

# ***Graduate Certificate Program in Feed Science***

## **Department of Poultry Science College of Agriculture and Life Sciences**

### **Description**

The Graduate Certificate Program in Feed Science is designed to prepare professionals or current degree program students to work in the feed industry. The program will provide an advanced foundation in feed science technology, animal nutrition and feed formulation, and feed industry leadership. All courses will be delivered by distance education methods.

The objectives of this program are for the student to acquire an understanding of the technical aspects of modern feed and pet food manufacturing, feed mill operations and leadership, feed and ingredient quality assurance, food chain safety, feed industry regulations, animal nutrition and feed formulation, feed product marketing and strategic planning, and how to apply technical and academic skills to the challenges of the global feed industry.

### **Requirements**

A minimum of 12 credit hours from the prescribed list of courses and a grade of 'C-' or better in these courses is required to receive credit for the certificate. To receive a Graduate Certificate in Feed Science, a student must have a minimum 3.0 grade point average on all certificate course work. All course work must be registered through NC State University, transfer credit from other universities is not allowed. All work must be completed in four (4) calendar years, beginning from the time the application is approved by the Director of Graduate Programs.

### **Required Courses**

- PO/NTR 515 Advanced Comparative Nutrition (3 cr.)
- FM/NTR 525 Advanced Feed Science and Technology (3 cr.)
- FM 580 Feed and Ingredient Quality Assurance (3 cr.)

### **Optional Courses**

- FM 460 Feed Mill Operations and Leadership (2 cr.)
- NTR/FM 790 Advanced Feed Formulation (3 cr.)
- FM 594 Advanced Feed Mill Practicum (1 cr.)
- FM 601 Feed Science Seminar (1 cr.)

## Admissions to the Graduate Certificate Program in Feed Science

Individuals interested in this certificate program must complete the admissions form and send it to the Director of Graduate Programs:

Dr. John T. Brake  
William Neal Reynolds Distinguished Professor  
of Poultry Science, Physiology, and Nutrition  
Department of Poultry Science  
Campus Box 7608  
North Carolina State University  
Raleigh, NC 27695-7608 USA  
Voice: 919-515-5060  
Fax: 919-515-2625  
[john\\_brake@ncsu.edu](mailto:john_brake@ncsu.edu)

Applicants must have a BS/BA degree or equivalent four year degree in order to apply to the program.

## Graduate Certificate Program in Feed Science Faculty

### Dr. Jim Croom

Professor of Poultry Science, Nutrition, and Physiology  
334 E Scott Hall  
919-515-4033  
[jim\\_croom@ncus.edu](mailto:jim_croom@ncus.edu)

### Dr. Peter Ferket

William Neal Reynolds Distinguished Professor  
of Poultry Science and Nutrition  
234E Scott Hall  
919-515-5409  
[peter\\_ferket@ncsu.edu](mailto:peter_ferket@ncsu.edu)

### Dr. Charles Stark

Assistant Professor of Poultry Science and Nutrition  
Feed Science Program Coordinator  
234C Scott Hall  
919-515-5399  
[charles\\_stark@ncsu.edu](mailto:charles_stark@ncsu.edu)

"Academic success in this certificate program might have a strong bearing on admission to a graduate degree program BUT completion of a certificate program in no way guarantees entry into a graduate degree program, which is a separate application process."