Rehabilitation and Participation Science

The Rehabilitation and Participation Science (RAPS) PhD program aims to develop rehabilitation scientists whose research questions are chosen based explicitly on their potential to generate fundamental knowledge that will enhance health, improve quality of life, and reduce illness and disability. Our doctoral model is based on that of mentored research, wherein students devote the majority of their time to research activities beginning in the first semester and become increasingly independent. Students may choose rehabilitation scientists as mentors who will help focus their study in rehabilitation neuroscience, pediatric rehabilitation, outcome science, community health or productive aging.

This program is designed to be completed in four to five years of full-time study. The maximum time allowed for completion is seven years, and there is no provision for part-time study. A tuition stipend and fellowship is provided for up to five years.

Graduates of the RAPS PhD program will be prepared for careers as academic research scientists.

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Faculty

Chair  
Carolyn Baum  
Elias Michael Director and Professor of Occupational Therapy, Neurology, and Social Work  
PhD, Washington University

Associate Professors

Allison King  
Associate Professor of Occupational Therapy, Medicine, Pediatrics, Surgery (Prevention and Medicine) and Education  
MD, University of Missouri  
MPH, Saint Louis University  
PhD, Saint Louis University

Susy Stark  
Associate Professor of Occupational Therapy, Neurology and Social Work  
PhD, University of Missouri-Columbia  
MS, Washington University School of Medicine, Program in Occupational Therapy

Assistant Professors

Erin Foster  
Assistant Professor of Occupational Therapy, Neurology and Psychiatry  
PhD, Washington University, Program in Occupational Therapy

Kerri Morgan  
Assistant Professor of Occupational Therapy and Neurology  
PhD, Washington University School of Medicine, Program in Physical Therapy

Benjamin Philip  
Assistant Professor of Occupational Therapy, Neurology and Surgery (Plastic and Reconstructive Surgery)  
PhD, Brown University

Bobbi Pineda  
Assistant Professor of Occupational Therapy and Pediatrics  
PhD, University of Florida

Alex Wong  
Assistant Professor of Occupational Therapy and Neurology  
PhD, Hong Kong Polytechnic University  
DPhil, University of Illinois at Urbana-Champaign

Degree Requirements

PhD in Rehabilitation and Participation Science

Applicant Background

Students pursue the RAPS PhD degree because of their desire to generate knowledge to improve rehabilitation practices and thus peoples’ lives through participation. Students with a clinical degree at the bachelor’s, master’s or doctoral level are welcome to apply. Prior research experience is strongly encouraged.

Curriculum

Students must complete core courses, electives to enhance their learning, research in their mentor's laboratory, a qualifying exam and a dissertation. Prior graduate courses that explicitly meet the program requirements may be considered (syllabus must be submitted for review and approval of the RAPS PhD chair).
All RAPS PhD students will join faculty in a biweekly seminar where faculty and student research is presented and discussed. Presentations will also be made by Washington University faculty and visiting professors who will be invited to spend time with faculty and students.

**Core Courses**

- Theories, Models and Classifications of Rehabilitation and Participation Science (RAPS, 3 units)
- Biopsychosocial Factors Affecting Performance (RAPS, 3 units)
- Environmental Factors and Participation (RAPS, 3 units)
- Measurement Theory and Development (RAPS, 3 units)
- RAPS Seminar (RAPS, 1 unit)

Additional courses will be required in research design methods and graduate statistics.

**Research Units**

It is expected that all students will be involved in research beginning in their first semester and continuing through completion of the degree. Prior to completion of courses and the qualifying exam, each student is expected to spend at least 15 to 20 hours per week actively engaged in research. After passing the qualifying exam, students are expected to focus full-time on their dissertation and other research projects. It is anticipated that these efforts will lead to refereed publications and the student becoming an independent scientist.