

# Animal Science

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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

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

Kimberly Dawn Ange-Van Heugten

Deidre Danielle Harmon

James B. Holland

Francesco Tiezzi Mazzoni Della Stella Ma

Shweta Trivedi

Lin Xi

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

Todd Aaron Armstrong

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