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. Graduates have the technical and scientific skills as well as the communication, computational, leadership, and interpersonal capabilities necessary to function effectively as professionals. Careers are as diverse as they are challenging. Each Area of Emphasis prepares graduates for specific professional opportunities.

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. In addition to the University Studies and college requirements, students must select an Area of Emphasis with the assistance of an advisor and fulfill the area’s program requirements.

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

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEN 100 Issues in Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>Subtotal: College Required Hours</td>
<td>3</td>
</tr>
</tbody>
</table>

University Studies Requirements

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

Major Requirements

- *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: 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

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

2009-2010 Series