Nutrition (MS)

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>BCH 451</td>
<td>Principles of Biochemistry</td>
<td>1</td>
<td>7</td>
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<tr>
<td>or NTR 501</td>
<td>Advanced Nutrition and Metabolism</td>
<td></td>
<td></td>
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<tr>
<td>BCH 453/553</td>
<td>Biochemistry of Gene Expression</td>
<td>1</td>
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<tr>
<td>or BCH 571</td>
<td>Regulation of Metabolism</td>
<td></td>
<td></td>
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<tr>
<td>NTR 601</td>
<td>Master's Seminar</td>
<td>1</td>
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</table>

Master of Science Core Courses 8

Select at least eight credits from "Core Courses" listed below

Elective Courses 15

"Elective Courses" that will be applied to reach 30 credit hours will be determined in conjunction with the academic committee

Thesis 1-6

NTR 695  Master's Thesis Research

Total Hours 1 30

1 No more than 6 credit hours can be taken at the 400-level.

Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>Select a minimum of three courses from the following:</td>
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<tr>
<td>BCH 553</td>
<td>Biochemistry of Gene Expression</td>
<td>3</td>
<td>8</td>
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<tr>
<td>BCH 571</td>
<td>Regulation of Metabolism</td>
<td>3</td>
<td></td>
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<tr>
<td>NTR 500</td>
<td>Principles of Human Nutrition</td>
<td>3</td>
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<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>Life Cycle Nutrition</td>
<td>3</td>
<td></td>
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<tr>
<td>NTR 525</td>
<td>Feed Manufacturing Technology</td>
<td>3</td>
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<tr>
<td>NTR 550</td>
<td>Applied Ruminant Nutrition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>NTR 554</td>
<td>Lactation, Milk, and Nutrition</td>
<td>3</td>
<td></td>
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<tr>
<td>NTR 555</td>
<td>Exercise Nutrition</td>
<td>3</td>
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</table>

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 785  Digestion and Metabolism in Ruminants 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

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 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

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**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

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**Assistant Professors**

Kimberly Ange-VanHeugten  
**Area of Research:** Animal Science

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

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

Massimo Iorizzo  
**Area of Research:** Horticultural Science

Michael V. Joseph  
**Area of Research:** Animal Science

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

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

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

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**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