KINESIOLOGY (KNES)

Graduate Degree Program
College: Public Health

Abstract
A vital part of the School of Public Health, the Department of Kinesiology offers programs leading to the Master of Arts (thesis and non-thesis options) and Doctor of Philosophy degrees. Research emphases within the three broadly defined areas of exercise physiology, cognitive motor neuroscience, and physical cultural studies are offered. Within each of these cognate areas, students develop specialized programs with faculty guidance and consistent with faculty expertise. Details of faculty research interests and additional information can be found at the department website (https://sph.umd.edu/academics/departments-units/department-kinesiology/).

Financial Assistance
Teaching and research graduate assistantships are offered each academic year. At the present time, over two-thirds of the graduate students are financially supported. Teaching assistants work as discussion leaders and laboratory assistants as well as instructors in physical activity classes. Many research assistants are supported by grants. The department is active in seeking University fellowships for its outstanding applicants.

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Courses:
- KNES (https://umd-curr.courseleaf.com/graduate/courses/knes/)
- SPHL (https://umd-curr.courseleaf.com/graduate/courses/sphl/)

Relationships:
- Bioengineering (BIOE) (https://academiccatalog.umd.edu/graduate/programs/bioengineering-bioe/)
- Neurosciences and Cognitive Science (NACS) (https://academiccatalog.umd.edu/graduate/programs/neurosciences-cognitive-science-nacs/)

ADMISSIONS

General Requirements
- A Bachelor’s degree
- Minimum 3.0 undergraduate GPA
- Statement of Purpose
- Transcript(s)
- TOEFL/IELTS/PTE (international graduate students (https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/))

Program-Specific Requirements
- M.A. applicants: A Kinesiology undergraduate degree is not required; relevance of undergraduate major at the discretion of the proposed faculty advisor
- PhD applicants: Master’s degree in Kinesiology is not required; prior degree relevance will be assessed by the potential faculty advisor
- Three letters of recommendation - letters should be from people knowledgeable about the applicant’s prior academic achievements and potential
- CV/Resume
- Official GRE test scores submission is waived for Fall 2023 admissions. GRE scores won't be reviewed.
- A writing Sample(s) is required. E.g., undergraduate thesis or major paper; master's thesis or major paper; published manuscript (if you submit a published manuscript and you are not the first author, describe your contribution to the publication).
- Description of research/work experience (optional)
- Publications/Presentations (optional)
- Teaching assistantship form (optional - upload under Supplementary Application 1)

Note for applicants with foreign credentials:
- The UMD graduate application requires the upload of unofficial transcripts issued in the original language with a literal English translation. Visit the Graduate School website for additional information (https://gradschool.umd.edu/admissions/international-admissions/)
- Evidence of English Language proficiency is required if the applicant does not hold a degree from a U.S. institution or from one of the English-speaking countries listed on the Graduate School website (https://gradschool.umd.edu/admissions/english-language-proficiency-requirements/)

Students may qualify for admission with a 3.0 GPA (M.A.) or 3.5 GPA (Ph.D.), and a focused letter detailing academic and research goals as well as previous research experiences. In addition, each applicant should submit a minimum of three strong recommendations from people knowledgeable about the applicant’s prior academic achievements and research potential. Appropriate background coursework closely aligned with the intended research specialization is expected. Graduate faculty sponsorship is also necessary for admission; each faculty member has only a limited number of openings and only the most highly qualified applicants are selected. Faculty review of applications does not occur until all required parts of the application are received. This review is done in early January; therefore applicants are encouraged to have all their application materials submitted by January 1 for best consideration for admission and financial support.”

Note: Regardless of academic preparation, a qualified faculty member in the proposed Area of Study (i.e., Cognitive Motor Neuroscience, Exercise Physiology, or Physical Cultural Studies) must be willing to sponsor and mentor the student prior to applying. Applicants should speak with the faculty member with whom they prefer to study. Applicants are encouraged to visit the campus and make appointments to interview with faculty.
For more admissions information or to apply to the program, please visit our Graduate School website (https://gradschool.umd.edu/admissions/application-process/step-step-guide-applying/).

### Application Deadlines

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<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tbody>
<tr>
<td>Domestic Applicants</td>
<td>January 12, 2024</td>
<td>October 13, 2024</td>
</tr>
<tr>
<td>International Applicants</td>
<td>January 12, 2024</td>
<td>September 29, 2023</td>
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</tbody>
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The Fall priority deadline is November 10, 2023.

### RESOURCES AND LINKS

**Program Website:** sph.umd.edu/department/knes/kinesiology-graduate-program (http://sph.umd.edu/department/knes/kinesiology-graduate-program/)


**KNES Faculty:** https://sph.umd.edu/academics/departments-units/department-kinesiology/people-kinesiology (https://sph.umd.edu/academics/departments-units/department-kinesiology/people-kinesiology/)

**Exercise Physiology Lab** The Exercise Physiology group has various laboratories capable of supporting a wide-range of exercise-related studies, including metabolic testing, Bod-Pod body composition, muscular strength and power testing, and various clinical blood-based assays. Moreover, the group collaborates with various nearby facilities for high-quality measurement of body composition, including muscle size, bone density, and visceral adiposity. A 6,000 sq. ft. training facility is fully equipped with aerobic exercise training equipment and 20+ Keiser strength training machines for all major muscle groups. In addition to these general facilities, the group maintains other specialized laboratories. The Functional Genomics Lab studies the role of genetic variation in disease susceptibility and the responses and adaptations of different individuals to various exercise programs. The lab has state of the art equipment for genetic analysis, including extensive computer resources. The Molecular Biology Lab has extensive scientific resources for examining the effects of exercise and inactivity on muscle, adipose, and other cell types utilizing both in vivo and in vitro approaches. Website: www.sph.umd.edu/KNES/ (http://www.sph.umd.edu/KNES/).

**Physical Cultural Studies (PCS)** advances the critically and theoretically-driven analysis of physical culture, in all its myriad forms. These include sport, exercise, health, dance, and movement related practices, which PCS research locates and analyzes within the broader social, political, economic, and technological contexts in which they are situated. More specifically, PCS is dedicated to the contextually based understanding of the corporeal practices, discourses, and subjectivities through which active bodies become organized, represented, and experienced in relation to the operations of social power. PCS thus identifies the role played by physical culture in reproducing, and sometimes challenging, particular

### FACILITIES AND SPECIAL RESOURCES

The Department has three areas of specialization: Cognitive Motor Neuroscience, Exercise Physiology, and Physical Cultural Studies. Laboratories are maintained, which support original investigations in each of the three areas. Laboratories include equipment for measuring metabolic parameters, strength, body composition, postural sway, ground reaction forces, amount of physical activity in daily life, as well as muscle biopsies and movement analysis. The response of the human body to physical activity/exercise can be viewed through ECG, EEG, EMG and systematic behavior observation systems. Each of the three research areas has interfaced computer hardware and software to support data collection and analysis. Collaborations with the School of Medicine at the Baltimore campus and with NIH often result in the availability of other facilities and equipment. All graduate students have access to computers and other forms of technology. Details and pictures of current facilities and equipment are available at our website: www.sph.umd.edu/KNES/ (http://www.sph.umd.edu/KNES/).
class, ethnic, gender, ability, generational, national, racial, and/or sexual norms and differences.