KINESIOLOGY

Graduate Program Head  
Nancy I. Williams

Program Code  
KINES

Campus(es)  
University Park (Ph.D., M.S.)

Degrees Conferred  
Doctor of Philosophy (Ph.D.)
Master of Science (M.S.)
Dual-Title Ph.D. in Kinesiology and Clinical and Translational Sciences

The Graduate Faculty  
View (https://secure.gradsch.psu.edu/gpms/index.cfm?searchType=fac&prog=KINES)

The graduate programs in Kinesiology are research oriented and are designed to meet the specific goals and interests of the student. The primary goal of the overall program is to provide students the opportunity to study in depth one area of specialization and to develop necessary research skills to enhance their professional competence. The master’s program is designed to prepare students for future graduate study, while the doctoral program is directed toward careers in research and in teaching at the advanced undergraduate and graduate levels in colleges and universities. Six areas of study are available at both the master’s and doctoral levels:

1. Athletic training and sports medicine
2. Biomechanics
3. Exercise physiology
4. History and philosophy of sport
5. Motor control
6. Psychology of physical activity

Several well-equipped research facilities are available to support graduate study, including the Biomechanics Laboratory, Motor Behavior Laboratory, and Noll Physiological Research Center.

Admission Requirements

Applicants apply for admission to the program via the Graduate School application for admission (http://gradschool.psu.edu/prospective-students/how-to-apply). Requirements listed here are in addition to Graduate Council policies listed under GCAC-300 Admissions (http://gradschool.psu.edu/graduate-education-policies).

Scores from the Graduate Record Examinations (GRE) are required for admission. The minimum requirements for admission to the master’s program include:

- a 3.00 junior/senior grade-point average (on a 4.00 scale),
- satisfactory recommendations,
- a total of 1000 or higher on the verbal and quantitative sections of the GRE,
- and appropriate background courses in physical, biological, behavioral, and/or social science, depending on the intended area of specialization.

Candidates from majors other than exercise and sport science/physical education are welcome to apply. In addition, doctoral applicants are expected to meet more stringent admission standards, including documented research capabilities (e.g., from an M.S. degree). Experience is highly desirable. Admission is highly competitive and the best-qualified students will be admitted subject to space availability and compatibility of the student with the department’s research mission.

Degree Requirements

Master of Science (M.S.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Requirements. (http://gradschool.psu.edu/graduate-education-policies)

The M.S. program of study in the Department of Kinesiology requires a minimum of 30 credits, including:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>credits from the six Department of Kinesiology areas of graduate study ¹</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>credits of classes offered outside the Department of Kinesiology ¹</td>
<td>6</td>
</tr>
<tr>
<td>KINES 590</td>
<td>Colloquium (two semesters)</td>
<td>2</td>
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<tr>
<td></td>
<td>Electives</td>
<td></td>
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<tr>
<td>10</td>
<td>elective credits</td>
<td></td>
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<tr>
<td></td>
<td>Culminating Experience</td>
<td></td>
</tr>
<tr>
<td>KINES 600</td>
<td>Thesis Research</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Total Credits</td>
<td>30</td>
</tr>
</tbody>
</table>

¹ For all of which the student must receive a quality letter grade.

Each specialization may require additional, specific courses. At least 18 credits in the 500 and 600 series combined must be included in the program. A minimum of 12 credits in course work (400, 500, and 800 series), as contrasted with research, must be completed in the major.

M.S. degree students must complete Scholarship and Research Integrity (SARI) Training (10 hours) and demonstrate proficiency in the English language.

The M.S. degree also requires the formation of a master’s committee, the writing of a satisfactory thesis accepted by the master’s committee, the head of the graduate program, and the Graduate School, and the passing of a thesis defense. The final public oral examination, conducted by the candidate’s committee members, must be scheduled and passed after all other work, including the M.S. thesis, has been completed.

Doctor of Philosophy (Ph.D.)

Requirements listed here are in addition to Graduate Council policies listed under GCAC-600 Research Degree Requirements. (http://gradschool.psu.edu/graduate-education-policies)

A program to meet the individual needs of each student is planned with the adviser in consultation with the doctoral committee members. Regardless of the area of study, the following are required of all Kinesiology doctoral degree candidates:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>Required Courses</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>credits from the six Department of Kinesiology areas of graduate study ¹ ²</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>credits of classes offered outside the Department of Kinesiology ¹</td>
<td>6</td>
</tr>
<tr>
<td>KINES 590</td>
<td>Colloquium (all semesters until after the comprehensive exam has been passed)</td>
<td>Varies</td>
</tr>
</tbody>
</table>

¹ For all of which the student must receive a quality letter grade.
² The doctoral seminar is offered 3 times a year and can be taken in any of the 3 time periods.
Scholarship and Research Integrity (SARI) training (10 hours)

Total Credits 21

1. For all of which the student must receive a quality letter grade.
2. A maximum of six (6) credits only from KINES 596 Independent Studies may count toward the 15 departmental credits required for the degree.

Beyond this minimum of 21 credits, the student’s adviser, and dissertation committee in consultation with the student set the structure and content of the doctoral program.

All doctoral students must pass a qualifying examination, a comprehensive written and oral examination, and a final oral examination (the dissertation defense). To earn the Ph.D. degree, doctoral students must also write a dissertation that is accepted by the dissertation committee, the head of the graduate program, and the Graduate School.

