fall   | BIOL 483/4<br>Senior Seminar I<br><small>Biol 200</small>       | BIOL<br>Electives                                    | Drury Fusion   |  |   | Applications to post-graduate positions<br>Senior Seminar Project & Presentation<br>Attend Seminars<br>Extended volunteer & research efforts   |  |
|             | Spring | BIOL 494<br>Senior Seminar II<br><small>Biol 483 or 484</small> | BIOL<br>Electives                                    | Drury Fusion   |  |   |  |  |

- Notes**
- If in Biol 110, then shift Biol 172, 181, 182, 200, and 225 down as needed.
  - One year of intro chemistry (i.e., Chem 115/238 *or* 208/238) is typically required for graduate/professional schools in biology-related areas.
  - If in Math 109 or 211, proceed through Math 231 prior to Phys 211.
  - If full year of organic required for graduate/professional school, then either Chem 312/L & 412/L *or* Chem 315/L & 415/L are fine.
  - If pre-med, take Physics in second year; otherwise, third year is fine. A full year of physics may be required for some grad/professional schools.

