



Horticulture, Plant and Soil Sciences

College of Agriculture and School of Human Environmental Sciences

The Horticulture, Plant and Soil Sciences degree program is designed to provide students with the knowledge and skills needed for a career in the production and management of plants and soils for food, fiber, forage, oil, recreation, landscaping and the enhancement of the human environment.

Areas of Emphasis

Students pursuing a Horticulture, Plant and Soil Sciences degree may choose from the following areas:

- Crops and Livestock
Crops and Soils
Horticulture Enterprise Management
Horticultural Science
Plant Pest Management
Soil and Water Environmental Science
Turfgrass Science

Graduation Requirements

Students must complete a minimum of 128 semester credit hours with at least 45 credit hours from courses at the 300 level or above. A 2.0 grade-point standing (on a 4.0 scale) is necessary and remedial courses may not be counted toward the total hours required for the degree.

Plan of Study

As a horticulture, plant and soil sciences major you are required to develop an acceptable Plan of Study during your sophomore year for your junior and senior years. The plan must be signed by your advisor and returned to the Office of Academic Programs.

If you are an upper division transfer student (from another university or from another UK college or department) then you will submit your plan during the first semester you are enrolled in the program.

Consult your academic advisor in developing your Plan of Study.

College Required Hours

GEN 100 Issues in Agriculture 3

Subtotal: College Required Hours 3

University Studies Requirements

Hours

See "University Studies Program" on pages 83-87 of the 2009-2010 UK Bulletin for the complete University Studies requirements.

The courses listed below are (a) recommended by the college, or (b) required courses that also fulfill University Studies areas. Students should work closely with their advisor to complete the University Studies Program requirements.

Courses marked with an asterisk (*) may also be used to satisfy University Studies requirements.

Math

MA 123 Elementary Calculus and Its Applications 3

Natural Sciences

CHE 105 General College Chemistry I 3

CHE 107 General College Chemistry II 3

CHE 111 Laboratory to Accompany General Chemistry I 1

CHE 113 Laboratory to Accompany General Chemistry II 2

In addition, the student must submit a proposed plan of study for the junior and senior years.

Premajor Requirements

*MA 123 Elementary Calculus and Its Applications 3

*CHE 105 General College Chemistry I 3

*CHE 107 General College Chemistry II 3

*CHE 111 Laboratory to Accompany General Chemistry I 1

*CHE 113 Laboratory to Accompany General Chemistry II 2

Subtotal: Premajor Hours 12

Major Requirements

*AEC 101 The Economics of Food and Agriculture 3

*CLD 102 The Dynamics of Rural Social Life 3

*PLS 104 Plants, Soils, and People: A Global Perspective 3

PLS 210 The Life Processes of Plants 3

PLS 220 Introduction to Plant Identification 3

PLS 366 Fundamentals of Soil Science 4

PLS 386 Plant Production Systems 4

PLS 490 Topics in Plant and Soil Science 3

*Required in Horticulture, Plant and Soil Sciences curriculum and also satisfies University Studies or College of Agriculture requirements.

Subtotal: Major Hours 26

Area of Emphasis (15-31 hours)

In addition to the 31 PLS and GEN credit hours listed above in Major Requirements, students will select an additional 15-31 credit hours from Plant and Soil Science (PLS) or Plant Pathology (PPA) courses. The total credit hours in the major depends upon the student's Area of Interest.

During the sophomore year each student will identify an Area of Emphasis and develop a Plan of Study that details the course work to be taken during the junior and senior years. Examples of Areas of Emphasis include Horticulture Enterprise Management, Crops and Livestock, Crops and Soils, Turfgrass Science, Soil and Water Environmental Science, Horticultural Science, and Plant Pest Management. The Plan of Study must be approved by the undergraduate curriculum committee in the Area of Emphasis.

Subtotal: Area of Emphasis 15-31

Specialty Support Requirements (21-39 hours)

To be selected from courses (other than PLS or PPA) offered by animal science, entomology, veterinary science, natural resource conservation, landscape architecture, agricultural engineering, chemistry, geology, geography, physics, biology, mathematics, statistics, agricultural economics, accounting, management, marketing, and economics. Selection of courses and total credit hours depends upon the student's Area of Emphasis.

Subtotal: Area of Emphasis 21-39

Electives

Elective courses should be selected by the student to lead to the minimum total of 128 hours required for graduation.

Subtotal: Electives minimum of 17

TOTAL HOURS: 128