Dual-Titles

Dual-Title Ph.D. in Kinesiology and Clinical and Translational Sciences

Requirements listed here are in addition to requirements listed in GCAC-208 Dual-Title Graduate Degree Programs (http://gradschool.psu.edu/graduate-education-policies/gcac/gcac-200/gcac-208-dual-title-graduate-degree-programs).

Doctoral students with research and educational interests in clinical and translational science may apply for the Dual-Title Ph.D. in Kinesiology and Clinical and Translational Sciences following admission to the Graduate School and Kinesiology and prior to taking the qualifying examination in Kinesiology. An admissions committee comprised of faculty affiliated with the dual-title program will evaluate applicants. Applicants must have a graduate GPA of at least 3.5 in a research area related to human health. Prospective dual-title program students will write a statement of purpose that addresses the ways in which their research and professional goals will be enhanced by an interdisciplinary course of study in clinical and translational sciences.

This dual-title degree program emphasizes interdisciplinary scholarship at the interface of basic sciences, clinical sciences, and human health. Students in the dual-title program are required to have two advisors from separate disciplines: one individual serving as the primary mentor in the Graduate Program in Kinesiology and another individual serving as the secondary mentor in an area covered by the dual-title program who is a member of the Clinical and Translational Sciences faculty.

To qualify for the dual-title degree in Kinesiology and Clinical and Translational Sciences, students must satisfy the Kinesiology Ph.D. degree requirements listed on the Degree Requirements tab. In addition, the Dual-Title Ph.D. Degree in Kinesiology and Clinical and Translational Sciences requires the completion of 18 credits of coursework from an approved list of courses. Students must select three credits in each of the following six areas:

1. Epidemiology
2. Bioinformatics
3. Experimental design and interpretation
4. Statistics
5. Regulatory environment
6. Scientific communication

At least half of the 18 credits must be at the 500 level or above. Up to 12 credits of course work may overlap with required elective courses of the Graduate Program in Kinesiology.

For students in the dual-title program, the qualifying examination will include content from both Kinesiology and Clinical and Translational Sciences, and must be completed within four semesters (summer sessions do not count) of entry into the Kinesiology graduate program. The qualifying examination committee must include at least one member of the Clinical and Translational Sciences Graduate Faculty. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role.

The dissertation committee of a Kinesiology and Clinical and Translational Sciences dual-title Ph.D. student must include at least one member of the CTS Graduate Faculty. Faculty members who hold appointments in both programs’ Graduate Faculty may serve in a combined role. If the chair of the dissertation committee is not also a member of the Graduate Faculty in Clinical and Translational Sciences, the member of the committee representing Clinical and Translational Sciences must be appointed as co-chair. The fields of Kinesiology and CTS will be integrated in the student’s comprehensive exam, and the dissertation committee member representing CTS is responsible for constructing and grading the parts of the comprehensive exam that cover the CTS field of study.

Ph.D. candidates must complete a dissertation on a topic that reflects their original research and education in both Kinesiology and Clinical and Translational Sciences. In order to earn the dual-title Ph.D. degree, the dissertation must be accepted by the dissertation committee, the head of the graduate program, and the Graduate School, and the student must pass a final oral examination (the dissertation defense).

Student Aid

Graduate assistantships available to students in this program and other forms of student aid are described in the Tuition & Funding (http://gradschool.psu.edu/graduate-funding) section of The Graduate School’s website. Students on graduate assistantships must adhere to the course load limits (http://gradschool.psu.edu/graduate-education-policies/gsad/gsad-500/gsad-501-credit-loads-graduate-assistants) set by The Graduate School.

Courses

Graduate courses carry numbers from 500 to 699 and 800 to 899. Advanced undergraduate courses numbered between 400 and 499 may be used to meet some graduate degree requirements when taken by graduate students. Courses below the 400 level may not. A graduate student may register for or audit these courses in order to make up deficiencies or to fill in gaps in previous education but not to meet requirements for an advanced degree.

Kinesiology (KINES) Course List (https://bulletins.psu.edu/university-course-descriptions/graduate/kines)

Learning Outcomes

Master of Science (M.S.)

1. Graduates will be able to demonstrate mastery of core principles and methods in one of the six graduate areas of study in the Department of Kinesiology.
2. Graduates will be able to critically analyze work by others on their field of specialty.
Graduates will be able to carry out an original research project and disseminate their research effectively via publication and/or presentation.

4. Graduates will demonstrate the ability to work in a collegial and ethical manner with other professionals within their own sub-discipline and across other kinesiology sub-disciplines.

Doctor of Philosophy (Ph.D.)

1. Graduates will demonstrate in-depth knowledge of the theories and methods of one of the six graduate areas of study in the Department of Kinesiology.

2. Graduates will be able to critically analyze work by others in their field of specialty.

3. Graduates will be able to identify worthwhile research questions and plan research studies to address these questions.

4. Graduates will be able to carry out multiple original and independent research studies and disseminate their research effectively via publication and/or presentation.

5. Graduates will demonstrate the ability to work in a collegial and ethical manner with other professionals within their own sub-discipline and across other kinesiology sub-disciplines and across disciplines outside of kinesiology.

Contact

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