

UC DAVIS

ENTOMOLOGY

Prep Subject Matter: 50-55 Units

Biological Sciences:

	<i>Course Title</i>	<i>Prerequisites</i>	<i>Quarter(s) offered</i>	<i>Units</i>
BIS 2A	Introduction to Biology	--	F, W, S, Su	5
BIS 2B	Introduction to Biology	--	F, W, S, Su	5
BIS 2C	Introduction to Biology	BIS 2B with C- or better	F, W, S, Su	5

Chemistry:

CHE 2A	General Chemistry	Chemistry Placement Test	F, W, Su	5
CHE 2B	General Chemistry	CHE 2A/2AH with C- or better	W, S, Su	5

Organic Chemistry:

CHE 8A	Organic Chemistry: Brief Course	CHE 2B/2BH with C- or better	F, S, Su	2
CHE 8B	Organic Chemistry: Brief Course	CHE 8A/118A/128A	F, W, Su	4
or				
CHE 118A	Organic Chemistry for Health and Life Sciences	CHE 2C/2CH with C- or better	F, W, Su	4
CHE 118B	Organic Chemistry for Health and Life Sciences	CHE 118A/128A	W, S, Su	4

Physics:

PHY 1A or 7A	General Physics	MAT 16B/17B/21B can be concurrent	F, W, S, Su	4
PHY 1B or 7B	General Physics	PHY 1A or 9A	F, W, S, Su	4

Mathematics:

MAT 16A or 17A or 21A	Calculus (for Biology and Medicine)	Math Placement Test	F, W, S, Su	4
MAT 16B or 17B or 21B	Calculus (for Biology and Medicine)	MAT 16A/17A/21A with C- or better	F, W, S, Su	4
MAT 16C or 17C or 21C	Calculus (for Biology and Medicine)	MAT 16B/17B with C- or better	F, W, S, Su	4

Statistics (choose one):

STA 13	Elementary Statistics	2 years of high school algebra or Mathematics D	F, W, S, Su	4
STA 32	Gateway to Statistical Data Science	MAT 16B/17B/21B	F,W,S	4
STA 100	Applied Statistics for Biological Sciences	MAT 16B/17B/21B with a C- or better	F, W, S, Su	4
PLS 120	Applied Statistics in Agricultural Sciences	Upper division standing	F, S	4

Depth Subject Matter: 34-43 Units	Course Title	Prerequisites	Quarter(s) offered	Units
Choose one of the following:				
MIC 102	Introduction to Microbiology	BIS 2A, CHE2B	F, W, S, Su	5
MIC 162	General Virology	BIS 101, BIS 102 or 105 recommended	W	4
PLB 148	Introductory Mycology	BIS 2A-C	F	4
PLP 120	Introduction to Plant Pathology	BIS 2C, MIC 102 recommended	F, S	4
Upper Division Biology:				
BIS 101	Genes and Gene Expression	BIS 2A-B, CHE 8A/118A, STA 13/100	F, W, S, Su	4
BIS 102 or ABI 102	Structure and Function of Biomolecules	BIS 2A, CHE 8B/118B	F, W, S, Su	4
BIS 103 or ABI 103	Bioenergetics and Metabolism	BIS 102	F, W, S, Su	3
EVE 100	Introduction to Evolution	BIS 2A-C, MAT 16/17A-B, STA 13/100 recommended	F, W, S, Su	4
Choose one of the following:				
ENT 105	Insect Ecology	BIS 2B (can be concurrent)	F	4
ESP 100	General Ecology	BIS 2A-C, MAT 16/17A-B, STA 13 recommended	F, S, Su	4
EVE 101	Introduction to Ecology	BIS 2A-C, MAT 16/17A-B	F, W, S, Su	4
Core Entomology Courses:				
ENT 100	General Entomology	BIS 2B	F, S	4
ENT 100L	General Entomology Laboratory	ENT 100 (can be concurrent)	F	2
ENT 102	Insect Physiology	ENT 100 or course in physiology or vertebrate zoology	W	4
Choose at least 3 units:				
ENT 103	Insects Systematics	Intro course in zoology or entomology	S	3
ENT 104	Behavioral Ecology of Insects	Introductory biology or zoology	S	3
ENT 107	California Insect Diversity	Introductory course in entomology	S alt yr odd	5
ENT 109	Field Taxonomy and Ecology	Introductory course in entomology	S alt yr even	7
ENT 116	Freshwater Macroinvertebrates	BIS 2B	S	3
NEM 110	Introduction to Nematology	BIS 2B	W	2

Upper Division Units (Minimum 14 units): Entomology (ENT) and Nematology (NEM)

1. _____ 3. _____
 2. _____ 4. _____

Restricted Electives (Minimum 9 upper division units): Upper division electives related to student's interest with approval of advisor.

NOTE: No more than a total of 6 units from ENT 192, 197T, and 199 may count toward fulfilling depth subject matter or restricted elective units.

1. _____ 3. _____
 2. _____ 4. _____

Additional Notes: