



Advising Sheet for Entomology Minor

The Entomology Minor provides students with a broad understanding of the form and function of insects, their interactions with people and society, and their role as model species for fundamental and applied research. It is designed for students with an interest in insects and their relatives, whether from professional or avocational perspectives. In addition to the Biological Sciences, the minor is especially applicable to students with majors in Environmental Science and Policy, Plant Sciences and Landscape Architecture, and Environmental Science and Technology. Students from a wide range of majors may be interested in incorporating entomology with their majors.

The goals of the Entomology minor are to expose students to the broader impacts of insects in nature and society, as well as to prepare students with interest in insects as models for future research and education. The organization of the minor includes: (A) a general course in entomology, (B) an upper level course related to advanced entomology, and (C) courses from at least two specialized fields of science: advanced biology, pollination biology, plant sciences, and environmental sciences.

While the minor program focuses on coursework, research experience is highly valued for potential employers and graduate schools. Labs within the Department of Entomology employ a large number of undergraduates to help with field and laboratory studies, either during summer or academic year. In addition, many labs offer independent research for credit (BSCI 389), or students can start by volunteering in a lab. Finally, our Entomology Honors Program can be completed by combining coursework towards the Entomology minor with independent thesis research (BSCI 389H) in one of the Entomology labs.

Course Requirements

The minor requires a minimum of 15 course credits, with at least 9 credits at the upper level. No more than 2 courses can count towards both the minor and major. Courses from the A, B, and C categories may be selected in any order, subject to prerequisites. Depending on the optional courses, a total of 15-17 credits are required. All courses presented for the minor must be passed with a grade of C- or better.

We require advising when the student has first entered the minor, as well as during the semester before their last semester that they plan to graduate. The first advising meeting will ensure the student understands the requirements of the minor and the restrictions on the number of overlapping credits with their major. The second advising meeting ensures that courses are correctly assigned to their major and minor.

For more information, please contact:

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DEPARTMENT OF ENTOMOLOGY

Advising Sheet for Entomology Minor
Code #CM18

Student Name: _____

Expected Graduation Date: _____

The Entomology Minor requires a minimum of 15 course credits, with at least 9 at the upper level. No more than two courses can count towards both minor and major, Courses from the A, B, and C categories may be selected in any order. (*The course is in progress to be added to the minor.)

A. Required course in general entomology	Credits:	Semester Offered:
BSCI 337 – Biology of Insects	4	Spring

B. One course in advanced entomology	Credits:	Semester Offered:
BSCI 467 – Freshwater Biology	4	Fall
BSCI 480 – Arthropod Form and Function	4	Spring even yrs.
BSCI 481 – Insect Diversity and Classification	4	Fall even yrs.
BSCI 483 – Insects, Pathogens, and Public Health	3	Fall odd yrs.
*BSCI 487 – IPM: Science-Based Decision Making for Sustainable Pest Management	4	Spring even yrs.
BSCI 494 – Animal-Plant Interactions	3	Fall even yrs.
BSCI 497 – Insect Pests of Ornamentals and Turf	4	Fall odd yrs.

C. Choose a total of 2-3 specialized courses from two of the following areas (for BSCI majors, one course must be from III-IV)

I. Advanced Biology	Credits:	Semester Offered:
BSCI 392/393 – Biology of Extinct Animals/Lab	3/1	Spring even
BSCI 361 – Principles of Ecology	4	Fall/Spr
BSCI 363 – The Biology of Conservation and Extinction	3	Fall
BSCI 370 – Principles of Evolution	3	Fall/Spr
BSCI 410 – Molecular Genetics	3	Fall/Spr
BSCI 430 – Developmental Biology	3	Fall/Spr
II. Pollination Biology		
BSCI 126 – Pollinators in Crisis	3	Fall

III. Plant Sciences		
PLSC 205 – Introduction to Turf Science and Management	4	Fall
PLSC 226 – Plant Diversity	4	Spring
PLSC 253 – Woody Plants for Mid-Atlantic Landscapes I	3	Fall
PLSC 254 – Woody Plants for Mid-Atlantic Landscapes II	3	Spring
PLSC 405 – Agroecology	3	Fall
PLSC 407 – Advanced Crop Science	3	Spring
PLSC 420 – Principles of Plant Pathology	4	Fall
PLSC 453 – Weed Science	3	Fall

IV. Environmental Science	Credits:	Semester Offered:
ENST 233 – Introduction to Environmental Health	4	Fall/Spr
ENST 333 – Ecosystem Health and Protection	3	Fall
ENST 334 – Environmental Toxicology	3	Spring
ENST 360 – Ecosystem Ecology	4	Fall
ENST 403 – Invasive Species Ecology	3	Fall
ENST 410 – Ecosystem Services: An Integrated Analysis	3	Spring
ENST 436 – Emerging Environmental Threats	3	Spring
ENST 441 – Sustainable Agriculture	3	Fall even
ENST 445 – Ecological Risk Assessment	3	TBA
ENST 450 – Wetland Ecology	3	Fall

Summary		
Category	Credits:	Course(s)
A. Required course in general entomology	4	
B. One course in advanced entomology	3-4	
C. Specialized courses related to entomology	8-9	
TOTAL	15-18	