



The Master of Science in Exercise Science provides a concentrated program of academic study for students interested in a deeper understanding of theory and applications related to the functioning of the human body during physical activity. The program is supported with well-equipped research facilities, including 3D video capabilities, electromyography and force platforms, as well as equipment for measurement of cardiovascular and cardiopulmonary function, bone mineral density, body composition, functional muscular capacity, blood lactate and more unit discharge. Graduate students in this program are expected to participate in ongoing, faculty-directed research programs.

EXCEPTIONAL LEARNING OPPORTUNITIES

- Work closely with faculty and doctoral students in federally funded research labs on diverse health-related projects.
- A wide range of coursework within the four concentrations allows the graduate student to design a tailored curriculum for their graduate degree.
- Opportunity to develop an independent research project/thesis in collaboration with doctoral students and program faculty.

CORE RESEARCH AREAS

- **Biomechanics** is an interdisciplinary science that objectively interprets movement in living organisms. Emphasis is placed on techniques of measuring kinematic and kinetic characteristics of living organisms and on mathematical methods of analysis, with application in sports and rehabilitation.
- **Exercise Physiology** is a science that studies the effect of physical activity on the systems of the human body, with application in physiological assessment, cardiac rehabilitation and exercise prescription.
- **Motor Control** focuses on the development, acquisition and control of underlying process responsible for movement. Emphasis may be placed on issues of motor behavior, development, learning and/or neuromuscular mechanisms.
- **Sports Medicine** is focused on injury mechanisms, prevention and rehabilitation strategies in athletes for accelerated return to competition, as well as applications of what is learned from competitive athletes toward improving the health of all physically active individuals.

TO APPLY

For more information about graduate admission and to apply online, visit the Graduate College at www.udel.edu/gradoffice. Applicants must have a bachelor's degree.

FUNDING

Our students are supported by departmental teaching assistantships and research assistantships from grant funding. This support allows our students to present annually at national and international meetings and publish in high-impact journals.



ADMISSION DEADLINES

Prior to applying, applicants are required to identify a faculty member with appropriate expertise who will provide funding and serve as an advisor throughout the degree program.

- **Priority Application Deadline: January 15th**
- **Final Application Deadline: March 15th**

CONTACT

For more information about program prerequisites, requirements, and application procedures, please contact:

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Learn more at grad.udel.edu

