Crop Science

The Graduate Program in Crop Science revolves around our vision of being a world leader in Crop Science education and in the generation and application of knowledge required for economically and environmentally sustainable crop systems and products, as well as in developing land management strategies that protect the quality of North Carolina's soil, water and air resources.

Our mission within the Graduate program is to develop future leaders in Crop Science with a focus on improving crop plants and products, devising effective and sustainable crop production systems and effective and sustainable management techniques in both agricultural and urban settings; and dissemination of crop science knowledge for the benefit of users and producers of food, feed, fiber, turfgrass, and specialty crops in North Carolina, the nation, and the world.

Our specific program areas include agroecology and sustainable agriculture, computational science and genomics, crop and forage management, crop product quality, pesticide fate and environmental impact, plant breeding and genetics, plant physiology, precision agriculture, turfgrass management and science, and weed science.

Most of our accepted students are supported by the research funds of an Advisor who has previously committed to support them academically and financially. Funding is limited, and positions are highly competitive. Interested students should communicate directly with graduate faculty members who have research programs consistent with their experience and goals to identify an Advisor.

More Information

Crop Science Program Website (https://cals.ncsu.edu/crop-and-soil-sciences/students/graduate/#crop-science)

Entrance requirements for the Crop Science Graduate Program follow the NC State Graduate School guidelines. A minimum of a 3.0 GPA at the Baccalaureate or master’s level is typically required. Accepted students will have a bachelor’s or master’s degree in crop science, or closely related field, including scientific coursework providing the necessary foundation for successful graduate study in their intended sub-discipline. When relevant, the applicant must have a score on an English proficiency test equal or better than Graduate School requirements. A GRE score is not required. A prospective Advisor with preliminary interest in a student’s application may arrange an interview (in-person or by Zoom) with students who may later be recommended for acceptance into the program.

Applicant Information

• Delivery Method: On-Campus
• Entrance Exam: None
• Interview Required: None

Application Deadlines

• Fall: Jun 25 (US); Mar 1 (Intl)
• Spring: Nov 25 (US); Jul 15 (Intl)
• Summer 1: Mar 25 (US); Dec 15 (Intl)
• Summer 2: May 10 (US); Dec 15 (Intl)

Degrees

• Crop Science (MR) (http://catalog.ncsu.edu/graduate/agriculture-lifeiences/crop-science/crop-science-mr/)
• Crop Science (MS) (http://catalog.ncsu.edu/graduate/agriculture-lifeiences/crop-science/crop-science-ms/)
• Crop Science (PhD) (http://catalog.ncsu.edu/graduate/agriculture-lifeiences/crop-science/crop-science-phd/)
• Crop Science (Minor) (http://catalog.ncsu.edu/graduate/agriculture-lifeiences/crop-science/crop-science-minor/)

Faculty

Professors

Jose Miguel Alonso Bellver
Gina Lynn Brown-Guedira
Kent Oliver Burkey
Ralph E. Dewey
Keith L. Edminsten
Wesley J. Everman
Gina E. Fernandez
Carlos Ariel Iglesias Frascheri
Travis W. Gannon
Ramon Gonzalo Leon Gonzalez
Candace Hope Haigler
Ronnie William Heiniger
James B. Holland
Fikret Isik
David L. Jordan
Vasu Kuraparthi
Ramsey S. Lewis
Christian Maltecca
Rouf M. Mian
Susana Rita Milla-Lewis
Grady L. Miller
Robert P. Patterson
Samuel Christopher Reberg-Horton
Dominic Duane Reisig
Robert Jeryl Richardson
Michelle Shawn Schroeder-Moreno
William F. Thompson

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**Associate Professors**
Ruben Rellan Alvarez
Charles William Cahoon
Danesha Gita Seth Carley
Miguel Sebastian Castillo
Guy David Collins
Jeffrey Colin Dunne
Kevin Garcia
Amy Marie Johnson
Matthew David Krakowsky
Angela Rose Post
Lori June Unruh Snyder
Matthew Christopher Vann
Rachel Atwell Vann
Alexander Lake Woodley

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**Assistant Professors**
Amanda Avila Cardoso
Benjamin David Fallen
Joseph Lee Gage
Adrienne Marie Gorny
Amanda Marie Hulse-Kemp
Anna Michelle Locke
David H. Suchoff
Earl William Taliercio
Qiyu Zhou

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**Adjunct Professor**
Thomas R. Sinclair

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**Practice/Research/Teaching Professors**
Robert E. Austin
Chad Victor Jordan