ENTOMOLOGY: BIO-FORENSICS, BSAG

Requirements for Students Matriculating in or before Academic Year 2024-2025. 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 I	Requirements	
English Composition	1	
5	ulation 3.5 (http://catalog.okstate.edu/ c-regulations/#english-composition/)	
ENGL 1113	Composition I	3
or ENGL 1313	Critical Analysis and Writing I	
Select one of the fo	llowing:	3
ENGL 1213	Composition II	
ENGL 1413	Critical Analysis and Writing II	
ENGL 3323	Technical Writing	
American History & (Government	
Select one of the fo	llowing:	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
Analytical & Quantita		
Select one of the fo	5 ()	3
MATH 1513	College Algebra (A) ¹	Ū
MATH 1613	Trigonometry (A) ¹	
MATH 2103	Business Calculus (A) ¹	
Humanities (H)		
Courses designated	1(H)	6
Natural Sciences (N)		0
. ,	aboratory Science (L) course	
CHEM 1314	Chemistry I (LN) 1	4
Select four hours fr		4
BIOL 1113	Introductory Biology (N)	-
& BIOL 1111	and Introductory Biology Laboratory (LN) ¹	
BIOL 1114	Introductory Biology (LN) ¹	
Social & Behavioral S		
Course designated		3
Additional General E	()	
Courses designated		8
Hours Subtotal		40
Diversity (D) & Inter	national Dimension (I)	
	in any part of the degree plan	
	Diversity (D) course	
	International Dimension (I) course	
College/Departmen		
	s and Natural Resources	
- ground an obieniou		

as an (N)		
UNIV 1111	First Year Seminar (or other approved first year seminar course)	1
AGEC 1113	Introduction to Agricultural Economics (S)	3
ENTO 2993	Introduction to Entomology (LN)	3
STAT 2013	Elementary Statistics (A)	3
Select one of the fo		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	
SOIL 2124	Fundamentals of Soil Science (N)	
Written and Oral Cor	nmunications	
Select one of the fo	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 fo		3
AGCM 3203	Oral Communications in Agricultural Sciences & Natural Resources (S)	
SPCH 2713	Introduction to Speech Communication (S)	
SPCH 3733	Elements of Persuasion (S)	
3600 3133		
Hours Subtotal		19
		19
Hours Subtotal		19
Hours Subtotal Major Requirement	is	19 8
Hours Subtotal Major Requirement Core Courses	t s bllowing:	-
Hours Subtotal Major Requirement Core Courses Select two of the fo	is	-
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044	s bllowing: Insect Morphology and Physiology Insect Biology and Classification	-
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464	ts bllowing: Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology	-
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854	ts bllowing: Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology	-
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854 Additional Core Court	is ollowing: Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology <i>rses</i>	8
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4464 ENTO 4854 Additional Core Course ENTO 4573	is bllowing: Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology rses Introduction to Forensic Entomology	8
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854 Additional Core Cour ENTO 4573 SOC 4333	is	8 3 3
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854 Additional Core Cour ENTO 4573 SOC 4333 SOC 4743	is	8 3 3
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4464 ENTO 4854 Additional Core Cour ENTO 4573 SOC 4333 SOC 4743 Additional Entomolo	is pollowing: Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology rses Introduction to Forensic Entomology Criminology (S) Criminalistics: Introduction to Forensic Sciences pgy Global Agricultural Biosecurity and	8 3 3 3
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854 Additional Core Courses ENTO 4573 SOC 4333 SOC 4743 Additional Entomological ENPP 2143	Insect Morphology and Physiology Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology <i>rses</i> Introduction to Forensic Entomology Criminology (S) Criminalistics: Introduction to Forensic Sciences	8 3 3 3 3
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854 Additional Core Cour ENTO 4573 SOC 4333 SOC 4333 SOC 4743 Additional Entomolo ENPP 2143 ENTO 4800	Insect Morphology and Physiology Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology <i>rses</i> Introduction to Forensic Entomology Criminology (S) Criminalistics: Introduction to Forensic Sciences	8 3 3 3 3
Hours Subtotal Major Requirement Core Courses Select two of the for ENTO 3044 ENTO 4464 ENTO 4854 Additional Core Courses SOC 4333 SOC 4743 Additional Entomological ENTP 2143 ENTO 4800 Related Courses	is pollowing: Insect Morphology and Physiology Insect Biology and Classification Medical and Veterinary Entomology rses Introduction to Forensic Entomology Criminology (S) Criminalistics: Introduction to Forensic Sciences pgy Global Agricultural Biosecurity and Forensics Entomology Practicum	8 3 3 3 3

PLNT 3554	Plant Genetics and Biotechnology	
ANSI 3423	Animal Genetics	
Chemistry:		
CHEM 1515	Chemistry II (LN)	5
Organic Chemistry (5	upper division hours)	5
BIOC 3653	Survey of Biochemistry	3
Lab Courses:		
CHEM 2113	Principles of Analytical Chemistry	3
CHEM 2122	Quantitative Analysis Laboratory	2
BIOC 3723	Biochemistry and Molecular Biology Laboratory	3
Additional Biological	Courses	
Select 7 hours of the	following:	7
MICR 2123 & MICR 2132	Introduction to Microbiology and Introduction to Microbiology Laboratory	
MICR 3033	Cell and Molecular Biology	
MICR 4123	Virology	
MICR 4203	Bioinformatics	
MICR 4233	Advanced Cell and Molecular Biology	
MICR 4253	Concepts in Medical Genetics	
MICR 4263	Microbial Genetics: from Genes to Genomes	
MICR 4323	Cellular Energy Metabolism	
BIOL 3204	Physiology	
BIOL 4215	Mammalian Physiology	
BIOL 4283	Endocrinology	
BIOL 4293	Behavioral Neuroendocrinology	
BIOL 4303	Organismal Ecotoxicology (OR)	
Upper level entomolo	ogy, plant pathology, biological sciences,	
forensic sciences co	urses not taken for credit in other categories.	
Additional Math and	Science	
Select 7 hours of the	following:	7
MATH 2144	Calculus I (A)	
MATH 2153	Calculus II (A)	
PBIO 1404	Plant Biology (LN)	
CHEM 3153	Organic Chemistry II	
PHYS 1114	College Physics I (LN)	
PHYS 1214	College Physics II (LN)	
STAT 2331	SAS Programming	
STAT 4013	Statistical Methods I (A)	
STAT 4023	Statistical Methods II	
BIOL 1604	Animal Biology	
BIOL 4133	Evolution (OR)	
Other math and so categories	cience courses not taken for credit in other	
Foreign Language		
	of upper division foreign language may Iditional Natural Resources or Biological	
Hours Subtotal		61
Electives		

Select 0 hours or hours to complete required total for degree	
Total Hours	120
1	

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

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

Other Requirements

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- 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 or 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 2030.