KINESIOLOGY, PH.D.

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

- **Accelerated**: Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments.
- **Evening/Weekend**: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.
- **Face-to-Face**: Courses typically meet during weekdays on the UW-Madison Campus.
- **Hybrid**: These programs combine face-to-face and online learning formats. Contact the program for more specific information.
- **Online**: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

CURRICULAR REQUIREMENTS

- **Requirements Detail**
  - Minimum Credit Requirement: 51 credits
  - Minimum Residence Credit Requirement: 32 credits
  - Minimum Graduate Coursework Requirement: Half of degree coursework (26 credits out of 51 total credits) must be completed graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university's Course Guide.
  - Overall Graduate GPA Required: 3.00 GPA required.
  - Other Grade Requirements: Course numbered 300 and above with a grade of A, AB, B, or S count toward minimum credit requirement; grades of BC or C count only if equal credits of AB and A offset the lower grades to average B (3.00).

Assessments and Examinations

- Ph.D. students must:
  1. pass all didactic courses in conformity with GPA and grad requirements;
  2. pass preliminary exams (http://grad.wisc.edu/acadpolicy/#preliminaryexaminations) administered by a three member faculty committee; and
  3. successfully propose and defend a dissertation before a five-member committee constituted as above in this chart.

Language Requirements

- No language requirements.

Doctoral Minor/Breadth Requirements

- A doctoral minor is not required due to the broad areas of inquiry within Kinesiology. To ensure the breadth of study requirement is achieved, students are required to complete a minimum of 2 graduate level courses (at least 2 credits each) in Kinesiology, but outside their identified area of specialization/track of study.

REQUIRED COURSES

**Biomechanics Track**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT/F&amp;W ECOL/HORT 572</td>
<td>Statistical Methods for Bioscience II</td>
<td>4</td>
</tr>
<tr>
<td>KINES 900</td>
<td>Seminar in Kinesiology</td>
<td>1</td>
</tr>
<tr>
<td>KINES 951</td>
<td>Seminar-Biomechanics</td>
<td>2</td>
</tr>
<tr>
<td>KINES 990</td>
<td>Research or Thesis</td>
<td>2-12</td>
</tr>
<tr>
<td>KINES 991</td>
<td>Research in Physical Activity-Theory and Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: KINES 991 is required for PhD candidates who did not complete this or an equivalent course as part of their MS program.

**General Field Requirement**

- At least 2 graduate level courses of at least 2 credits each in Kinesiology, at UW-Madison, outside of Biomechanics area

**Electives**

- Chosen in consultation with advisor
- Remaining Credits

**Exercise Physiology Track**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT&amp;PHY 435</td>
<td>Fundamentals of Human Physiology</td>
<td>5</td>
</tr>
<tr>
<td>KINES 773</td>
<td>Cardiorespiratory Adaptions to Environment and Exercise</td>
<td>3</td>
</tr>
</tbody>
</table>

1. These tracks are internal to the program and represent different pathways a student can follow to earn this degree. Track names do not appear in the Graduate School admissions application, and they will not appear on the transcript.
2. All Kinesiology Ph.D.* students in biomechanics are required to register for KINES 900 Seminar in Kinesiology each semester they are enrolled in the program * includes dissertations unless registered, instead, for specialization seminar KINES 951 Seminar-Biomechanics; or unless expressly exempted via advisor request to Graduate Studies Committee.
Exercise Psychology Track

KINES 774 Metabolic Responses to Exercise and Environmental Stress 2
KINES 991 Research in Physical Activity-Theory and Design 3

Note: the above courses are only required if not taken as part of an M.S. program
KINES 900 Seminar in Kinesiology 3 1
KINES 953 Human Biodynamics Seminar 1
KINES 999 Independent Reading 1-4

General Field Requirement
At least 2 graduate-level courses of at least 2 credits each in Kinesiology, at UW-Madison, outside of Exercise Physiology area

Electives (sufficient to meet graduation requirements; chosen in consultation with advisor)

Research
KINES 900 Seminar in Kinesiology minimum of 8

These tracks are internal to the program and represent different pathways a student can follow to earn this degree. Track names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Kinesiology students complete special content. Contact physiology-enroll@lists.wisc.edu for consent to enroll in ANAT&PHY 435. The Department of Neuroscience chair's assistant will then connect you with the ANAT&PHY 435 director for content details, will data-enter your online permission to enroll in ANAT&PHY 435 and reserve your place, and will notify you by email. Please allow at least a week for the permission process to finalize. Department contacts: https://neuro.wisc.edu/contact-us/

All Kinesiology M.S. and Ph.D.* students in exercise physiology are required to register for KINES 900 Seminar in Kinesiology each semester they are enrolled in the program. *Includes dissertators unless registered for specialization seminar KINES 953 Human Biodynamics Seminar or unless expressly exempted via advisor request to Grad Studies Committee.

Motor Control and Behavior Track

Code | Title | Credits
--- | --- | ---
KINES 991 Research in Physical Activity-Theory and Design | 3
KINES 900 Seminar in Kinesiology | 1

General Field Requirement
At least 2 graduate level courses of at least 2 credits each in Kinesiology, at UW-Madison, outside of the Motor Control & Behavior area.

These tracks are internal to the program and represent different pathways a student can follow to earn this degree. Track names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Ph.D. students needn't take KINES 991 Research in Physical Activity-Theory and Design if their M.S. degree included it or an approved equivalent.

