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 [website](http://fbns.ncsu.edu/).

Faculty

Department Head
K.P. Sandeep

Director of Undergraduate Programs in Food Science
G. Keith Harris
Fernanda Santos

Director of Undergraduate Program in Bioprocessing Science
Fernanda Santos

Director of Undergraduate Programs in Nutrition Sciences
Natalie K. Cooke

Director of Graduate Programs in Food Science
Jonathan C. Allen

Director of Graduate Programs in Nutrition
S. Goodell

Distinguished University Professor
R. Barrangou

William Neal Reynolds Professors
M.A. Drake

David H. Murdock Distinguished Professor
M.A. Lila

Department Extension Leader
Dana Hanson

Professors
J.C. Allen
R. Barrangou
F. Breidt, USDA
L.O. Dean, USDA
M.A. Drake
S. Goodell
G.K. Harris
M.A. Lila
K.P. Sandeep
J.D. Sheppard

Research Professor
Josip Simunovic
Associate Professors
A.D. Fogleman
D.J. Hanson
S.D. Johanningsmeier, USDA
S. Komarnytsky
Andrew Neilson
I.M Perez-Diaz, USDA
C.D. Stevenson

Assistant Professors
Alex Chouljenko
N.K. Cooke
L. Johnston
M. Moncada
D.A. Salvi
Ondulla Toomer, USDA
Minliang Yang
H. Zheng

Teaching Assistant Professors
Fernanda Santos
Nicola Singletary

Lecturers
Paige Luck
Sebastian Wolfrum

Associate Members of the Faculty
K.E. Anderson, Poultry Science
B. Chapman, Agricultural and Human Sciences
S.A. Hale, Biological and Agricultural Engineering
H.M. Hassan, Molecular and Structural Biochemistry, Microbiology, Toxicology
S.A. Khan, Chemical and Biomolecular Engineering
D.P. Smith, Poultry Science
S. Thakur, College of Veterinary Medicine

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 and Quality (Minor) (http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-safety-quality-minor/)
• Food Science (BS): Science Concentration (http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-bs-science-concentration/)
• Food Science (BS): Technology Concentration (http://catalog.ncsu.edu/undergraduate/agriculture-life-sciences/food-bioprocessing-nutrition-science/food-science-bs-technology-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/)