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. The MR degree program is also offered through distance education.

Student Financial Support

A limited number of research and teaching assistantships are available for students in the M.S. degree program 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/)
- Animal Science (Minor) (http://catalog.ncsu.edu/graduate/agriculture-life-sciences/animal-science/animal-science-minor/)

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
- Mark T. Knauer
- 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. Esbenhade
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