

PLANT & SOIL SYSTEMS

AGRICULTURAL PEST MANAGEMENT

Study the science behind pest control as you learn about crop science, weed control, and the environmental impact of pest and pest management. Enhance your knowledge of insect, weed, and disease pests as you explore pest biology, biological control, and plant resistance. Students in this major receive a broad education that prepares them for a variety of career paths.

Career Possibilities: crop scientist, entomologist, horticulturist, landscape manager, soil scientist, nursery manager, agronomist, forensic entomology, public health, graduate or professional school.

SEMESTER 1

CRITICAL: ENGL 1001, MATH 1021.

ENGL 1001 English Composition (3)
BIOL 1201 Biology for Science Majors I (3)
BIOL 1208 Biology Laboratory for Science Majors I (1)
MATH 1021 College Algebra (3)
General Education course - Social Sciences (3)
CHEM 1201 General Chemistry I (3)

Total Semester Hours: 16

SEMESTER 2

CRITICAL: CHEM 1201.

BIOL 1202 Biology for Science Majors II (3)
BIOL 1209 Biology Laboratory for Science Majors II (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)
ENTM 2001 Insects in the Environment (3)
CHEM 2060 Survey of Organic Chemistry (3) or
CHEM 2261 Organic Chemistry (3)
BIOL 2153 Principles of Genetics (4) or
ANSC 2072 Introductory Agricultural Genetics (3)

Total Semester Hours: 17-16

SEMESTER 4

CRITICAL: AGRO 2051; BIOL 1202.

CMST 2060 Public Speaking (3)
PLHL 3002 Pest Management Seminar (1) or
ENTM 3002 Pest Management Seminar (1)
ENGL 2000 English Composition (3)
Approved Elective (2-0) ²
See Below (6-8) ¹

Total Semester Hours: 15

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)
PLHL 3000 Pest Management Internship (3) or
ENTM 3000 Pest Management Internship (3)
PLHL 4000 General Plant Pathology (4)
BIOL 4041 Plant Taxonomy (4) or
BIOL 4055 Flora of the Central Gulf Coast (4)

Total Semester Hours: 13-14

SEMESTER 6

PLHL 4001 Plant Disease Management and Control (3)
AGRO 4070 Weed Science and the Environment (3)
Approved Electives (6) ²
General Education course - Humanities (3)

Total Semester Hours: 15

SEMESTER 7

AGRO 4052 Soil Fertility and Soil Management (4)
ENTM 4006 Fundamentals of Applied Entomology (3)
Approved Electives (5) ²
General Education course - Arts (3)

Total Semester Hours: 15

SEMESTER 8

AGRO 4071 Weed Biology and Ecology (3)
Approved Electives (10) ²

Total Semester Hours: 13

120 TOTAL SEMESTER HOURS

¹ - Select two from the following: ENTM 4012, ENTM 4018/PLHL 4018, ENTM 3000/PLHL 3000.

² - A list of approved electives is available in the Department of Entomology.