# Poultry Science (MS)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 801</td>
<td>Graduate Seminar In Poultry Science</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>PO 885</td>
<td>Doctoral Supervised Teaching</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or ST 512</td>
<td>Statistical Methods For Researchers II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BCH 451</td>
<td>Principles of Biochemistry</td>
<td></td>
<td></td>
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<tr>
<td>or BCH 553</td>
<td>Biochemistry of Gene Expression</td>
<td></td>
<td></td>
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</tbody>
</table>

### Graduate Electives / Research Courses

"Graduate Electives / Research Courses" that will be applied to reach 30 credit hours will be determined in conjunction with the academic committee.

Students are encouraged to choose these courses from the “Graduate Elective Courses” and “Graduate Research Courses” listed below.

Total Hours: 30

### Elective Courses

Students are encouraged to choose from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 504</td>
<td>Avian Anatomy and Physiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PO 506</td>
<td>Physiological Aspects of Poultry Management</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PO 510</td>
<td>Poultry Product Safety: An On-Farm Model</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PO 515</td>
<td>Comparative Nutrition</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PO 524</td>
<td>Comparative Endocrinology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FM 525</td>
<td>Feed Manufacturing Technology</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### Research Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 693</td>
<td>Master's Supervised Research</td>
<td>1-9</td>
<td></td>
</tr>
<tr>
<td>PO 695</td>
<td>Master's Thesis Research</td>
<td>1-9</td>
<td></td>
</tr>
<tr>
<td>PO 699</td>
<td>Master's Thesis Preparation</td>
<td>1-9</td>
<td></td>
</tr>
</tbody>
</table>

## Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelor's/Master’s (ABM) degree program allows exceptional undergraduate students at NC State an opportunity to complete the requirements for both the Bachelor’s and Master’s degrees at an accelerated pace. These undergraduate students may double count up to 12 credits and obtain a non-thesis Master’s degree in the same field within 12 months of completing the Bachelor’s degree, or obtain a thesis-based Master’s degree in the same field within 18 months of completing the Bachelor’s degree.

This degree program also provides an opportunity for the Directors of Graduate Programs (DGPs) at NC State to recruit rising juniors in their major to their graduate programs. However, permission to pursue an ABM degree program does not guarantee admission to the Graduate School. Admission is contingent on meeting eligibility requirements at the time of entering the graduate program.

### Faculty

**Full Professors**

- Kenneth E. Anderson
- Christopher M. Ashwell
- Donna K. Carver
- Frank W. Edens
- Peter R. Ferket
- Jesse Lee Grimes
- Hosni Moustafa Hassan
- Matthew D. Koci
Paul Edward Mozdziak
Edgar Orlando Oviedo-Rondon
James N. Petitte

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**Associate Professors**
Robert Byron Beckstead
Mark T. Knauer

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**Assistant Professors**
Adam Charles Fahrenholz
Michael Vadakekara Joseph
Prafulla Regmi
Mahmoud A. N. A. N. Sharara
Ondulla Tyvette Toomer
Lin Li Walker

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**Emeritus Faculty**
Thomas A. Carter
Vern L. Christensen
Warren J. Croom Jr.
Jimmy Dale Garlich
Winston Murry Hagler
Gerald B. Havenstein
Brian W. Sheldon
Jason C. Shih
Thomas David Siopes
Charles Michael Williams

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**Adjunct Faculty**
Andrea Villanes Arellano
Aaron Shawn Kiess
Rasha Qudsieh
Nelson E. Ward