Nutrition

The Interdepartmental Nutrition Program consists of faculty from multiple departments, including: Animal Science; Agricultural and Human Sciences; 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 course work 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.

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/)

Faculty

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AHS</td>
<td>Agriculture and Human Sciences</td>
</tr>
<tr>
<td>ANS</td>
<td>Animal Science</td>
</tr>
<tr>
<td>BCH</td>
<td>Molecular and Structural Biochemistry</td>
</tr>
<tr>
<td>FBNS</td>
<td>Food, Bioprocessing and Nutrition Science</td>
</tr>
<tr>
<td>HS</td>
<td>Horticultural Science</td>
</tr>
<tr>
<td>PO</td>
<td>Prestige Poultry Science</td>
</tr>
</tbody>
</table>

Full Professors
Jonathan C. Allen (FBNS)
Kenneth E Anderson (PO)
Patricia C. Dunn (AHS)
Joan Eisemann (ANS)
Vivek Fellner (ANS)
Peter R. Ferket (PO)
Mario Ferruzzi (FBNS)
Jesse Lee Grimes (PO)
Sung Woo Kim (ANS)
Mary Ann Lila (FBNS)
Christian Maltecca (ANS)
Jeannette A. Moore (ANS)
Paul Edward Mozdziak (PO)
Jack Odle (ANS)
Edgar Orlando Oviedo-Rondon (PO)
Shannon Elizabeth Phillips (ANS)
Matt H. Poore (ANS)
Paul David Siciliano (ANS)
Eric VanHeugten (ANS)

Associate Professors
Dara Bloom (AHS)
April Fogleman (FBNS)
Suzie Goodell (FBNS)
Gabriel Keith Harris (FBNS)
Lindsey Haynes-Maslow (AHS)

Degrees
• Nutrition (Minor) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/nutrition/nutrition-minor/)
Collin Kay (FBNS)
Slavko Komarnytsky (FBNS)
Andrew Neilson (FBNS)
Giuseppe Valachhi (ANS)

Assistant Professors
Kimberly Ange-VanHeugten (ANS)
Natalie Cooke (FBNS)
Kerim Eroglu (BCH)
Massimo Iorizzo (HS)
Arion Kennedy (BCH)
Arion Kennedy Midgett (BCH)
Carrie Pickworth (ANS)
Ondulla Toomer (FBNS- USDA)
Nicola Singletary (FBNS)

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
Muquarrab Ahmed Qureshi