The Physiology Graduate Program is an interdisciplinary and interdepartmental program comprising faculty drawn from across the University. An advanced degree in Physiology is highly valued by the scientific community and can lead to careers in research and teaching in academia, industry and government laboratories, public policy and consulting. Research is carried out using a variety of model organisms, laboratory and companion and agriculturally important species.

**Admission Requirements**

Students entering the graduate program in Physiology should have a Bachelor's degree in a related biological or physical science. Undergraduate courses should include Physiology, Biochemistry, Organic Chemistry, Calculus, and Physics. Each application package will be screened by the Admissions Committee. Factors considered for admission include: grade point average (3.0 is required for regular admission), GRE scores, undergraduate courses, letters of recommendation, and the willingness of a member of the Graduate Physiology faculty to serve as the applicant’s advisor.

**Master's Degree Requirements**

All Master's students are required to complete PHY 503, PHY 504, BCH 553, and a one-credit hour course in research ethics. Master of Science Degree: For a Master of Science degree a minimum of 30 semester hours of graduate work in the degree program is required including a minimum of 20 hours of course work at the 500-800 level. On average, the M.S. degree takes two to three years to complete. Master of Physiology Degree: The non-thesis Master's degree (Master of Physiology) requires a total of 36 credits. The median time to degree completion is 1.75 years or less.

**Student Financial Support**

Financial assistance for qualified students in the form of research assistantships, fellowships and traineeships is available through participating departments only and not through the Physiology program for thesis-based students only.

**Other Relevant Information**

Graduate students enrolled as Physiology majors are housed in the department of their major professor and may participate in departmental activities.

**Recommended Courses Normally Included in Programs of Study for the M.S Degree and the Non-Thesis MOP Program**

Other recommended/supporting courses are available through many departments, e.g. Animal Science, Biochemistry, Biomathematics, Biotechnology, Cell Biology, Comparative Biomedical Sciences, Entomology, Genetics, Immunology, Microbiology, Nutrition, Pharmacology, Poultry Science, Psychology, Statistics, and Toxicology, and may be included for consideration in the plan of work.

**Degrees**

- Physiology (MR) ([http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/physiology-mr/](http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/physiology-mr/))
- Physiology (MS) ([http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/physiology-ms/](http://catalog.ncsu.edu/graduate/agriculture-life-sciences/physiology/physiology-ms/))

*No results were found.*

**Faculty**

**Full Professors**

- Glen William Almond
- Kenneth E. Anderson
- Betty L. Black
- Anthony T. Blikslager
- Russell J. Borski
- David C. Dorman
- Frank W. Edens
- Kenneth L. Esbenshade
- Charlotte E. Farin
- William Lucas Flowers IV
- John E. Gadsby
- Troy Ghashghaei
- Jody L. Gookin
- Sung Woo Kim
- Matthew D. Koci
- Hsiao-Ching Liu
- Christian Maltecca
- Kathryn Montgome Meurs
- Paul Edward Mozdziak
- Jack Odle
- Heather Patisaul
- Robert M. Petters
- Shannon Elizabeth Phillips
- Richard M. Roe
- Paul David Siciliano
- Geoffrey W. Smith
- Jeffrey A. Yoder
**Associate Professors**

Luke B. Borst  
Babetta Ann Breuhaus  
Jose Manuel Bruno-Barcena  
John Edward Meitzen  
Marianne Niedzlek-Feaver  
Marcelo Rodriguez-Puebla

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**Practice/Research/Teaching Professors**

Elaine B. Bohorquez  
Hanna Gracz  
Jeong Dae Lee  
Jane L. Lubischer  
Shweta Trivedi

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**Adjunct Faculty**

Bartosz Kempisty

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**Emeritus Faculty**

Talmage T. Brown Jr.  
Warren J. Croom Jr.  
Robert M. Grossfeld  
Harold F. Heatwole  
Thomas E. Levere  
John F. Roberts  
Malcolm C. Roberts  
Thomas David Siopes  
Herbert A. Underwood  
Steven Paul Washburn  
Michael David Whitacre  
Thomas G. Wolcott