

PLANT & SOIL SYSTEMS

URBAN ENTOMOLOGY

Study ways to control anthropod pests and understand how these pests interact with society in urban environments. Learn how to manage these pests as you address the behavior, physiology, ecology, and genetics of urban insects. Students in this major receive a broad education that prepares them for a variety of career paths.

Career Possibilities: entomologist, conservationist, consultant, crop scientist, field representative, forensic entomology, urban pest control, public health, and graduate or professional school.

SEMESTER 1

CRITICAL: ENGL 1001, MATH 1021.

ENGL 1001 English Composition (3)
BIOL 1201 Biology for Science Majors I (3)
CHEM 1201 General Chemistry I (3)
MATH 1021 College Algebra (3)
General Education course - Social Sciences (3)
Approved Elective (3)¹

Total Semester Hours: 18

SEMESTER 2

CRITICAL: CHEM 1201.

BIOL 1202 Biology for Science Majors II (3)
BIOL 1208 Biology Laboratory for Science Majors I (1)
CHEM 1202 General Chemistry (3)
CHEM 1212 General Chemistry Laboratory (2)
EXST 2201 Introduction to Statistical Analysis (4)
General Education course - Humanities (3)

Total Semester Hours: 16

SEMESTER 3

CRITICAL: BIOL 1201; CHEM 1202.

AGRO 2051 Soil Science (4)
AGEC 2003 Introduction to Agricultural Economics (3) or
ECON 2030 Economic Principles (3)
BIOL 1209 Biology Laboratory for Science Majors II (1)
CHEM 2060 Survey of Organic Chemistry (3) or
CHEM 2261 Organic Chemistry (3)
General Education course - Humanities (3)

Total Semester Hours: 14

SEMESTER 4

CRITICAL: AGRO 2051; BIOL 1202.

CMST 2060 Public Speaking (3)
ANSC 2072 Introductory Agricultural Genetics (3) or
BIOL 2153 Principles of Genetics (4)
ENGL 2000 English Composition (3)
BIOL 2051 General Microbiology (4)
Approved Elective (3-2)¹

Total Semester Hours: 16

SEMESTER 5

CRITICAL: CHEM 2060/CHEM 2261.

BIOL 3060 Introductory Plant Physiology (4) or
PLHL 3060 Introductory Plant Physiology (4) or
HORT 2860 Growth and Development of Agricultural Crops (3)
ENTM 2001 Insects in the Environment (3)
ENTM 3002 Pest Management Seminar (1) or
PLHL 3002 Pest Management Seminar (1)
PLHL 4000 General Plant Pathology (4)
Approved Electives (4-3)¹

Total Semester Hours: 15

SEMESTER 6

ENTM 4005 Insect Taxonomy (4)
ENTM 4006 Fundamentals of Applied Entomology (3)
ENTM 4012 Fundamentals of Horticultural Entomology (3)
ENTM 4007 Forensic Entomology (3)
ENTM 3000 Pest Management Internship (3) or
PLHL 3000 Pest Management Internship (3)

Total Semester Hours: 16

SEMESTER 7

ENTM 4100 Insect Behavior (3)
ENTM 4018 Forest Insects and Diseases (4)
AGRO 4070 Weed Science and the Environment (3) or
AGRO 4071 Weed Biology and Ecology (3)
General Education course - Arts (3)

Total Semester Hours: 13

SEMESTER 8

Approved Electives (12)¹
Total Semester Hours: 12

120 TOTAL SEMESTER HOURS

¹ - A list of approved electives is available from the Department of Entomology.