DEPARTMENT OF BIOLOGICAL AND AGRICULTURAL ENGINEERING

Biological and agricultural engineers apply their knowledge of physical and biological sciences, mathematics, engineering principles and engineering design to the production and processing of food and fiber, to the preservation of environmental quality, to biological systems and processes, and to machine systems that interface with all of these. Because of their broad general engineering background, biological and agricultural engineering graduates are sought by a wide variety of employers including environmental consulting firms, equipment manufacturers, crop storage and handling industries, the cotton and forest products industries, food and feed processing industries, animal production industries, biotechnology companies, electric utility companies, chemical companies, and governmental agencies. Biological and agricultural engineers make significant contributions to meeting many basic needs of society such as maintaining food quality, quantity and safety; improving environmental quality; and enhancing the quantity and quality of our water resources.

The Biological and Agricultural Engineering Department provides quality education, research and outreach in engineering and technology for the world’s agricultural, biological, environmental and food systems. Our undergraduate programs provide a high quality education for engineering and systems management students to fulfill the needs of industries we serve and advance our reputation as a world leader in engineering and systems management education.

Biological and Agricultural Engineering is accredited by the Accreditation Board for Engineering and Technology (ABET). The Fundamentals of Engineering (FE) exam is generally your first step in the process to becoming a professional licensed engineer (PE). Students are able to obtain these licenses upon graduating from an ABET-accredited program.

Faculty

Agarwal, Girish S, Professor
Biological & Agricultural Eng
PHD, University of Rochester, 1969

Calabrese, Salvatore, Assistant Professor
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PHD, Princeton University, 2019

Capareda, Sergio C, Professor
Biological & Agricultural Eng
PHD, Texas A&M University, 1990

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PHD, Michigan State University, 1990

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PHD, University of Waterloo, 1980

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PHD, University of Nebraska, 2003

Hardin, Robert G, Assistant Professor
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PHD, Texas A&M University, 2009

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PHD, University of Nebraska - Lincoln, 2002

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PHD, University of Illinois at Urbana-Champaign, 1990

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PHD, Institute for Biotechnology, Berlin, Germany, 1986

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PHD, University of Kentucky, 1992

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MEN, Texas A&M University, 1997

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PHD, Iowa State University, 1992

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PHD, Purdue University, 2015

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PHD, North Carolina State University, 1992

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PHD, Iowa State University, 1986

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Searcy, Stephen W, Senior Professor
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PHD, Oklahoma State University, 1980

Singh, Vijay P, University Distinguished Professor
Biological & Agricultural Eng
PHD, Colorado State University, 1974
Majors

- Bachelor of Science in Agricultural Systems Management (http://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/agricultural-systems-management-bs/)
- Bachelor of Science in Biological and Agricultural Engineering (http://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/bs/)

Minors