

UK Research Internship – Summer 2019

Full Time

Summer Internship

University of Kentucky

Focus: Horticulture, Plant Science, Biomechanics, Bio & Ag Engineering

The department of Horticulture is seeking undergraduate students for full-time research positions this summer, 2019. You will join an interdisciplinary team of scientists and engineers who are working towards making a positive impact on the world's food supply.

Project Description:

The project is focused on resolving stalk lodging in corn (snapping of corn stalks before harvest). Stalk lodging is a major agricultural problem resulting in up to 20% yield loss for farmers. The research seeks to understand the complex relationship between plant genetics, environmental conditions, phenotypic expressions and corn stalk biomechanics and their interaction on lodging resistance. You will be tasked with using analytical techniques to collect and organize data in the laboratory and/or in the field.

Responsibilities. *Employees will focus primarily on one of the following areas:*

- Laboratory Research
 - Analyzing biological samples using analytical techniques
 - Collecting and record data on plant tissues (characterizations, strength tests, genetic tests) using lab equipment
 - A variety of other analytic (and occasionally laborious) laboratory tasks
- Field Research
 - Full days at the UK research farms
 - Crop management (Potting, planting, watering, harvesting, etc.)
 - Collect and record data from corn fields

Qualifications:

- UK undergrad pursuing BS degree: horticulture, plant and soil sciences, agricultural and biosystems engineering, mechanical engineering or related field.

Compensation will be consistent with UK's student wage hourly rates. To apply, please email your resume/CV to: joseph.woomer@uky.edu.