

Sample course plans for Entomology Majors entering OSU as Freshmen

*Course plans are *suggestions* of courses that best fit a student's interests*

Students should consult with their Academic Advisor about which Course Plan is best for them

Advisors:

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Sustainable Insect Management

<u>Required ENTMLGY Core Courses</u>	<u>Credits</u>	<u>Semester(s) Offered</u>
ENTMLGY 4000 General Entomology Lecture	3	AU, SP
ENTMLGY 4001 General Entomology Lab	1	AU
ENTMLGY 5604 Capstone Problem-Based Studies in Plant Health	2	SP

<u>Required Courses (Minor Equivalent)</u>	<u>Credits</u>	<u>Semester(s) Offered</u>
MATH 1151 Calculus I	5	AU, SP
EEOB 3410 Ecology	4	AU, SP
MOLGEN 4500 General Genetics	3	AU, SP

<u>Required Course in Applied Entomology</u>	<u>Credits</u>	<u>Semester(s) Offered</u>
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Students must earn credit for ONE of the following courses:

ENTMLGY 4601 General Insect Pest Management	2	AU
ENTMLGY 4607 Veterinary Entomology	2	AU, SP
ENTMLGY 5110 Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments	3	TBD
ENTMLGY 5605 Vector Biology and Vector Borne Diseases	3	AU
ENTMLGY 5608 Turfgrass Insect and Mite Pests	2	SP
ENTMLGY 5609 Landscape and Ornamental Plant Insect and Mites Pests	3	SP

Required Courses for CFAES GE Requirements for the B.S. in Agriculture

FAES 1100	.5
ENTMLGY 1100	.5
Social Science 1 (RURLSOC 1500 or SOCIOL 1101)	3
Writing Level 1 (English 1110)	3
Social Science 2 (AEDECON 2001 or ECON 2001)	3
Writing Level 2 (see suggested courses below)	3
Historical Study	3
Agr Comm 3130 or Comm 2110	3
Culture & Ideas or Historical Study	3
MATH 1150	4
Literature	3
Data Analysis (Comldr 3537, AEDE 2005, AnSci 2260, HCS 2260, ENR 2000, Stat 1450)	3
Art	3
Biology 1113	4
Biology 1114	4
Contemporary Issues	3

Suggested Courses for CFAES GE Requirements for the B.S. in Agriculture**Social Science 1**

RURLSOC 1500	Rural Sociology	3	AU
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Social Science 2

AEDECON 2001	Economics	3	SP
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Data Analysis

HCS 2260	Data Analysis	3	SP
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Historical Study

See Approved CFAES GE List	3	
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Culture and Ideas or Historical Study

See Approved CFAES GE List	3	
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Literature

See Approved CFAES GE List	3	
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Art

See Approved CFAES GE List	3	
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Contemporary Issues

See Approved CFAES GE List	3	
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Writing Level 2

See Approved CFAES GE List		
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Communications

AGRCOMM 3130	Oral Expression	3	SP
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<u>Suggested ENTMLGY Electives for Sustainable Insect Management</u>		<u>Credits</u>	<u>Semester(s) Offered</u>
ENTMLGY 2101	Insects in Human Affairs	3	AU, SP
ENTMLGY 2200	Bee Keeping	2	SP
ENTMLGY 4601	General Insect Pest Management	2	AU
ENTMLGY 4999	Research with Distinction	1 – 6	AU, SP, SU
ENTMGLY 4999H	Honors Research with Distinction	1 – 6	AU, SP, SU
ENTMLGY 5110	Ecology and Management of Pathogens and Insects Affecting Trees in Forest and Urban Environments	3	TBD
ENTMLGY 5500	Biological Control of Arthropod Pests	3	SP
ENTMLGY 5600	Principles and Applications of Integrated Pest Management	3	SP
ENTMLGY 5608	Turfgrass Insect and Mite Pests	2	SP
ENTMLGY 5609	Landscape and Ornamental Plant Insect and Mites Pests	2	SP
ENTMLGY 5610	Greenhouse Plant Health and Pest Management	2	TBD
ENTMLGY 5800	Pesticide Science	3	S

Suggested NON-ENTMLGY Electives for Sustainable Insect Management **Credits** **Semester(s) Offered**

Suggested CHEM Electives for Sustainable Insect Management

CHEM 2310	Introductory Organic Chemistry	4	AU, SP
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Suggested ENR Elective for Sustainable Insect Management

ENR 2367	Communications	3	AU, SP
ENR 3000	Soil Science	3	AU, SP
ENR 5279	Soil Fertility	3	AU

Suggested HCS Elective for Sustainable Insect Management

HCS 2260	Data Analysis	3	SP
HCS 5422	Biology and Management of Weeds and Invasive Plants	3	AU

Suggested PNTPTH Electives for Sustainable Insect Management

PLNTPTH 3001	General Plant Pathology Lecture	3	AU
PLNTPTH 3002	General Plant Pathology Lab	2	AU
PLNTPTH 4597	Societal Issues	3	AU, SP

Other Electives

Electives to fulfill Minor, Dual Degree, or Double Major Requirements.

Sample 4-Year Course Plan for Sustainable Insect Management

First year

Autumn semester		Spring semester	
FAES 1100 (Intro to Food, Ag, EnvSci)	0.5	BIOLOGY 1114 (Bio Sci 2)	4
ENTMLGY 1100 (Exploring Entomology)	0.5	CHEM 1220 (General Chem 2)	5
BIOLOGY 1113 (Bio Sci 1)	4	MATH 1156 (Calculus for BioSci)	5
CHEM 1210 (General Chem 1)	5	ENGLISH 1110.01 (Composition)	3
MATH 1150 (Pre-calculus)	5		
Total	15	Total	17

Second year

Autumn semester		Spring semester	
ENTMLGY 4000 (General Entomology Lecture)	3	ENTMLGY Elective	3
ENTMLGY 4001 (General Entomology Lab)	1		
AEDECON 2001 (Economics)	3	HCS 2260 (Data Analysis)	3
ENR 2367 (Communications) or other 2 nd writing course	3	AGRCOMM 3130 (Oral Expression)	3
RURLSOC 1500 (Rural Sociology)	3	Arts GE course	3
History GE course	3	Other Elective(s)	3
Total	16	Total	15

Third year

Autumn semester		Spring semester	
EEOB 3410 (Ecology)	4	MOLGEN 4500 (Genetics)	3
ENTMLGY Elective	3	ENTMLGY Elective(s)	4
HCS 5422 (Weed Science) or other Elective	3	Literature GE course	3
Other Electives	3	Other Electives	3
Total	16	Total	13

Fourth year

Summer/autumn	Autumn semester		Spring semester	
ENTMLGY 4191 (Internship) 2	ENTMLGY Elective(s) or other elective	4	ENTMLGY 5604 (Capstone)	2
	PLNTPH 3001 (Plant Path. lecture) or elective	3	PLNTPH 4597 (Societal Issues) or Elective	3
	PLNTPH 3002 (Plant Path. lab) or elective	2	Other Elective(s)	7
	Other Elective(s)	6	ENTMLGY Elective	1
Total 2	Total	15	Total	13