# Nutrition (PhD)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 553</td>
<td>Biochemistry of Gene Expression or BCH 571 Regulation of Metabolism</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>NTR 701</td>
<td>Protein and Amino Acid Metabolism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTR 706</td>
<td>Vitamin Metabolism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTR 708</td>
<td>Energy Metabolism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTR 775</td>
<td>Mineral Metabolism</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTR 801</td>
<td>Doctoral Seminar</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Non-NTR 700-level Course</strong></td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>The &quot;Non-NTR 700-level Course&quot; will be determined in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>PhD Core Courses</strong></td>
<td>5</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td>Select at least two courses from &quot;Core Courses&quot; listed below</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NTR 895</td>
<td>Doctoral Dissertation Research</td>
<td>1-9</td>
<td>16</td>
</tr>
<tr>
<td></td>
<td><strong>Elective Courses</strong></td>
<td>39-47</td>
<td>72</td>
</tr>
<tr>
<td></td>
<td>&quot;Elective Courses&quot; that will be applied to reach 72 credit hours will be determined in conjunction with the academic committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>72</td>
<td></td>
</tr>
</tbody>
</table>

## Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Select at least two courses from the following:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 453</td>
<td>Biochemistry of Gene Expression</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BCH 571</td>
<td>Regulation of Metabolism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTR 500</td>
<td>Principles of Metabolism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTR 501</td>
<td>Advanced Nutrition and Metabolism</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTR 510</td>
<td>Maternal and Infant Nutrition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTR 515</td>
<td>Comparative Nutrition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTR 521</td>
<td></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

## 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 Mozdzia

Area of Research: Animal Science
Paul David Siciliano

Area of Research: Animal Science
Muquarrab Quresh

Area of Research: Animal Science
Muquarrab Quresh

Area of Research: Food, Bioprocessing and Nutrition Science - USDA
Paul Edward Mozdzia

Area of Research: Animal Science
Paul David Siciliano

Area of Research: Animal Science
Eric VanHeugten

Area of Research: Animal Science
Eric VanHeugten

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

Assistant Professors
Kimberly Ange-VanHeugten

Area of Research: Animal Science
Natalie Cooke

Area of Research: Food, Bioprocessing and Nutrition Science
Basheerah Enahora

Area of Research: Molecular and Structural Biochemistry
Kerim Eroglu

Area of Research: Horticultural Science
Adam Charles Fahrenholz

Area of Research: Molecular and Structural Biochemistry
Massimo Iorizzo

Area of Research: Molecular and Structural Biochemistry
Michael V. Joseph

Area of Research: Animal Science
Arion Kennedy

Area of Research: Molecular and Structural Biochemistry
Ramon Malheiros

Area of Research: Molecular and Structural Biochemistry
Arion Kennedy Midgett

Area of Research: Animal Science
Carrie Pickworth

Area of Research: Food, Bioprocessing and Nutrition Science - USDA
Virginia Carraway Stage

Area of Research: Food, Bioprocessing and Nutrition Science - USDA
Ondulla Toomer

Area of Research: Food, Bioprocessing and Nutrition Science - USDA
Nicola Singletary

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