Nutrition (MS)

Degree Requirements

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>NTR 695</td>
<td>Master's Thesis Research</td>
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</table>

Total Hours 1 30

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

Core Courses

Select a minimum of three courses from the following: 8

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BCH 553</td>
<td>Biochemistry of Gene Expression</td>
<td>3</td>
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<tr>
<td>BCH 571</td>
<td>Regulation of Metabolism</td>
<td>3</td>
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<tr>
<td>NTR 500</td>
<td>Principles of Human Nutrition</td>
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<tr>
<td>NTR 501</td>
<td>Advanced Nutrition and Metabolism</td>
<td>3</td>
</tr>
<tr>
<td>NTR 510</td>
<td>Maternal and Infant Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 515</td>
<td>Comparative Nutrition</td>
<td>3</td>
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<td>NTR 521</td>
<td>Life Cycle Nutrition</td>
<td>3</td>
</tr>
<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>
</tr>
<tr>
<td>NTR 554</td>
<td>Lactation, Milk, and Nutrition</td>
<td>3</td>
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<tr>
<td>NTR 555</td>
<td>Exercise Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 557</td>
<td>Nutraceuticals and Functional Foods</td>
<td>3</td>
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<tr>
<td>NTR 561</td>
<td>Equine Nutrition</td>
<td>3</td>
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<tr>
<td>NTR 565</td>
<td>Advanced Canine and Feline Nutrition</td>
<td>3</td>
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<tr>
<td>NTR 594</td>
<td>Special Topics in Nutrition</td>
<td>1-6</td>
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<tr>
<td>NTR 701</td>
<td>Protein and Amino Acid Metabolism</td>
<td>3</td>
</tr>
<tr>
<td>NTR 706</td>
<td>Vitamin Metabolism</td>
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<tr>
<td>NTR 708</td>
<td>Energy Metabolism</td>
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<tr>
<td>NTR 764</td>
<td>Advances in Gastrointestinal Pathophysiology</td>
<td>3</td>
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<tr>
<td>NTR 775</td>
<td>Mineral Metabolism</td>
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<tr>
<td>NTR 785</td>
<td>Digestion and Metabolism in Ruminants</td>
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<tr>
<td>NTR 790</td>
<td>Advanced Feed Formulation</td>
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<tr>
<td>NTR 794</td>
<td>Special Topics in Nutrition</td>
<td>1-6</td>
</tr>
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Faculty

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<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)
Muquarrab Quresh (FBNS-USDA)
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)
Collin Kay (FBNS)
Assistant Professors
Kimberly Ange-VanHeugten (ANS)
Natalie Cooke (FBNS)
Kerim Eroglu (BCH)
Massimo Iorizzo (HS)
Arion Kennedy (BCH)
Carrie Pickworth (ANS)
Ondulla Toomer (FBNS-USDA)

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 Lugubuhl
Jacquelyn W. McClelland
Steven J. Schwartz
Jason C. Shih
Harold E. Swaisgood
Van-Den Truong
Lon Weidner Whitlow