Animal Science

Animal science offers an opportunity for training in a diversity of basic sciences and the integration of such knowledge into the framework of a living system. Students can major in animal science or co-major in animal science and one of the following disciplines: biochemistry, genomics, genetics, microbiology, nutrition, physiology or statistics. Students can also concentrate in management and production areas.

Admission Requirements

Factors considered for admission include: grade point average, scores on the GRE, undergraduate courses, experiences, statement of interest, and letters of recommendation. In addition, a member of the Animal Science Graduate Faculty must be willing to serve as the applicant’s advisor for the M.S. program.

Master of Science

A minimum of 30 credit hours, including 18 hours of graduate level course work in the degree program, is required. Students also complete and defend a thesis based on their research. The minor is optional. If a student selects a minor, the advisory committee must include a member from the minor field.

Master of Animal Science

The non-thesis Master of Animal Science (MR) degree (Option B) requires a minimum of 36 credit hours, 19 credits of core courses and 17 credits of elective courses. Additional information regarding core courses and elective course requirements is on the Animal Science Graduate Program (https://cals.ncsu.edu/animal-science/students/graduate/) website. The MR degree program is also offered through distance education.

Student Financial Support

A limited number of research and teaching assistantships are available through the department and are awarded on a competitive basis. Students are also supported by research grant funds awarded to faculty members. The total support package includes health insurance, tuition, and a stipend. Students applying for assistantships should apply by January 31 for fall admission.

Other Relevant Information

To provide an opportunity for students to develop their teaching skills, graduate students in a program that includes a thesis are required to assist in the departmental teaching program regardless of source of financial support. All graduate students in the Department of Animal Science who are mentored by departmental graduate faculty members are required to teach a minimum of one semester during their M.S. program.

Degrees

- Animal Science (MR) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/animal-science-mr/)
- Animal Science (MS) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/animal-science-ms/)

Faculty

Full Professors

Glen William Almond
Joan Eisemann
Charlotte E. Farin
Vivek Fellner
William Lucas Flowers IV
Fikret Isik
Sung Woo Kim
Duane K. Larick
Hsiao-Ching Liu
Christian Maltecca
Melissa Schuster Merrill
Jeannette A. Moore
Jack Odle
Shannon Elizabeth Phillips
Jorge A. Piedrahita
Matt H. Poore
Miles T. See
Paul David Siciliano
Eric VanHeugten
Elizabeth B. Wilson

Associate Professors

Dana J. Hanson
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Daniel Heath Poole
Korinn Edna Saker
Giuseppe Valacchi

Assistant Professors

Debora A. Esposito
Jonathan Paul Holt
Jicai Jiang
Michael Vadakekara Joseph
Suzanne McKay Leonard  
Casey C. Nestor  
Carrie L. Pickworth  
Xiaoqiu Wang  
Stephanie Hill Ward  

**Practice/Research/Teaching Professors**  
Kimberly Dawn Ange-Van Heugten  
Deidre Danielle Harmon  
James B. Holland  
Francesco Tiezzi Mazzoni Della Stella Ma  
Shweta Trivedi  
Lin Xi  

**Emeritus Faculty**  
Brenda P. Alston-Mills  
Geoffrey A. Benson  
Leonard S. Bull  
Roger G. Crickenberger  
Kenneth L. Esbenshade  
Warren H. Croom, Jr.  
Eugene Eisen  
Winston Murry Hagler  
Raymond W. Harvey  
Brinton Alden Hopkins  
Gerald B. Huntington  
James R. Jones  
Jean-Marie Luginbuhl  
Roger Lee McCraw  
William M. Morrow  
Richard M. Myers  
Robert M. Petters  
Odis Wayne Robison  
Frank D. Sargent  
Jerry Wayne Spears  
Steven Paul Washburn  

Michael David Whitacre  
Lon Weidner Whitlow  
Charles Michael Williams  

**Adjunct Faculty**  
Raymond Dean Boyd  
Max T. Coffey  
Kent A Gray  
Jeffrey Alan Hansen  
Justin W. Holl  
Elizabeth A. Koutsos  
Douglas Wyatt Newcom  
Theo A. van Kempen  
Rasha Qudsieh