Biological and Agricultural Engineering

Admission Requirements

A baccalaureate in biological or agricultural engineering or other engineering discipline (GPA > 2.8) is the preferred prerequisite for admission. Those with a strong academic background in the physical or biological sciences may also be admitted with a requirement for undergraduate work in math, physics, chemistry and basic engineering courses. In the case of applicants with Master's degrees, a Master's GPA of at least 3.2 is required for admission to the PhD. Exceptions to the overall undergraduate GPA requirements may be made for cases where performance in the major or during the last two years was at or above the 3.00 level.

Applicants who do not have an engineering background, but have earned a degree in an appropriate science discipline may be admitted to the Systems Analysis Concentration in the MS or PhD program without completing the engineering prerequisites.

GRE scores are required for all applicants. A faculty review committee will admit the best-qualified applicants.

Degrees

- Biological and Agricultural Engineering (MR) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-mr/)
- Biological and Agricultural Engineering (MS) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-ms/)
- Biological and Agricultural Engineering (MS): Systems Analysis Concentration (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-ms-systems-analysis/)
- Biological and Agricultural Engineering (PhD) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-phd/)
- Biological and Agricultural Engineering (PhD): Systems Analysis Concentration (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/biological-agricultural-engineering/biological-agricultural-engineering-phd-systems-analysis/)

Faculty

Full Professors

Michael D. Boyette
Michael R. Burchell II
Jay Jiayang Cheng
Mari S. Chinn
Garey Alton Fox
Scott A. Hale
William F. Hunt III
Lingjuan Wang Li
Gary T. Roberson
Sanjay Bikram Shah
Mohamed A. Youssef
Wenqiao Yuan

Associate Professors

Francois Philippe Birgand
John J. Classen
Barbara A. Doll
Steven George Hall
Praveen Kolar

Assistant Professors

Celso Francisco Castro Bolinaga
Grant H. Ellington
Lucie S. G. Guertault
Daniela Jones
Suzanne McKay Leonard
Chad Ashley Poole
Natalie G. Nelson Sagues
Chadi Sayde
Mahmoud A. N. A. N. Sharara
Jason Kellam Ward
Sierra Young

Practice/Research/Teaching Professors

Otto DeBruhl Simmons III

Emeritus Faculty

George Maynard Chescheir III
Robert O. Evans Jr.
Garry L. Grabow
Rodney L. Huffman
Gregory Donald Jennings
Richard W. Skaggs
Jean Spooner

Larry F. Stikeleather

Daniel H. Willits

---

**Adjunct Professors**

Christopher R Daubert

Ratna Rani Sharma