

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		
MBIOS 303	Introductory Biochemistry	3-4	

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

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	_____

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

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/>