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| Rutgers University – Camden  Undergraduate Biology |  |

# Required Course Plan Form for BS in Biology

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| Student INFORMATION | |
| Student Name: | Signature: Date: |
| Advisor: | Signature: Date: |

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| Basic Courses | | | | | |
| Review by Advisor | Courses | Minimum Credits | Course Number | Completed Credits1 | Completed year/semester |
|  | General Biology I with a lab1 | 4 | 120:101,107 |  |  |
|  | General Biology II with a lab1 | 4 | 120:102,108 |  |  |
|  | Unified Calculus2 | 3 | 640:121 |  |  |
|  | Statistics for Biological Research 3 | 3 | 120:283 |  |  |
|  | Chemical Principles I with a lab | 4 | 160:115/125 |  |  |
|  | Chemical Principles II with a lab | 4 | 160:116/126 |  |  |
|  | Organic Chemistry I with a lab4 | 5 | 160:335,336 |  |  |
|  | General Physics I with a lab | 4 | 750:203/131/133 |  |  |
|  | General Physics II with a lab | 4 | 750:204/132/134 |  |  |
| elective Courses with a lab (4 courses)6 | | | | | |
| Review by Advisor | Courses | Minimum Credits | Course Number | Completed Credits | Completed year/semester |
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| Elective Courses (3 courses) | | | | | |
| Review by Advisor | Courses | Minimum Credits | Course Number | Completed Credits | Completed year/semester |
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| senior writing | | | | | |
| Review by Advisor | Courses | Minimum Credits | Course Number | Completed Credits | Completed year/semester |
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The following courses are elective courses for undergraduate research experience.

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| Independent research | | | | | |
| Review by Advisor | Courses | Minimum Credits | Course Number | Completed Credits | Completed year/semester |
|  | Principles and Practices of Biological Research3 | 4 | 120:390/391 |  |  |
|  | Special Problems in Biology5 | 3 | 120:491 |  |  |
|  | Special Problems in Biology5 | 3 | 120:492 |  |  |

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| Honors Thesis | | | | | |
| Review by Advisor | Courses | Minimum Credits | Course Number | Completed Credits | Completed year/semester |
|  | Honor Thesis I6 | 3 | 120:495 |  |  |
|  | Honor Thesis II6 | 3 | 120:499 |  |  |

1 Students are required to take General Biology courses which will be offered in both Fall and Spring semesters. Students must earn a ‘C’ or better grade in General Biology courses before taking Biology electives.

2 Unified Calculus is required (640:121) for Biology majors. Calculus for Business and Life Science (640:130) and similar courses in the community colleges do NOT satisfy this requirement.

3  Statistics for Biological Research (283) course will be offered in both Fall and Spring semesters. This is a required course for biology majors including transfer students. For students who plan to take the curricular research-training track, SBR (283) ->PPBR (285/286) ->Special Problem (491/492) -> Honor Thesis (495/499), SBR and PPBR is a back-to-back one year course. During the SBR course, the instructor of the PPBR course will help students develop the cornerstone projects for the PPBR course in the following semester.

4 Organic Chemistry II with a lab (160:339,340) is not required for the Biology Major. However, Organic Chemistry II with a lab (160:339,340) is required for the admission of medical professional schools. Students planning to apply to Medical Schools or Physician’s Assistance schools should plan to take them either in the second semester of sophomore or in the senior year.

5 Students are encouraged to read the full description of these courses at this webpage; https://biology.camden.rutgers.edu/undergraduate-program/special-topics-in-biology/

Special Problems in Biology (50:120:491) is a S/U grade course.

Special Problems in Biology (50:120: 492) can be used toward the elective laboratory requirement for the degree.

6 Students are encouraged to read the full description of these courses at the department webpage; https://biology.camden.rutgers.edu/undergraduate-program/departmental-honors/