



## 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 <sup>1</sup>	Completed year/semester
<input type="checkbox"/>	General Biology I with a lab <sup>1</sup>	4	120:101,107		
<input type="checkbox"/>	General Biology II with a lab <sup>1</sup>	4	120:102,108		
<input type="checkbox"/>	Unified Calculus <sup>2</sup>	3	640:121		
<input type="checkbox"/>	Principles and Practices of Quantitative Biology <sup>3</sup>	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 <sup>4</sup>	5	160:335,336		
<input type="checkbox"/>	General Physics I with a lab	4	750:203/131/133		
<input type="checkbox"/>	General Physics II with a lab	4	750:204/132/134		

### ELECTIVE COURSES WITH A LAB (4 COURSES)<sup>6</sup>

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"/>					

### ELECTIVE COURSES (3 COURSES)

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

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

The following courses are elective courses for undergraduate research experience.

<b>INDEPENDENT RESEARCH</b>					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits	Completed year/semester
<input type="checkbox"/>	Principles and Practices of Biological Research <sup>3</sup>	4	120:295/296		
<input type="checkbox"/>	Special Problems in Biology <sup>5</sup>	3	120:491		
<input type="checkbox"/>	Special Problems in Biology <sup>5</sup>	3	120:492		

<b>HONORS THESIS</b>					
Review by Advisor	Courses	Minimum Credits	Course Number	Completed Credits	Completed year/semester
<input type="checkbox"/>	Honor Thesis I <sup>6</sup>	3	120:495		
<input type="checkbox"/>	Honor Thesis II <sup>6</sup>	3	120:499		

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> PPQB 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, PPQB (283) ->PPBR (285/286) ->Special Problem (491/492) -> Honor Thesis (495/499), PPQB and PPBR is a back-to-back one year course. During the fall PPQB course, the instructor of the PPBR course will help students develop the cornerstone projects for the spring PPBR course.

<sup>4</sup> 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.

<sup>5</sup> 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.

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