

BIOLOGY AND BIOTECHNOLOGY MAJOR

Program Tracking Sheet

Effective for students entering AY 2021-2022

| | |
|----------|------------------------|
| Name: | Class Year: |
| Advisor: | 2 nd 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.

| 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 |
| Humanities Elective | | | | |
| 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. Must include at least ½ unit of work at the 2000 level. Labs are worth either 1/6 or 1/3 unit.

| | | | | |
|----|---------|--|--|-----|
| 36 | BB 29__ | | | 1/6 |
| | BB 29__ | | | 1/6 |
| 37 | BB 29__ | | | 1/6 |
| | | | | 1/6 |
| 38 | | | | 1/6 |
| | | | | 1/6 |
| 39 | | | | 1/6 |
| | | | | 1/6 |

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 |