All Kinesiology MS and PhD* students in Exercise Psychology are required to register for KINES 900 Seminar in Kinesiology each semester they are enrolled in the program, including dissertations unless registered for the specialization seminar (KINES 951 Seminar-Biomechanics) or unless expressly exempted via advisor request to the Graduate Studies Committee.

Suggested Elective Courses (chosen in consultation with advisor)

KINES 721 Neural Basis for Movement 3
KINES 861 Principles of Motor Control and Learning 3
KINES 951 Seminar-Biomechanics 2
KINES 961 Seminar in Motor Control and Learning 2
KINES 713 Neural Basis of Normal and Pathological Movement 3

These tracks are internal to the program and represent different pathways a student can follow to earn this degree. Track names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

Required for Ph.D. candidates who did not complete this or an equivalent course as part of their M.S. program.

All Kinesiology M.S. and Ph.D. students are required to register for KINES 900 Seminar in Kinesiology each semester they are enrolled in the program. This includes Ph.D. dissertators unless they register for KINES 961 Seminar in Motor Control and Learning or unless they seek and receive express exemption via advisor request to the Grad Studies Committee.

Suggested statistics sequence (or equivalent):
1. ED PSYCH 760 Statistical Methods Applied to Education
2. ED PSYCH 761 Statistical Methods Applied to Education II
Elective courses may be Kinesiology courses not chosen as required courses or may be courses in related fields (e.g., Psychology, Neuroscience).

### Occupational Science Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Required Courses</th>
</tr>
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<tbody>
<tr>
<td>KINES 991</td>
<td>Research in Physical Activity-Design and Proposal</td>
<td>1</td>
</tr>
<tr>
<td>KINES 900</td>
<td>Seminar in Kinesiology</td>
<td>1</td>
</tr>
<tr>
<td>KINES 785</td>
<td>Human Occupation and Health</td>
<td>2-3</td>
</tr>
<tr>
<td>KINES 885</td>
<td>Seminar in Occupation and Health</td>
<td>1</td>
</tr>
</tbody>
</table>

**General Field Requirements**

Two Kinesiology classes of at least 2 credits each outside your focus area (Occupational Science Track specific courses would not qualify for this requirement).

**Electives**

Elective courses are taken in a “concentration area” specific to the area of research. (Examples: ICTR Clinical Trials, Global Health, Prevention Science, Aging, Lifespan Development). Selected in consultation with Faculty Advisor.

**Research**

- KINES 990 Research or Thesis 1-12

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### Physical Activity Epidemiology Track

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<tbody>
<tr>
<td>KINES/</td>
<td>Physical Activity Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>POP HLTH 791</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KINES/</td>
<td>Seminar - Physical Activity Epidemiology</td>
<td>1</td>
</tr>
<tr>
<td>POP HLTH 955</td>
<td></td>
<td></td>
</tr>
<tr>
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<tr>
<td>KINES 900</td>
<td>Seminar in Kinesiology</td>
<td>1</td>
</tr>
</tbody>
</table>

**Electives (chosen from list below or others in consultation with advisor)**

- ANAT/PHY 435 Fundamentals of Human Physiology 5
- KINES 521 Physical Activity and Health 3
- KINES 600 Advanced Exercise Psychology 3
- KINES 614 Biological Factors Influencing Exercise Performance 3
- KINES 700 Psychological Effects of Exercise 3
- KINES 773 Cardiorespiratory Adaptations to Environment and Exercise 3
- KINES 774 Metabolic Responses to Exercise and Environmental Stress 2
- KINES 779 Human Muscle Function in Health and Disease 2
- CHEM 341 Elementary Organic Chemistry 3
- BMOLCHEM 503 Human Biochemistry 3
- STAT/B M I 541 Introduction to Biostatistics 3
- STAT/B M I 642 Statistical Methods for Epidemiology 3
- POP HLTH/ NUTR SCI 621 Introduction to Nutritional Epidemiology 1
- POP HLTH 750 Cancer Epidemiology 3
- POP HLTH/SOC 797 Introduction to Epidemiology 3
- POP HLTH 798 Epidemiologic Methods 3
- POP HLTH 802 Advanced Epidemiology: Etiology and Prevention 3

Students will take advanced course work in various areas as described in the program area synopsis. In accordance with Graduate School policy, a minimum of 30 credits is required for the M.S. degree, and a minimum of 51 credits for the Ph.D. The curriculum is intended to provide the student with a sound basis in the adaptations to physical activity and exercise as well as the statistical and methodological tools needed to evaluate relationships between physical activity and health outcomes at the population level. There are three required courses in addition to the thesis or dissertation requirement, and the remaining credits can be chosen in consultation with the graduate advisor to meet the degree objectives.

**General Field Requirement**

At least 2 graduate level courses of at least 2 credits each in Kinesiology at UW-Madison outside of Physical Activity Epidemiology area.

1 These tracks are internal to the program and represent different pathways a student can follow to earn this degree. Track names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

2 All Kinesiology M.S. and Ph.D. students are required to register for KINES 900 Seminar in Kinesiology each semester they are enrolled in the program. Includes dissertators unless registered for specialization seminar KINES/ POP HLTH 955 Seminar - Physical Activity Epidemiology or unless expressly exempted via advisor request to Grad Studies Committee.