

BIOCHEMISTRY MAJOR
Program Tracking Sheet Based on AY 2018-19 Degree Requirements and Course Offerings

| | |
|----------|------------------------|
| 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 REQUIREMENT (2 units)

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)

| | | | | |
|---|--|--|--|------|
| | | | | 1/12 |
| 7 | | | | 1/12 |
| | | | | 1/12 |
| | | | | 1/12 |

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

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|---|--|--|--|-----|
| 8 | | | | 1/3 |
| 9 | | | | 1/3 |

THE INTERACTIVE QUALIFYING PROJECT (1 unit)

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|----|--|--|--|-----|
| 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.

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|----|--|--|--|-----|
| 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 4150 and any of BB 3518, BB 3159, or BB 3516 is not allowed. Likewise, counting both CH 4170 and any of BB 3512 or BB 3518 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.

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|----|--|--|--|-----|
| 42 | | | | 1/3 |
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MAJOR QUALIFYING PROJECT (1 unit)

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|----|--|--|--|-----|
| 43 | | | | 1/3 |
| 44 | | | | 1/3 |
| 45 | | | | 1/3 |