

Department of Food, Bioprocessing and Nutrition Sciences

The Department of Food, Bioprocessing and Nutrition Sciences offers three undergraduate degree programs:

1. Food Science
2. Bioprocessing Science
3. Nutrition Science

These programs focus on the application and integration of chemistry, biology, biochemistry, biotechnology, and engineering disciplines in the development, production, and delivery of safe and nutritious foods and other products (including drugs) from food and bioprocessing operations, in addition to understanding the role of diet and how it generally affects human health. In support of each program, the department maintains modern, fully-equipped laboratories and a host of nutrition outreach opportunities for teaching and research. All three undergraduate programs are compatible with pre-professional school curricula, such as pre-med or pre-vet, and many students elect to take on a minor in an area that enhances their major coursework. There are also opportunities to double major both within departmental majors as well as external majors such as Biochemistry.

For more information about this department, including contact information, visit the department (<http://fbns.ncsu.edu/>) website.

Faculty

Department Head

K.P. Sandeep

Associate Department Head

Deepti Salvi

Professors

Jonathan Allen, *Director of Graduate Programs for Food Science*

Rodolphe Barrangou, *Todd R. Klaenhammer Distinguished Professor*

Fred Breidt, *USDA-ARS Research Microbiologist*

Lisa Dean, *USDA-ARS Research Food Technologist*

MaryAnne Drake, *William Neal Reynolds Distinguished Professor*

Suzie Goodell, *Director of Interdepartmental Graduate Program in Nutrition*

Gabriel Harris, *Co-Director of Undergraduate Programs for Food Science*

Mary Ann Lila, *David H. Murdock Distinguished Professor*

John D. Sheppard

Clint Stevenson

Research Professor

Josip Simunovic

Associate Professors

Natalie Cooke, *Director of Undergraduate Programs for Nutrition Science*

April Fogleman

Dana Hanson

Slavko Komarnytsky

Dragan Milenkovic

Andrew Neilson

Ilenys Perez-Diaz, *USDA-ARS Research Microbiologist*

Haotian Zheng

Assistant Professors

Alex Chouljenko

Lynette Johnston

Marvin L. Moncada

Ondulla Toomer, *USDA-ARS Research Chemist*

Minliang Yang

Teaching Associate Professor

Nicola Singletary

Teaching Assistant Professor

Fernanda Santos, *Director of Undergraduate Programs for Bioprocessing Science, Co-Director of Undergraduate Programs for Food Science*

Lecturers

Paige Luck

Sebastian Wolfrum

Plans

- Bioprocessing Science (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/bioprocessing-science-bs/>)

- Brewing Science and Technology (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/brewing-science-technology-minor/>)
- Food Safety & Quality Management (Certificate) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-safety-quality-management-certificate/>)
- Food Safety and Quality (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-safety-quality-minor/>)
- Food Science (BS): Business & Technology Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-bs-business-technology-concentration/>)
- Food Science (BS): Science Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-bs-science-concentration/>)
- Food Science (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-minor/>)
- Nutrition (Minor) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/nutrition-minor/>)
- Nutrition Sciences (BS) (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/nutrition-sciences-bs/>)
- Nutrition Sciences (BS): Applied Nutrition Concentration (<http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/nutrition-sciences-bs-applied-nutrition-concentration/>)