

HIGH SCHOOL STUDENTS are invited to spend a week exploring the many facets of the Department of Horticultural Science at NC State University. The HSSI students will live in a campus residence hall, experience campus dining, and participate in workshops designed to engage them to the many career opportunities within horticulture.

Youth will have hands-on opportunities to explore breeding better fruits and vegetables, growing a diverse selection of woody ornamentals, lengthening the life of cut flowers, learning sustainable production and design practices and delving into practical tools that enhance our understanding of plant processes.

Students will visit unique and innovative North Carolina farms, markets, greenhouses and gardens. Youth will also explore college-making decisions and leadership development and enjoy evening entertainment and team-building activities. The camp provides an close-knit forum for students across the state (and country) to gather together and broaden their interest and knowledge about horticulture.



Understanding plant breeding through crossing petunias



"HSSI provided me with an opportunity to solidify my career decision in horticulture and I just found out that I was accepted by NC State as a freshman in horticulture!!" - HSSI camper

CONTACT

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North Carolina Ag Foundation
North Carolina State University
North Carolina Cooperative Extension
Department of Horticultural Science

www.growforit.org

HORTICULTURAL SCIENCE SUMMER INSTITUTE

July 7-19th, 2019



NC STATE
Horticulture
Innovative Education, Research & Extension



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CAMP SCHEDULE

SUNDAY: Horticultural Introductions

Welcome cookout, team building and horticultural keynote

MONDAY: Public Horticulture & Floriculture

JC Raulston Arboretum tour, propagation in the arboretum, plant identification, lunch with JCRA staff & students, cut flower post-harvest lab, visit to local nursery production, campus scavenger hunt

TUESDAY: Veggie Production & Breeding

Visit to community garden, local food farm stand, local food lunch, Vegetable production in NC, tomato grafting, plant breeding lab, botanical illustration

WEDNESDAY: Fruits & Weed Management

Visit to incubator farm, local nursery, lunch with industry leaders, peach and apple production, weed management labs, floral design lab

THURSDAY: Nursery Management &

Landscape Design: Tree climbing, rain gardens, green roofs, landscape design, presentation preparation, celebration

FRIDAY: Horticulture Futures

Making college decisions, student presentations, family & friends local foods luncheon with remarks by university representatives.



Campers explore the propagation greenhouses at Pender Nursery



Campers climb trees in the JC Raulston Arboretum

WHO CAN ATTEND AND HOW MUCH IS IT?

Any high school student with an interest in a career in the horticultural industry is encouraged to apply to the summer institute. The cost for the week is \$600 and includes lodging on campus in the dorms, nearly all the meals, field trips, workshop materials, and entertainment. There may be some scholarships for participants with financial need, or payment plans can be arranged, please contact Liz Driscoll, program coordinator at liz_driscoll@ncsu.edu.

HOW TO APPLY:

Fill out the online application form by April 15th: go.ncsu.edu/hssi

- Complete the application questions and give thoughtful responses as to why you are interested in the experience and what would you like to learn about the horticultural industry
- Applicants will be notified by the end of April and a \$150 deposit is due upon acceptance.



Grafting heirloom tomatoes



Showing off floral design arrangements



Selecting cut flowers for a postharvest lab