ABOUT THE PROGRAM

The graduate program offers Master and Doctoral degrees in three broad areas of biology: Cell, Developmental, and Microbiology, Integrative Physiology & Neuroscience, and Ecology and Evolutionary Biology. The program is comprised of faculty from the Departments of Biological Sciences and Biomedical Sciences (housed in the Heritage College of Osteopathic Medicine). Faculty also participate in graduate training through the interdisciplinary Molecular and Cell Biology (MCB), and Environmental Studies (MSES) Programs. Additionally a non-thesis Master of Science is offered to elementary and secondary school teachers. An interdisciplinary Conservation Biology Program offers a non-degree Certificate to MS and PhD students.

For program admission requirements, visit our Graduate Application Guidelines:
bios.ohio.edu/graduate/graduate-application-guidelines

RESEARCH AREAS

The Integrative Physiology and Neuroscience (IPN) program trains students in neuroscience and physiology, the latter with emphasis in the areas of exercise, comparative, ecological and metabolic physiology as well as skeletal muscle biology.

The Cell, Development, and Microbiology (CDM) program trains students in the areas of biochemistry, genetics, microbiology, cell biology, and development.

The Ecology and Evolutionary Biology (EEB) program trains students in field ecology, animal behavior, systematics, paleontology, comparative anatomy, functional morphology and biomechanics. EEB is part of the interdisciplinary Ohio Center for Ecology & Evolutionary Studies (OCEES).

Graduate Teaching Assistantships are available to qualified students. Research support also is available through the Graduate Student Senate, Office of Research, and the Graduate College.

FACILITIES

Special research facilities available include an electron microscopy facility; a quantitative microscopy and imaging facility with a laser scanning confocal microscope; exercise and metabolic physiology facilities; a fully-equipped genomics facility; a transgenic mouse facility; a fluorescence activated cell sorter; a microCT; biomechanics laboratories for small and large animal research, and fossil prep labs. AAALAC-accredited animal holding facilities are available for terrestrial and aquatic animals. Ohio University’s Ridges Land Lab and nearby Dvysart Woods provide research access to protected terrestrial habitat. The Ohio Musculoskeletal and Neurological Institute (OMNI) provides access to state-of-the-art facilities and instrumentation for clinically-oriented, systems-based research on the musculoskeletal and nervous systems.

ADDITIONAL INFORMATION

To learn more about the graduate program in the Department of Biological Sciences, contact the Graduate Chair:

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Athens, OH 45701-2979

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Ohio University is an affirmative action institution. Insert prepared by the Graduate College, graduate@ohio.edu, October 2011.