

Horticulture (Undergraduate Certificate)

Regardless of your educational background, the online Undergraduate Certificate in Horticultural Science provides comprehensive education from award-winning faculty. Requiring only 15 credit hours of coursework, the program is designed to increase personal knowledge and skills. Deepen your knowledge and pursue a passion for horticulture through an online program designed for working adults.

The undergraduate certificate is a non-degree, individually-tailored program offered through the Department of Horticultural Science at NC State University. Courses are available both online and campus, so students don't need to take time off from work or face long commutes to campus.

Tailor your coursework and education based on your interests. Note: Students with a bachelor's degree in the sciences interested in advancing a career through graduate work will find the Graduate Certificate in Horticultural Science (<https://cals.ncsu.edu/horticultural-science/students/graduate/certificate/>) more appropriate.

Eligibility

Participants must hold a high school diploma or equivalent to enroll in this program. Online Horticulture applicants are enrolled, students must receive a minimum grade of C (2.0) in all courses.

Students may begin taking courses for the certificate in Summer, Fall, or Spring.

Cost

Visit NC State's Undergraduate Online and Distance Education Tuition rates page (<https://studentservices.ncsu.edu/your-money/tuition-and-fees/distance-education/#distance-education-tuition-and-fees-for-fall-2016-spring-2017>) for detailed information about graduate tuition and fees.

The total Online Undergraduate Certificate in Horticultural Science cost estimate (North Carolina residents) for Fall 2018-2019 is \$3,540 for all 15 hours of coursework.

NC State University also offers a monthly payment plan (<https://studentservices.ncsu.edu/your-money/bill/pay-your-bill/enroll-in-a-payment-plan/>) to make paying your education easier.

Advisor

Undergraduate Certificate students are assigned an academic advisor from the department of Horticultural Science. The student and advisor reflect on the student's personal and professional goals to design an individual course of study.

After starting or completing the Online Horticulture Undergraduate Certificate, students may wish to count their earned credits toward a Bachelor of Horticultural Science degree (<https://cals.ncsu.edu/horticultural-science/students/undergraduate/>). To transfer credits from

the Undergraduate Certificate program to the Bachelor's degree, the following conditions must be met:

- The course number must be at the 200 level or higher
- The course must be letter graded
- The student must have earned a C or better in the course

Undergraduate Certificate Program Coordinator

Mr. Issac Lewis (<https://cals.ncsu.edu/horticultural-science/people/ijlewis/>)

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Plan Requirements

Enrollees must complete a total of 15 credit hours. All the course work is available as online as distance education courses. Two foundational horticultural courses are required for the certificate, making up six of the total fifteen credit hours:

Code	Title	Hours
Foundational Courses (required)		
HS 201	The World of Horticulture: Principles and Practices	3
HS 203	Home Plant Propagation	3
Horticultural Science Elective Courses		
Must take at least 6 credits from the following: ¹		9
HS 200	Home Horticulture	
HS 202	Home Plant Identification	
HS 205	Home Food Production	
HS 250	Home Landscape Design: Creating Garden Spaces	
HS 275	Floral Design	
HS 432	Introduction to Permaculture	
HS 451	Plant Nutrition	
HS 462	Postharvest Physiology	
Approved Classes		
May take up to 3 credits from the following:		
PB 213	Plants and Civilization	
PP 315	Principles of Plant Pathology	
PP 318	Forest Pathology	
CS 210	Lawns and Sports Turf	
ENT 425	General Entomology	
SSC 200	Soil Science	
SSC 341	Soil Fertility and Nutrient Management	
Total Hours		15

¹ The student and his or her advisor will select the remaining nine hours of courses that will constitute the student's certificate requirements. Students enrolled in the Certificate program may take all 15 hours from the Department of Horticultural Science. Or, they may choose at least

12 hours from Horticultural Science, with remaining credit hours from approved classes in other departments.

With completion of 15 credit hours and a grade of C (2.0) or better in each course, the student will be award a certificate acknowledging their accomplishments.