# Nutrition (MR)

## Master's Degree Requirements

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

**Core Courses**

Select a minimum of eight credits from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 553</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 Human Nutrition</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>Life Cycle Nutrition</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Elective Courses**

"Elective Courses" that will be applied to reach 36 credit hours will be determined in conjunction with the academic advisor.

**Total Hours**

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

## Professional Science Master's Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 451</td>
<td>Principles of Biochemistry or NTR 501</td>
<td>6</td>
<td>Required Courses</td>
</tr>
<tr>
<td>BCH 453/553</td>
<td>Biochemistry of Gene Expression or BCH 571</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Core Courses**

Select a minimum of eight credits from "Core Courses" listed below

**Seminar Course**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTR 601</td>
<td>Master's Seminar</td>
<td>1</td>
</tr>
</tbody>
</table>

**Practicum Course**

Select one of the following courses:
### Core Courses

Select a minimum of three courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCH 553</td>
<td>Biochemistry of Gene Expression</td>
<td>3</td>
</tr>
<tr>
<td>BCH 571</td>
<td>Regulation of Metabolism</td>
<td>3</td>
</tr>
<tr>
<td>NTR 500</td>
<td>Principles of Human Nutrition</td>
<td>3</td>
</tr>
<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>
</tr>
<tr>
<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>
</tr>
<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>
</tr>
<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>
</tr>
<tr>
<td>NTR 561</td>
<td>Equine Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 565</td>
<td>Advanced Canine and Feline Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NTR 594</td>
<td>Special Topics in Nutrition</td>
<td>1-6</td>
</tr>
</tbody>
</table>

### Elective Courses

"Elective Courses" that will be applied to reach 36 credit hours will be determined in conjunction with the academic advisor.

### Total Hours

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

### PSM Courses

Select at least three of the following courses: 1-6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 535</td>
<td>Food Safety Management Systems</td>
<td>3</td>
</tr>
<tr>
<td>FS 553</td>
<td>Food Laws and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>COM 521</td>
<td>Communication and Globalization</td>
<td>3</td>
</tr>
<tr>
<td>COM 525</td>
<td>Group/Team Communication</td>
<td>3</td>
</tr>
<tr>
<td>COM 527</td>
<td>Seminar in Organizational Conflict Management</td>
<td>3</td>
</tr>
<tr>
<td>COM 530</td>
<td>Interpersonal Communication in Science and Technology Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 501</td>
<td>Strategic Management Foundations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 590</td>
<td>Special Topics In Business Management</td>
<td>1-6</td>
</tr>
<tr>
<td>MBA 541</td>
<td>Supply Management</td>
<td>3</td>
</tr>
<tr>
<td>MBA 542</td>
<td>Supply Chain Logistics</td>
<td>3</td>
</tr>
<tr>
<td>MBA 543</td>
<td>Planning and Control Systems</td>
<td>3</td>
</tr>
</tbody>
</table>
The “PSM Courses” list is not an exclusive list. Students can take any number of courses that relate to business, communication, or regulatory matters determined in conjunction with the academic committee.

**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

**Associate Professors**

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

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

Suze 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

**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

Arion Kennedy Midgett  
**Area of Research:** Molecular and Structural Biochemistry
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  
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 Lugibuhl  
Jacquelyn W. McClelland  
Steven J. Schwartz  
Jason C. Shih  
Harold E. Swaisgood  
Van-Den Truong  
Lon Weidner Whitlow

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**Adjunct professors**

Katherine Patterson Maloney  
Muquarrab Ahmed Qureshi