

Rutgers University – Camden
Undergraduate Biology



Required Course Plan Form for BS in Biology

STUDENT INFORMATION		
Student Name:	Signature:	Date:
Advisor:	Signature:	Date:

BASIC COURSES					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits ¹	Completed year/semester
<input type="checkbox"/>	General Biology I with a lab ¹	4	120:101,107		
<input type="checkbox"/>	General Biology II with a lab ¹	4	120:102,108		
<input type="checkbox"/>	Calculus ²	3	640:121		
<input type="checkbox"/>	Principles and Practices of Quantitative Biology ³	3	120:283		
<input type="checkbox"/>	Chemical Principles I with a lab	4	160:115, 125		
<input type="checkbox"/>	Chemical Principles II with a lab	4	160:116,126		
<input type="checkbox"/>	Organic Chemistry I with a lab ⁴	5	160:335,336		
<input type="checkbox"/>	General Physics I	4	750:203/131/133		
<input type="checkbox"/>	General Physics II	4	750:204/132/134		
<input type="checkbox"/>	Principles and Practices of Biological Research ⁵	3	120:295		
ELECTIVE COURSES WITH A LAB (3 COURSES) ⁶					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits	Completed year/semester
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
ELECTIVE COURSES (4 COURSES)					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits	Completed year/semester
<input type="checkbox"/>					
<input type="checkbox"/>					

<input type="checkbox"/>					
<input type="checkbox"/>					
SENIOR WRITING					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits	Completed year/semester
<input type="checkbox"/>					

The following course requirements are for students seeking to receive BS in Biology with Thesis Honor recognition.

THESIS HONORS					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits	Completed year/semester
<input type="checkbox"/>	Special Problems in Biology ⁶	3	120:491		
<input type="checkbox"/>	Special Problems in Biology ⁶	3	120:492		
<input type="checkbox"/>	Senior Thesis I ⁷	3	120:495		
<input type="checkbox"/>	Senior Thesis II ⁷	3	120:496		

¹ Students are required to take Gen Bio I and II, and a 'C' or better grade is required for taking Biology electives.

² Unified Calculus is required from Class 2020. It is highly recommended that students are taking Unified Calculus, although Calculus for Business and Life Science (640:130) can be used as a Math requirement during transition period (2016-2020).

³ PPQB course will be offered in Fall semester only. It is strongly recommended for Biology major students to take PPQB instead of other statistics courses; recommended sequence of courses for sophomores is PPQB (fall) followed by PPBR (in the following spring). PPBR is offered both in spring and in fall semester. Statistics course with a course number 200 or above may replace PPQB under an unavoidable conflict of class schedule.

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 planned to apply 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 This course is a prerequisite for all electives with a lab. Students are recommended to take the course in the second semester of sophomore year. All transfer students are required to take the course within one year after transfer into Rutgers University-Camden.

⁶ Special Problems in Biology (50:120:491) is a S/U grade course. This is an introductory class for students working in the lab and learning lab techniques. Students are highly recommended to prevent a poster in the Biology Day. 50:120:491 cannot be counted as an elective lab.

Special Problems in Biology (50:120:492) can be used toward the elective laboratory requirement for the degree. To use the Special Problems in Biology toward the Biology elective lab requirement, the following condition has to be met;

- Students must co-register with Biology Seminar, and are required to present a seminar.
- Students must take it for the letter grade, not S/U grade.
- Students must take it for at least three credits (minimum 9 hrs lab work per week).

⁷ Taking Special Problems in Biology (50:120:491,492) in two consecutive semesters is required for taking the Thesis Honor course. These are extra elective courses. Students cannot use these course (495/496) for the required elective courses for BS in Biology.