

Poultry Science (MS)

Degree Requirements

| Code | Title | Hours | Counts towards |
|---|--|-------|----------------|
| Required Courses | | | 10 |
| PO 601 | Seminar | | |
| PO 685 | Master's Supervised Teaching | | |
| ST 511 | Statistical Methods For Researchers I | | |
| or ST 512 | Statistical Methods For Researchers II | | |
| BCH 451 | Principles of Biochemistry | | |
| | or BCH 553 Biochemistry of Gene Expression | | |
| Graduate Electives / Research Courses | | | 20 |
| Select courses from "Elective Courses" and "Research Courses" listed below to reach 30 credit hours determined in conjunction with the academic committee | | | |
| Total Hours | | | 30 |

Elective Courses

| Code | Title | Hours | Counts towards |
|--|---|-------|----------------|
| Students are encouraged to choose from the following courses: | | | |
| PO 504 | Avian Anatomy and Physiology | 4 | |
| PO 506 | Physiological Aspects of Poultry Management | 3 | |
| PO 510 | Poultry Product Safety | 3 | |
| PO 515 | Comparative Nutrition | 3 | |
| PO 524 | Comparative Endocrinology | 3 | |
| FM 525 | Feed Manufacturing Technology | 3 | |
| PO 533 | Poultry Processing and Products | 3 | |
| FM 580 | Feed and Ingredient Quality Assurance | 3 | |

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|---------|-------------------------------------|-----|
| PO 590 | Special Problems in Poultry Science | 1-6 |
| FM 790 | Advanced Feed Formulation | 3 |
| IMM 757 | Comparative Immunology | 3 |

Research Courses

| Code | Title | Hours | Counts towards |
|--------|------------------------------|-------|----------------|
| PO 693 | Master's Supervised Research | 1-9 | |
| PO 695 | Master's Thesis Research | 1-9 | |
| PO 699 | Master's Thesis Preparation | 1-9 | |

Accelerated Bachelor's/Master's Degree Requirements

The Accelerated Bachelors/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

Department Head

Frank Siewerdt

Director of Graduate Programs

Kenneth E. Anderson

Department Research Leader

Matthew D. Koci

Department Extension Leader

Adam C. Fahrenholz

Director of Undergraduate Programs

Lynn Worley-Davis

Full Professors

Kenneth E. Anderson

Frank W. Edens

Peter R. Ferket

Jesse Lee Grimes

Hosni Moustafa Hassan

Aaron S. Keiss

Matthew D. Koci

Paul Edward Mozdziak

Edgar Orlando Oviedo-Rondon

Associate Professors

Lisa Bielke

Elaine Bohórquez

Adam C. Fahrenholz

Assistant Professors

Yan Campbell

Michael Vadakekara Joseph

Ramon D. Malheiros

Samuel Mwangi

Allison Pullin

Lin Walker

Lynn Worley-Davis

Research Scholars

Ishab Poudel

Adjunct Faculty

Tuoying Ao

Andrea Villanes Arellano

Jose Bruno-Barcena

Marissa Cohen

Lawrence Epling

Yewande Fasina

Mary Helen Fosnaught

Tom Frost

Bartosz Kempisty

Zack Lowman

Donald R. McIntyre

Basheer Nusairat

Hilary Pavlidis

Rasha Qudsieh

Muquarrab Qureshi

Hugo Romero-Sanchez

Ondulla Tyvette Toomer

Nelson E. Ward

Emeritus Faculty

Thomas A. Carter

Vern L. Christensen

Patricia A. Curtis

Warren J. Croom Jr.

Jimmy Dale Garlich

Winston Murry Hagler

Gerald B. Havenstein

James N. Petite

Brian W. Sheldon

Jason C. Shih

Thomas David Siopes

Charles Michael Williams

Michael Wineland