

Bachelor of Sciences - Biology Entomology Option

An undergraduate degree from Washington State University requires a minimum of 120 total semester hours. The University, College of Arts and Sciences, and School of Biological Sciences each have specific requirements for a degree; checklists for these requirements are provided on the second page of this sheet. Requirements and electives for the specific degree and option headlined above are listed below this paragraph. All official requirements for each student's specific degree are listed in the student's my.wsu.edu Academic Requirement Report. This sheet is only meant to serve as a guide.

Biology Core Requirements:

Biological Sciences Requirements:

| | Credits | Grade |
|-------------------------------------------------------|---------|-------|
| BIOLOGY 106 Intro Biology: Organismal | 4 | _____ |
| BIOLOGY 107 Intro Biology: Cell Bio & Genetics | 4 | _____ |
| BIOLOGY 301 General Genetics | 4 | _____ |
| BIOLOGY 370 [M] Ecology of Health & Disease OR | | |
| BIOLOGY 372 [M] General Ecology | 4 | _____ |
| BIOLOGY 395 Evolutionary Medicine OR | | |
| BIOLOGY 403 Evolutionary Biology OR | | |
| BIOLOGY 405 Prin. of Organic Evolution | 3 | _____ |

Calculus Requirement:

| | | |
|-------------------------------------------------|---|-------|
| MATH 140 Calculus for Life Scientists OR | | |
| MATH 171 Calculus I | 4 | _____ |

Statistics Requirement:

| | | |
|-------------------------------------------------|-----|-------|
| STAT 212 Intro to Statistical Methods OR | | |
| STAT 412 Stat Methods in Research I OR | | |
| PSYCH 311 Statistics in Psychology | 3-4 | _____ |

Chemistry Requirement:

| | | |
|--------------------------------------|---|-------|
| CHEM 105* Principles of Chemistry I | 4 | _____ |
| CHEM 106* Principles of Chemistry II | 4 | _____ |
| CHEM 345 Organic Chemistry I | 4 | _____ |

Physics Requirement:

| | | |
|------------------------------------------------------|---|-------|
| PHYS 101* & 111* General Physics I and Lab OR | | |
| PHYS 201* & 211* Physics for Sci. & Engineers I | 4 | _____ |
| PHYS 102 & 112 General Physics II and Lab OR | | |
| PHYS 202 & 212 Physics for Sci. & Engineers II | 4 | _____ |

Entomology Requirements:

A minimum of 21 hours must be selected. At least one course must be taken from each of the Biochemistry, Plant and Animal emphasis areas. ENTOM 343 and six additional hours of upper division ENTOM credit are required for the Entomology emphasis.

Additional electives in the School of Biological Sciences that are suitable for this option can be found at: <https://sbs.wsu.edu/courses-electives/>. Courses in other departments at WSU may also be suitable as electives and should be chosen in consultation with your advisor.

Biochemistry Requirement:

| | | |
|--------------------------------------|-----|--|
| CHEM 370 Chemical Biology OR | | |
| M BIOS 303 Introductory Biochemistry | 3-4 | |

Plant Requirement:

| | Credits | Grade |
|---------------------------------------------|---------|-------|
| BIOLOGY 332 [M] Systematic Botany OR | | |
| BIOLOGY 420 Plant Physiology | 3-4 | _____ |

Animal Requirement:

| | | |
|----------------------------------------------|---|-------|
| BIOLOGY 322 Invertebrate Biology OR | | |
| BIOLOGY 350 Comparative Physiology OR | | |
| BIOLOGY 418 Parasitology | 4 | _____ |

Entomology Requirement:

| | | |
|----------------------------------------------|---|-------|
| ENTOM 343 General Entomology | 3 | _____ |
| Additional Upper Division Entomology credits | 6 | _____ |

*Chemistry and Physics require a grade of C or better to progress to the next level course.

School of Biological Sciences Requirements

- A minimum of 120 total semester hours.
- At least 40 semester hours must be 300 and 400 level coursework.
- A minimum of 19 semester hours of core BIOLOGY courses (BIOLOGY 106; 107; 301; 370 or 372; and 395 or 403 or 405).
- An additional 21 semester hours of biological sciences coursework selected in consultation with your biology advisor. The 21 semester hours must include 15 credits of 300 and 400 level courses, six of which must be BIOLOGY taken in residence at WSU. See guidelines for the many BIOLOGY options that are available to structure your course selections.
- An overall GPA of at least 2.0 must be maintained in all college and departmental requirements.
- A maximum of four credits of coursework that are graded S,F may be used toward fulfilling School requirements or program options, and no other courses taken S,F can be applied toward fulfilling School requirements or program options.
- Two BIOLOGY courses to satisfy the "Writing in the Major" [M] requirement.
- One BIOLOGY course to satisfy the "Capstone" [CAPS] requirement.

UCORE and College of Arts and Sciences Requirements

| | Grade | | Credits |
|--------|-------|----------------------------------------------------------|---------|
| [ROOT] | _____ | Roots of Contemporary Issues | (3) |
| [COMM] | _____ | Communication OR | (3) |
| [WRTG] | _____ | Written Communication | (3) |
| [WRTG] | _____ | Written Communication | (3) |
| [QUAN] | _____ | Quantitative Reasoning | (3) |
| [SSCI] | _____ | Inquiry in the Social Sciences | (3) |
| [HUM] | _____ | Inquiry in the Humanities | (3) |
| [ARTS] | _____ | Inquiry in the Arts | (3) |
| [BSCI] | _____ | Inquiry in the Biological Sciences | (3) |
| [PSCI] | _____ | Inquiry in the Physical Sciences | (3) |
| [] | _____ | Inquiry in [SSCI], [HUM], or [ARTS] <small>(CAS)</small> | (3) |
| [DIVR] | _____ | Diversity | (3) |
| [CAPS] | _____ | Integrative Biology Capstone | (3) |
| [M] | _____ | Writing in the Major (Biology) | (2-4) |
| [M] | _____ | Writing in the Major (Biology) | (2-4) |

Note: Three UCORE courses of 3 credits (9 credits total) may fulfill major requirements.

- _____ Foreign Language 1 yr. or 2 yrs. HS (CAS)
- _____ Upper Division 3xx-4xx (Minimum 40 credits)
- _____ Minimum Total Credits (120)
- _____ Junior Writing Portfolio

<https://writingprogram.wsu.edu/university-writing-portfolio/>