

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.

The Bachelor of Science program in Biological and Agricultural Engineering is accredited by the Engineering Accreditation Commission (EAC) of ABET. The Fundamentals of *Engineering (FE)* exam is generally your first step in the process to becoming a licensed professional engineer (P.E.). Students are eligible to obtain these licenses upon graduating from an EAC of ABET-accredited program.

Faculty

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

Calabrese, Salvatore, Assistant Professor
Biological & Agricultural Eng
PHD, Princeton University, 2019

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

Castell-Perez, M E, Professor
Biological & Agricultural Eng
PHD, Michigan State University, 1990

Fernando, Sandun D, Professor
Biological & Agricultural Eng
PHD, University of Nebraska, 2003

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

Kenimer, Ann L, Professor
Biological & Agricultural Eng
PHD, University of Illinois at Urbana-Champaign, 1990

King, Maria D, Assistant Professor
Biological & Agricultural Eng
PHD, Institute for Biotechnology, Berlin, Germany, 1986

Kingman, Douglas M, Instructional Professor
Biological & Agricultural Eng
PHD, Purdue University, 2002

McGee, Russell O, Instructional Assistant Professor
Biological & Agricultural Eng
MEN, Texas A&M University, 1997

Mohanty, Binayak P, Regents Professor
Biological & Agricultural Eng
PHD, Iowa State University, 1992

Mohtar, Rabi H, Professor
Biological & Agricultural Eng
PHD, Michigan State University, 1994

Moore, Janie M, Assistant Professor
Biological & Agricultural Eng
PHD, Purdue University, 2015

Moreira, Rosana G, Professor
Biological & Agricultural Eng
PHD, Michigan State University, 1989

Nikolov, Zivko L, Professor
Biological & Agricultural Eng
PHD, Iowa State University, 1986

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

Smith, Patricia K, Professor
Biological & Agricultural Eng
PHD, North Carolina State University, 2000

Stark, Gregory L, Associate Professor of the Practice
Biological & Agricultural Eng
MPH, University of Nebraska at Lincoln, 1986

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

- Agricultural Systems Management Minor (<http://catalog.tamu.edu/undergraduate/agriculture-life-sciences/biological-agricultural-engineering/agricultural-systems-management-minor/>)