Horticulture, Plant and Soil Sciences provides 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.

### Freshman Year

**FALL SEMESTER**
- ASC 101 - DOMESTIC ANIMAL BIOLOGY - **3**
- UK Core - Comp. & Comm. I - **3**
- GEN 100 - ISSUES IN AGRICULTURE, FOOD AND ENVIRONMENT - **3**
- MA 123 - ELEMENTARY CALCULUS AND ITS APPLICATIONS - **4**
- PLS 104 - PLANTS, SOILS, & PEOPLE: A SCIENCE PERSPECTIVE - **3**

**SPRING SEMESTER**
- ASC 102 - INTRODUCTION TO LIVESTOCK AND POULTRY PRODUCTION - **3**
- UK Core - Comp. & Comm. II - **3**
- CHE 105 - GENERAL COLLEGE CHEMISTRY I - **4**
- CHE 111 - LABORATORY TO ACCOMPANY GENERAL CHEMISTRY I - **1**
- CLD 102 - THE DYNAMICS OF RURAL SOCIAL LIFE - **3**

**TOTAL HOURS: 16**

Total Freshman Hours: **30**

### Sophomore Year

**FALL SEMESTER**
- CHE 107 - GENERAL COLLEGE CHEMISTRY II - **3**
- CHE 113 - LABORATORY TO ACCOMPANY GENERAL CHEMISTRY II - **2**
- PLS 210 - THE LIFE PROCESSES OF PLANTS - **3**
- PLS 220 - INTRODUCTION TO PLANT IDENTIFICATION - **3**
- UK Core - Humanities - **3**

**SPRING SEMESTER**
- CHE 236 - SURVEY OF ORGANIC CHEMISTRY - **3**
- PLS 366 - FUNDAMENTALS OF SOIL SCIENCE - **4**
- STA 210 or STA 296 - **3**
- UK Core - Arts and Creativity - **3**
- UK Core - Global Dynamics - **3**

**TOTAL HOURS: 16**

Total Sophomore Hours: **30**

### Junior Year

**FALL SEMESTER**
- PLS 386 - PLANT PRODUCTION SYSTEMS - **4**
- PLS Course - **3**
- PLS Course - **3**
- ASC Minor Course - **3**
- ASC Minor Course - **3**

**SPRING SEMESTER**
- PLS 404 - INTEGRATED WEED MANAGEMENT - **4**
- PLS Course - **3**
- PLS Course - **3**
- ASC Minor Course - **3**
- Specialty Support - **3**
**TOTAL HOURS: 16**
Total Junior Hours: 32

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**Senior Year**

**FALL SEMESTER**
- PLS 395 or PLS 399 - **3**
- PLS Course - **3**
- Elective - **3**
- Elective - **3**
- Elective - **3**

**TOTAL HOURS: 14**

**SPRING SEMESTER**
- PLS 470G - SOIL NUTRIENT MANAGEMENT - **3**
- PLS 490 - TOPICS IN PLANT AND SOIL SCIENCE - **3**
- PLS 510 - FORAGE MANAGEMENT AND UTILIZATION - **3**
- Elective - **3**
- Elective - **3**

**TOTAL HOURS: 14**

Total Senior Hours: 28

**Total Minimum hours Required for Degree: 120 hours**

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University of Kentucky is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters, and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or online at [www.sacscoc.org](http://www.sacscoc.org) for questions about the accreditation of University of Kentucky.

Current UK students: Please login to [http://myUK.uky.edu](http://myUK.uky.edu) to access your personalized major template and degree audit via the Graduation Planning System (GPS). This major template is the curriculum requirements for completion of the degree program only and is not a personalized audit based on your completed coursework. This major template does not reflect entrance requirements for selective majors. Please consult with the college to learn more about admission to this major.