**BIOLOGY MAJOR CONCENTRATION CHECKLIST**

STUDENTS: Submit with the Advisement Report and any other major or minor checklists to the Student Services Desk by the due date. See attached for instructions and policies. If substitutions are made, it is the student’s responsibility to make sure the substitutions are acceptable to the Biology Department.

Student Name: _________________________________________________  I.D.:________________________
Other Major(s):_______________________________ Minors:_______________________________________

### I. Required Core Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 13L</td>
<td>Cells and Organisms</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology 14L</td>
<td>Organisms and Populations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biology 41</td>
<td>General Genetics</td>
<td></td>
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</tr>
</tbody>
</table>

### II. One course in Biology of cells (“Group A”)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

### III. One course in Biology of organisms (“Group B”)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

### IV. One course in Biology of populations (“Group C”)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

### V. One course in Quantitative Biology ("Group Q")

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

### VI. Advanced Laboratory Course: (cannot be either Bio 13 or Bio 14 but can be one of the courses listed above that is either exclusively a laboratory course or has a laboratory component associated with a lecture component)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

### VII. Elective 1

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

### VIII. Elective 2

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Semester/Year</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>
IX. Two related field courses in either Chemistry or Physics.

Course Number  Course Title  Semester/Year  Grade  Credit
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______

X. If you have taken any other Biology courses that are not being used for the above requirements, and would like to have them considered for Latin Honors, please list here:

Course Number  Course Title  Semester/Year  Grade  Credit
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______

XI. List any of the above courses that you are also using towards another major. Please attach an additional sheet if needed.

Course Number  Course Title  Semester/Year  Grade  Credit
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______
__________________________  ____________________________  ___________  ______  ______

XII. Research experience [not required for the major; required for candidates for summa cum laude]

Did you do biological bench or field research as an undergraduate?

With whom?_____________________________________________________

at (address)_____________________________________________When/how long?______________________________

Topic?____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

Student’s Signature: ____________________________ Date: ____________________________

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I/We certify that completion of the above courses will satisfy all requirements for the Biology major.

Advisor’s Signature: ____________________________ Date: ____________________________

Department Chair’s Signature: ____________________________ Date: ____________________________
BIOLOGY MAJOR INSTRUCTIONS AND POLICIES

- Eleven courses, including nine courses in Biology numbered 13 or higher (with the exception of Biology 93, and 94), at least seven of which must be completed with a grade of C- or better, and either two courses in chemistry (chosen from Chem 1,2,11,12,51,52) or two courses in Physics (chosen from Physics 1,2,11,12). At least five of the nine biology courses must be taken at Tufts. It is recommended that students take at least one seminar course.

- The nine biology courses must include Bio 13,14, and 41, and at least one course each in the biology of cells (Group A), biology of organisms (Group B), biology of populations (Group C), and quantitative biology (Group Q). If a course is eligible to fulfill one or more of the Groups required for the major, that information will be listed at the end of the course description. A student may choose to count a course for only one Group. If no group designation is listed, the course cannot be used to fulfill any Group of the major’s distribution requirement although the courses are applicable toward the total required for a major.

- At least two courses in biology must include laboratory study, and one of these must be above the level of Biology 14. In fulfilling this laboratory requirement, students may choose from among those laboratory courses for which laboratory is specified in the course description, with the following exceptions: Biology 93 and 94.

- Biology 193 or 194 normally may be used as only one of the nine biology courses for completion of the concentration requirements; on approval of a petition to the department, a maximum of two such courses may be applied toward the major.

- Bio 193 or Bio 194 (but not both) may be used as one of the two electives for the biology major. A student can take Bio 193 and count it as an advanced lab and then take bio 194 and count it as an elective.

- No major course may be taken Pass/Fail.

- Only one statistics course can be used for the biology major

- If you have more than one major, please see Bulletin for rules on double-counting courses.

- If you have a minor, no more than two course credits used toward the minor may be used toward foundation, distribution, major, or other minor requirements.

- Please see Departmental Website for complete major requirements and policies.