

# BIOLOGY AND BIOTECHNOLOGY MAJOR

## Program Tracking Sheet

Effective for students entering AY 2022-2023

Name:	Class Year:
Advisor:	2 <sup>nd</sup> Major:

**NOTES:** Minimum total academic credit = 15 units

Residency Req.: Min. of 8 units must be completed at WPI

### HUMANITIES AND ARTS (6/3 unit)

All 5 HUA courses must be completed before beginning the Inquiry Seminar or Practicum.

<b>Depth Component</b>				
Students must complete at least three thematically-related courses prior to the culminating Inquiry Seminar or Practicum in the same thematic area. At least one of the three courses should be at the 2000-level or above.				
	Course	Term	Grade	Units
1				1/3
2				1/3
3				1/3
4	HU 3900 or HU 3910			1/3
<b>Breadth Component</b>				
Students must take at least one course outside the grouping in which they complete their depth component. To identify breadth, courses are grouped in the following manner.				
i. art/art history, drama/theatre, and music (AR, EN/TH, MU);				
ii. foreign languages (AB, CN, EN, GN, SP);				
iii. literature and writing rhetoric (EN, WR, RH);				
iv. history and international studies (HI, HU, INTL);				
v. philosophy and religion (PY, RE).				
Exception: May take all six courses in a foreign language				
5				1/3
<b>Humanities Elective</b>				
6				1/3

### PHYSICAL EDUCATION (4 PE classes = 1/3 unit)

7				1/12
				1/12
				1/12
				1/12

### SOCIAL SCIENCE (2/3 unit) ECON, ENV, GOV, PSY, SD, SOC, SS, STS, DEV and ID2050

8				1/3
9				1/3

### THE INTERACTIVE QUALIFYING PROJECT (1 unit)

10				1/3
11				1/3
12				1/3

### FREE ELECTIVES (1 unit)

13				1/3
14				1/3
15				1/3

### MATHEMATICAL SCIENCES, PHYSICS, COMPUTER SCIENCE, ENGINEERING (5/3 units)

Courses with prefix: MA, PH, CS, and Engineering Science Courses  
BB 3010 and BB 4801 may count toward this requirement

16				1/3
17				1/3
18				1/3
19				1/3
20				1/3

### CHEMISTRY (5/3 unit) Course with prefix: CH

21				1/3
22				1/3
23				1/3
24				1/3
25				1/3

### BIOLOGY AND BIOTECHNOLOGY (10/3 unit)

At least 2/3 unit of Biology and Biotechnology coursework must be taken from each of three major divisions of biology (see Undergraduate Course Catalog, under Program Distribution Requirements for the BBT Major). The 2/3 unit for each division may include courses from any level (1000 – 4000). BB 1000, 1001, 1002 and BB/BCB 1003 may not count.

26	BB 10__			1/3
27	BB 10__			1/3
28	BB 2__			1/3
29	BB 2__			1/3
30	BB 2__			1/3
31	BB 2__			1/3
32	BB 3/4__			1/3
33	BB 3/4__			1/3
34	BB 3/4__			1/3
35	BB 4900			1/3

### Breadth Requirement (can double count with the BB courses above)

	Cell & Mol			1/3
	Cell & Mol			1/3
	Organismal			1/3
	Organismal			1/3
	Environmental			1/3
	Environmental			1/3

### LABORATORY EXPERIENCE (4/3 unit)

Chosen from among the BB 2000 and 3000 level labs and the Experimental Biochemistry labs, CH 4150 (counts as a 3000 level lab). Must include at least 1/2 unit of work at the 2000 level. Labs are worth either 1/6 or 1/3 unit.

36	BB 29__			
	BB 29__			
37	BB 29__			
			Total BB 2900 lab credits (≥ 1/2 unit)	
38	BB 35__			
	BB 35__			
39	BB 35__			
			Total BB 3500 lab credits	
			Total lab credits (≥ 4/3 unit)	

### RELATED COURSES (3/3 unit) Any BB 3000/4000 level or

BCB: BCB 4002, BCB 4003, BCB 4004

CE/CHE: CE3059, CHE 3301

CH: CH 2330, CH 3510, CH 4110, CH 4120, CH 4130, CH 4140, CH 4160

40				1/3
41				1/3
42				1/3

### MAJOR QUALIFYING PROJECT (1 unit)

43				1/3
44				1/3
45				1/3