

# BIOCHEMISTRY MAJOR CONCENTRATION CHECKLIST

Last Revised: 28 July 2020

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 Biology Courses

|   | Course Title        | Semester/Year | Grade | Credit |
|---|---------------------|---------------|-------|--------|
| Biology 13 (with 13L)                   | Cells and Organisms | _____         | _____ | _____  |
| Biology 41                              | General Genetics    | _____         | _____ | _____  |
| Biology 105                             | Molecular Biology   | _____         | _____ | _____  |
| Biology 50 or Biology 54<br>or ChBE 163 | _____               | _____         | _____ | _____  |

## II. Required Chemistry Courses

|                         | Course Title   | Semester/Year | Grade | Credit |
|-------------------------|--|---------------|-------|--------|
| Chemistry 1 or 11 or 16 | _____  | _____         | _____ | _____  |
| Chemistry 2 or 12       | _____  | _____         | _____ | _____  |
| Chemistry 51/53         | Organic Chemistry I with Lab                         | _____         | _____ | _____  |
| Chemistry 52/54         | Organic Chemistry II with Lab                        | _____         | _____ | _____  |
| Chemistry 31            | Physical Chemistry I                                 | _____         | _____ | _____  |
| Chemistry 43 (or 42)    | Bioanalytical Chemistry                              | _____         | _____ | _____  |
| Chemistry 171           | Organic Chemistry of Living<br>Systems: Biochemistry | _____         | _____ | _____  |
| Chemistry 172           | Advanced Biochemistry                                | _____         | _____ | _____  |

## III. Other Required Courses

|                 | Course Title | Semester/Year | Grade | Credit |
|-----------------|--------------|---------------|-------|--------|
| Mathematics 34  | Calculus II  | _____         | _____ | _____  |
| Physics 2 or 12 | _____        | _____         | _____ | _____  |

IV. If you have taken any other major 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 |
|---------------|--------------|---------------|-------|--------|
| _____         | _____        | _____         | _____ | _____  |
| _____         | _____        | _____         | _____ | _____  |
| _____         | _____        | _____         | _____ | _____  |

**V. 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 |
|---------------|--------------|---------------|-------|--------|
| _____         | _____        | _____         | _____ | _____  |
| _____         | _____        | _____         | _____ | _____  |
| _____         | _____        | _____         | _____ | _____  |
| _____         | _____        | _____         | _____ | _____  |
| _____         | _____        | _____         | _____ | _____  |

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

Did you do research as an undergraduate? If so, please specify your PI/advisor: \_\_\_\_\_

At (address) \_\_\_\_\_ When/how long? \_\_\_\_\_

Topic/Title of Research Project: \_\_\_\_\_

Future Career Plans: \_\_\_\_\_

Non-Tufts Email (for Newsletter): \_\_\_\_\_

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

Advisor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Department Chair's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**BIOCHEMISTRY MAJOR INSTRUCTIONS AND POLICIES**

- **Sixteen courses required**
- **No major course may be taken Pass/Fail.**
- **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.**