REHABILITATION AND MOVEMENT SCIENCE, DOCTOR OF PHILOSOPHY (PH.D.) WITH A CONCENTRATION IN EXERCISE PHYSIOLOGY [COLLEGE OF HUMANITIES AND SCIENCES]

Program goal
The Ph.D. in Rehabilitation and Movement Science is an interdisciplinary degree program developed through a collaborative partnership of the departments of Kinesiology and Health Sciences, Physical Therapy, and Physical Medicine and Rehabilitation. The mission of this collaborative degree program is to prepare applied scientists capable of approaching multifaceted health care, preventive medicine and rehabilitation initiatives from an integrative perspective and to prepare graduates to assume research, teaching and leadership positions within rehabilitation and movement science professions.

There are two program concentrations: exercise physiology and neuromusculoskeletal dynamics. The exercise physiology concentration prepares individuals to conduct research, direct external funding initiatives and teach in the area of exercise physiology, with particular focus on physical activity's impact on chronic disease states. The neuromusculoskeletal dynamics concentration prepares individuals for research, teaching and clinical initiatives associated with the identification and rehabilitation of movement disorders.

Student learning outcomes
At the completion of the program students will:
1. Demonstrate comprehensive foundational knowledge within his/her area of program specialization
2. Develop testable hypotheses and appropriate study designs to address relevant research questions in his/her area of program specialization
3. Develop the skills and abilities to collect and manage research data while ensuring ethical and responsible conduct of research
4. Develop the ability to analyze research data and subsequently interpret and synthesize results and draw appropriate conclusions
5. Demonstrate teaching effectiveness in the classroom and/or clinical environment
6. Disseminate research findings effectively in oral and/or written formats

Graduation requirements
As graduate students approach the end of their academic programs and the final semester of matriculation, they must make formal application to graduate. No degrees will be conferred until the application to graduate has been finalized.

Graduate students and program directors should refer to the following graduation requirements as published in the Graduate Bulletin for a complete list of instructions and a graduation checklist.

Apply online today. (https://www.vcu.edu/admissions/apply/graduate/)
Admission requirements

<table>
<thead>
<tr>
<th>Degree</th>
<th>Semester(s) of entry</th>
<th>Deadline dates</th>
<th>Test requirements</th>
</tr>
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<tbody>
<tr>
<td>Ph.D.</td>
<td>Fall preferred</td>
<td>Applications received prior to Jan. 9 will be given priority consideration. Applications received following the deadline may be considered if space and resources are available.</td>
<td>GRE</td>
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In addition to the general admission requirements of the VCU Graduate School (http://bulletin.vcu.edu/graduate/study/admission-graduate-study/admission-requirements/), applicants must:

1. Have completed at least one of a master’s degree in a related area, 30 hours of post-baccalaureate work (e.g. course work at 500 level or greater) or a first-professional degree program
2. Provide official GRE score
3. Submit a curriculum vitae or professional resume indicating an applicant’s educational and career experience as well as evidence of research potential

Admission decisions are made only on the basis of a completed application packet.

Applicants being considered for admission must complete an interview with a Ph.D. admissions committee representative and/or research faculty member with whom the student would like to work.

Degree requirements

In addition to general VCU Graduate School graduation requirements (http://bulletin.vcu.edu/academic-regs/grad/graduation-info/), students pursuing the Ph.D. in Rehabilitation and Movement Science must successfully complete:

1. A minimum of 50 credit hours developed in conjunction with their advisers
2. Written and oral comprehensive examinations
3. All other university requirements of qualification for degree candidacy
4. Written dissertation based on a focused line of research
5. Oral defense of the dissertation

Curriculum requirements

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>STAT 543</td>
<td>Statistical Methods I</td>
<td>3</td>
</tr>
<tr>
<td>or BIOS 543</td>
<td>Graduate Research Methods I</td>
<td></td>
</tr>
<tr>
<td>STAT 544</td>
<td>Statistical Methods II</td>
<td>3</td>
</tr>
<tr>
<td>or BIOS 544</td>
<td>Graduate Research Methods II</td>
<td></td>
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Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ALHP 761</td>
<td>Health Related Sciences Research Design</td>
<td>3</td>
</tr>
</tbody>
</table>

The minimum total of graduate credit hours required for this degree is 50.

Contact
Rehabilitation and Movement Science, Doctor of Philosophy (Ph.D.) with a concentration in exercise physiology [College of Humanities and Sciences]

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Program website: sahp.vcu.edu/departments/pt/prospective-students/phd-programs/rehabilitation-and-movement-science (http://sahp.vcu.edu/departments/pt/prospective-students/phd-programs/rehabilitation-and-movement-science/)