

# BIOCHEMISTRY MAJOR Program Tracking Sheet

Effective for students entering AY 2024-2025

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 REQUIREMENT (6/3 unit)

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

#### Depth Component

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

#### Breadth Component

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
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#### Humanities Elective

6				1/3
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### WELLNESS AND PHYSICAL EDUCATION (4 WPE 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

### MATHEMATICS AND PHYSICS (2 units)

The mathematics in MA 1021 – MA 1024 or the equivalent is recommended.

The physics in PH 1110 – PH 1120 or equivalent is recommended.

16				1/3
17				1/3
18				1/3
19				1/3
20				1/3
21				1/3

### CHEMISTRY AND BIOCHEMISTRY (13/3 unit)

Must include one unit of organic, 4/3 units of biochemistry, and 1/3 unit each of physical (3000 level or higher) and inorganic chemistry (3000 level or higher).

22	CH23__			1/3
23	CH23__			1/3
24	CH23__			1/3
25	CH35__			1/3
26	CH3410/4420			1/3
27	CH41__			1/3
28	CH41__			1/3
29	CH41__			1/3
30	CH41__			1/3
31				1/3
32				1/3
33				1/3
34				1/3

### BIOLOGY (4/3 unit)

Must include 1/3 unit of cell biology, 1/3 unit of genetics, and 1/3 unit of advanced work (3000 level or higher)

35				1/3
36				1/3
37				1/3
38				1/3

### CHEMISTRY AND BIOCHEMISTRY/BIOLOGY LABORATORY (1 unit)

This unit must include a minimum of 2/3 unit of Chemistry and Biochemistry labs, of which 1/3 unit must be either CH 4150 or CH 4170. The remaining 1/3 unit may come from BB or CBC labs. However, counting both CH 4170 and BB 3827 is not allowed.

39	CH 4150 or CH 4170			1/3
40	CH			1/3
41	CH/BB			
(41.5)	BB			(1/6)

### OTHER NATURAL OR COMPUTER SCIENCE (1/3 unit)

Any course in the natural sciences (not used to satisfy another requirement) or in computer science may be used to satisfy this requirement.

42				1/3
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### MAJOR QUALIFYING PROJECT (1 unit)

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