**Nutrition**

The Interdepartmental Nutrition Program consists of faculty from multiple departments, including: Animal Science; Agricultural and Human Sciences; Biochemistry; Food, Bioprocessing, and Nutrition Sciences; Horticultural Science; Molecular and Structural Biochemistry; and the Prestage Department of Poultry Science. Students reside and conduct research in one of these departments under the direction of an appropriate advisor. Research in the nutrition program may be conducted with a variety of species and at various levels, such as molecular, cell, whole animal, and human communities. Research programs are primarily in the area of nutritional biochemistry, experimental animal nutrition (e.g. horses, ruminants, swine, poultry, rodents, and other species), or community nutrition and public health. Graduates find employment in academia, government, industry, and non-profit organizations, or continue their education in medical and allied health fields.

**Admission Requirement**

To be considered for admission, a student should have a B.S. or M.S degree, preferably in a science-related area. Additionally, applicants must have coursework in biology and organic chemistry to be considered for admission. Students for M.S. or Ph.D. should contact and be recommended by a prospective major faculty advisor in their area of interest prior to final admission. Applicants to the Master of Nutrition should indicate their preferences for: on-campus or Distance Education delivery; an emphasis in animal, poultry, or food science (human) nutrition; core science or Professional Science Masters (PSM); and within the PSM, Feed Science or Human Nutrition. Students will a GPA below at 3.0 need to work with the Director of Graduate Programs to identify ways to demonstrate the ability to be successful in this graduate program. The GRE is not required.

**Master's Degree Requirements**

A minimum of 30 course credit hours, including a thesis is required for M.S., 36 for Master of Nutrition. The Master of Nutrition has options for all course delivery by Distance Education, with emphases in Feed Science or Human Nutrition, and an option for course work that qualifies as a Professional Science Master's degree.

**Doctoral Degree Requirements**

A minimum of 72 credit hours, including a dissertation for Ph.D. Students must complete core courses, including: Energy Metabolism, Protein and Amino Acid Metabolism, Vitamin Metabolism, and Mineral Metabolism.

**Student Financial Support**

Assistantships and fellowships may be available for M.S. and Ph.D. students on a competitive basis from the departments in which the advisor resides. Admission does not guarantee availability of financial support.

**Degrees**

- Nutrition (MR) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-mr/)
- Nutrition (MS) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-ms/)
- Nutrition (PhD) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-phd/)
- Nutrition (Minor) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-minor/)

**Faculty**

**Full Professors**

Jonathan C. Allen  
**Area of Research:** Food, Bioprocessing and Nutrition Science

Kenneth E Anderson  
**Area of Research:** Prestige Poultry Science

Patricia C. Dunn  
**Area of Research:** Agriculture and Human Sciences

Joan Eisemann  
**Area of Research:** Animal Science

Vivek Fellner  
**Area of Research:** Animal Science

Peter R. Ferket  
**Area of Research:** Prestige Poultry Science

Mario Ferruzzi  
**Area of Research:** Food, Bioprocessing and Nutrition Science

Jesse Lee Grimes  
**Area of Research:** Prestige Poultry Science

Sung Woo Kim  
**Area of Research:** Animal Science

Mary Ann Lila  
**Area of Research:** Food, Bioprocessing and Nutrition Science

Christian Maltecca  
**Area of Research:** Animal Science

Jeannette A. Moore  
**Area of Research:** Animal Science

Paul Edward Mozdziak  
**Area of Research:** Prestige Poultry Science

Jack Odle  
**Area of Research:** Animal Science

Edgar Orlando Oviedo-Rondon  
**Area of Research:** Prestige Poultry Science

Shannon Elizabeth Phillips  
**Area of Research:** Animal Science

Matt H. Poore  
**Area of Research:** Animal Science

Muquarrab Qureshi  
**Area of Research:** Food, Bioprocessing and Nutrition Science - USDA

Paul David Siciliano  
**Area of Research:** Animal Science

Eric VanHeugten
Area of Research: Animal Science

Associate Professors

Dara Bloom
Area of Research: Agriculture and Human Sciences

April Fogleman
Area of Research: Food, Bioprocessing and Nutrition Science

Suzie Goodell
Area of Research: Food, Bioprocessing and Nutrition Science

Gabriel Keith Harris
Area of Research: Food, Bioprocessing and Nutrition Science

Lindsey Haynes-Maslow
Area of Research: Agriculture and Human Sciences

Collin Kay
Area of Research: Food, Bioprocessing and Nutrition Science

Slavko Komarnytsky
Area of Research: Food, Bioprocessing and Nutrition Science

Andrew Neilson
Area of Research: Food, Bioprocessing and Nutrition Science

Giuseppe Valachhi
Area of Research: Animal Science

Assistant Professors

Kimberly Ange-VanHeugten
Area of Research: Animal Science

Natalie Cooke
Area of Research: Food, Bioprocessing and Nutrition Science

Basheerah Enahora

Kerim Eroglu
Area of Research: Molecular and Structural Biochemistry

Adam Charles Fahrenholz

Massimo Iorizzo
Area of Research: Horticultural Science

Michael V. Joseph
Area of Research: Animal Science

Arion Kennedy
Area of Research: Molecular and Structural Biochemistry

Ramon Malheiros

Arion Kennedy Midgett
Area of Research: Molecular and Structural Biochemistry

Carrie Pickworth
Area of Research: Animal Science

Emeritus Faculty

Brenda P Alston-Mills
Sarah Liberman Ash
Leonard W. Aurand
Leon Carl Boyd
Leonard S Bull
Edward V. Caruolo
George L. Catignani
Warren J Croom Jr
Jimmy Dale Garlich
Winston Murry Hagler
Raymond W. Harvey
William L Johnson
James R. Jones
James Arthur Knopp
Carolyn Jean Lackey
Jean-Marie Luginbuhl
Jacquelyn W. McClelland
Steven J. Schwartz
Jason C. Shih
Harold E. Swaisgood
Van-Den Truong
Lon Weidner Whitlow

Adjunct professors

Katherine Patterson Maloney
Anneke Moresco
Muquarrab Ahmed Qureshi