

# Nutrition (PhD)

## Degree Requirements

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

## Core Courses

Code	Title	Hours
<b>Select at least two courses from the following:</b>		<b>5</b>
BCH 453/553	Biochemistry of Gene Expression	3
BCH 571	Regulation of Metabolism	3
NTR 500	Principles of Human Nutrition	3
NTR 501	Advanced Nutrition and Metabolism	3
NTR 510	Maternal and Infant Nutrition	3
NTR 515	Comparative Nutrition	3
NTR 525	Feed Manufacturing Technology	3
NTR 550	Applied Ruminant Nutrition	3
NTR 554	Lactation, Milk, and Nutrition	3
NTR 555	Exercise Nutrition	3
NTR 557	Nutraceuticals and Functional Foods	3
NTR 561	Equine Nutrition	3
NTR 565	Advanced Canine and Feline Nutrition	3
NTR 594	Special Topics in Nutrition	1-6
NTR 701	Protein and Amino Acid Metabolism	3
NTR 706	Vitamin Metabolism	3
NTR 708	Energy Metabolism	3
NTR 764	Advances in Gastrointestinal Pathophysiology	3
NTR 775	Mineral Metabolism	3
NTR 790	Advanced Feed Formulation	3
NTR 794	Special Topics in Nutrition	1-6

## Faculty

### Full Professors

Jonathan C. Allen

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

Vivek Fellner

**Area of Research:** Animal Science

Peter R. Ferket

**Area of Research:** Prestige Poultry Science

Suzie Goodell

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

Jesse Lee Grimes

**Area of Research:** Prestige Poultry Science

Gabriel Keith Harris

**Area of Research:** Food, Bioprocessing and Nutrition 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

Andrew Neilson

**Area of Research:** Food, Bioprocessing and Nutrition 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 Quresh

**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

Natalie Cooke

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

Adam Charles Fahrenholz

April Fogleman

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

Lindsey Haynes-Maslow

**Area of Research:** Agriculture and Human Sciences

Massimo Iorizzo

**Area of Research:** Horticultural Science

Slavko Komarnytsky

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

Virginia Carraway Stage

Giuseppe Valachhi

**Area of Research:** Animal Science

---

## Assistant Professors

Kimberly Ange-VanHeugten

**Area of Research:** Animal Science

Basheerah Enahora

Michael V. Joseph

**Area of Research:** Animal Science

Arion Kennedy

**Area of Research:** Molecular and Structural Biochemistry

Ramon Malheiros

Carrie Pickworth

**Area of Research:** Animal Science

Ondulla Toomer

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

Nicola Singletary

**Area of Research:** Food, Bioprocessing and Nutrition 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

Joan Eisemann

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

Muquarrab Ahmed Qureshi

Steven J. Schwartz

Jason C. Shih

Jerry Spears

Harold E. Swaisgood

Lon Weidner Whitlow

---

## Affiliate Professors

Katherine Patterson Maloney

Michael Martin

Anneke Moresco