# 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 six credits (or two courses) may be applied to satisfy both the requirements of a minor and a major program. 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 recommend 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 | FallSpr |
| 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 | |