ENTOMOLOGY: INSECT BIOLOGY AND ECOLOGY, BSAG

Requirements for Students Matriculating in or before Academic

Year 2025-2026. Learn more about University Academic Regulation 3.1 (http://catalog.okstate.edu/university-academic-regulations/ #matriculation).

Minimum Overall Grade Point Average: 2.00 Total Hours: 120

Code	Title	Hours
General Education R	equirements	
English Composition		
5	lation 3.5 (http://catalog.okstate.edu/	
	-regulations/#english-composition/)	
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the following:		3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
American History & G	overnment	
Select one of the fol	lowing	3
HIST 1103	Survey of American History	
HIST 1483	American History to 1865 (H)	
HIST 1493	American History Since 1865 (DH)	
POLS 1113	American Government	3
Quantitative Thought	& Logical Reasoning (Q)	
Select one of the fol	lowing:	3
MATH 1483	Mathematical Functions and Their Uses (Q)	
MATH 1513	College Algebra (Q) ¹	
MATH 1613	Trigonometry (Q) ¹	
MATH 2103	Business Calculus (Q) ¹	
Understanding Huma	nities-Human Heritage & Cultures (H)	
Courses designated	(H)	6
Courses designated (N)	
Must include one La	boratory-Based Inquiry (L) course	
BIOL 1113	Introductory Biology (N)	4
& BIOL 1111	and Introductory Biology Laboratory (LN)	
or BIOL 1114	Introductory Biology (LN)	
Courses designated	(N)	2
Exploring Society & H	luman Behavior (S)	
Course designated (S)	3
Diversity (D)		
Courses designated (D)		
Global Cultural Comp	etency (G)	
Courses designated (G)		
Additional General Ed	lucation	

Additional general education credit hours (at least 4 hours) are required to meet the total 40-hour minimum. If courses carry more than one general education designation and can be used to meet multiple minimum general education designation hours above, a minimum of 4 hours of additional general education will be required here to meet the 40-hour minimum.

se required nore re		
Courses designate	ed (Q), (H), (N), (S), (D), (G), or (F).	4
Hours Subtotal		40
College/Departme	ntal Requirements	
Agricultural Science	es and Natural Resources	
Ferguson College	of Agriculture course cannot be used here and	
as an (N)		
UNIV 1111	First Year Seminar (or other approved first	1
	year seminar course)	
AGEC 1113	Introduction to Agricultural Economics (S)	3
ENTO 2993	Introduction to Entomology (LN)	3
STAT 2013	Elementary Statistics (Q)	3
Select one of the f	ollowing:	3
ANSI 1124	Introduction to the Animal Sciences	
BIOC 2344	Chemistry and Applications of Biomolecules	
ENVR 1113	Elements of Environmental Science (N)	
FDSC 1133	Fundamentals of Food Science	
HORT 1013	Principles of Horticultural Science (LN)	
LA 1013	Introduction to Landscape Architecture	
NREM 1014	Introduction to Natural History (LN)	
NREM 1113	Elements of Forestry	
NREM 2013	Ecology of Natural Resources	
PLNT 1213	Introduction to Plant and Soil Systems (N)	
SOIL 2124	Fundamentals of Soil Science (N)	
Written and Oral Co		
Select one of the f	ollowing:	3
AGCM 3103	Written Communications in Agricultural	-
	Sciences and Natural Resources	
BCOM 3113	Written Communication	
BCOM 3443	Business Communication for International Students	
ENGL 3323	Technical Writing ²	
Select one of the f		3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S)	
SPCH 2713	Introduction to Speech Communication (S)	
SPCH 3733	Elements of Persuasion (S)	
Hours Subtotal		19
Major Requiremen	ts	
maximum of 30 ho doctoral health pro	n the advisor and the department head, a ours of science courses from an accredited ogram may be substituted for major r than the ENTO core courses.	
Core Courses		
ENTO 4044	Insect Morphology and Physiology	4
ENTO 4464	Insect Biology and Classification	4
ENTO 2001	Introduction to Entomological Research	1
ENTO 2001	Desearch Obills in Enternalismu	-

Research Skills in Entomology

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ENTO 3001

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ENTO 4800	Entomology Practicum	1
Entomology or Plant	Pathology courses not taken as a core	12
course		
ENTO 2003	Insects and Society (N)	
ENPP 2143	Global Agricultural Biosecurity and Forensics	
ENTO 2223	Insects in Global Public Health (N)	
ENTO 2890	Entomology and Plant Pathology Honors Add-on (Honors Add-On)	
ENTO 3003	Livestock Entomology	
ENTO 3263	Pests of Agriculture, Urban, and Natural Ecosystems (Pests of Ag Urban and Forest)	
ENTO 3533	Arachnid Biology (Arachnid Biology)	
PLP 4343	Principles of Plant Pathology	
PLP 3553	Fungi: Myths and More	
ENPP 3663	Turfgrass Integrated Pest Management	
ENPP 4423	Pesticide Applications (Pesticide Application)	
ENTO 4400	Special Topics	
ENTO 4213	Invertebrate Conservation (Invertebrate Conservation)	
ENTO 4484	Aquatic Entomology	
ENTO 4513	Biological Control	
ENTO 4573	Introduction to Forensic Entomology	
ENTO 4854	Medical and Veterinary Entomology	
Related Courses		
Genetics:		
Select one of the foll	owing:	3
BIOL 3023	General Genetics	
ENPP 4323	Genomic Data Applications for Biosecurity (Genomic Data Applications for Biosecurity)	
PLNT 3554	Plant Genetics and Biotechnology	
ANSI 3423	Animal Genetics	
Ecology:		
Select one of the foll	owing:	3
BIOL 3034	General Ecology	
NREM 4033	Ecology Of Invasive Species	
ENTO 4223	Ecological Methodology	
Chemistry:		
CHEM 1215	Chemical Principles I (LN)	5
CHEM 1225	Chemical Principles II (LN) ¹	5
or CHEM 1515	Chemistry II (LN)	
Select one of the follo	, , ,	3
BIOC 3653	Survey of Biochemistry	
CHEM 3013	Survey of Organic Chemistry	
	mology, Plant Pathology, or related Math or	19
Science courses.		. 5
	n to 10 and it have af up and division fourier	
	p to 10 credit hours of upper division foreign ostituted	
Foreign Language: U language may be sub Hours Subtotal		61

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College & Departmental requirements that may be used to meet General Education requirements.

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If ENGL 3323 Technical Writing is substituted for ENGL 1213 Composition II above; hours in this block are reduced by 3.

3

If used as (S) course above, hours in this block reduced by 3.

Other Requirements

- A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above.
- A 2.00 GPA or higher in upper-division hours.

Additional State/OSU Requirements

- At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 and 50% of the upper-division hours in the major field completed at OSU.
- Limit of: one-half of major course requirements as transfer work; onefourth of hours earned by correspondence; 8 transfer correspondence hours.
- Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.
- Degrees that follow this plan must be completed by the end of Summer 2031.