

Ohio University

Division of Exercise Physiology
Master of Science | Clinical Track



M.S. Exercise Physiology Exploration Guide

Dedicated Faculty

Exercise Physiology Graduate Faculty

Paul Chase, PhD, ACSM-CEP, EIM-III, RCEP

Assistant Clinical Professor
740.593.4653
chasep@ohio.edu

Angela Hillman, PhD, EP-C

Assistant Professor
740.593.0153
hillman@ohio.edu

Cheryl Howe, PhD, CEP

Associate Professor
740.593.2888
howec@ohio.edu

Sharon Perry, PhD, CSCS

Associate Professor
740.593.9494
perrys1@ohio.edu

Anssi Saari, PhD, CSCS

Assistant Clinical Professor
740.593.0131
saari@ohio.edu

Jason White, PhD, CSCS

Associate Clinical Professor
740.593.9943
whitej4@ohio.edu

Dhiraj Vattem, PhD

School of Applied Health Sciences and Wellness,
Director
740.593.0133
vattem@ohio.edu

Our Mission

Ohio University is devoted to the intellectual and personal development of its students. As a student in the Master of Science Physiology of Exercise program, you will collaborate with caring and expert faculty and staff who will challenge you to excel in the classroom, clinic and as a professional. This student-focused program will provide you with the educational expertise, professional insight and empowerment to discover your own voice to become a great leader in the field of exercise physiology. Your exposure to clinical experiences, technology and a culminating 600-hour internship will immediately prepare you for certification through the American College of Sports Medicine as a Registered Clinical Exercise Physiologist(RCEP).



Academic Diversity

Diversifying Your Education

The M.S. program uniquely prepares you for the professional workforce in a summer-to-summer 34-hour program (*three semesters on campus, one semester off campus*). The ever-evolving curriculum infused with research and science provides the foundation to comprehend the nature of evidence-based clinical exercise physiology. A culminating internship provides you the forum to solidify your professional direction.



Sample Course Sequence

Summer I

- EXPH 5140 Physiology of Exercise (3)
- EXPH 5150 Physiology of Exercise Lab (2)
- EXPH 6170 Exercise Testing and Prescription (4)
- EXPH 6920 Practicum Experience (1)

Fall I

- EXPH 6080 Research Methods and Statistics (4)
- EXPH 6560 Advanced Physiology of Exercise (3)
- EXPH 6570 Advanced Physiology of Exercise Lab (1)
- EXPH 6180 Clinical Exercise Physiology: A Case Based Approach
- EXPH 5999 Research Seminar (1)
- EXPH 6920 Practicum Experience (1)
- EXPH 6931 Independent Study (1)

Spring I

- EXPH 6520 Advanced Laboratory Techniques (3)
- EXPH 5999 Seminar (1)
- EXPH 6190 Patient-Centered Practice in Clinical Exercise Physiology (2)
- EXPH 6600 Advanced Biomechanics (3)
- NUTR 6600 Nutrition for Sports and Fitness (3)
- EXPH 6920 Practicum Experience (1)
- EXPH 6931 Independent Study (1)

Summer II

- EXPH 6910 Internship

Elective Courses

As this program has evolved, the program of study has become fixed. There may be opportunities to substitute some courses upon approval by the graduate faculty. Graduates of Ohio University may substitute alternative electives to expand your professional preparation

Experiential Learning

Environment Rich with Experiences

Development as a professional is derived from the entirety of your graduate experience. At Ohio University, the lines separating the classroom and the clinic are non-existent. The educational process is continual whether in a local hospital, wellness center or clinical setting.

Practical Experiences

Practicum and classroom experiences are designed to facilitate direct patient care. Practicum experiences include, and are not limited to, the following:

- Clinical Exercise Testing
- Clinical Exercise Prescription
- Cardiovascular and Pulmonary Assessments
- Patient Medical Record Assessment
- Implementation of Clinical Technology
- Patient-Based Case Analysis



Healthcare Integration

Integration within the local healthcare system provides valuable insight into the clinical system as a whole. Planned experiences provide understanding of patient care from start to finish and keep you focused on comprehensive solutions to our emerging healthcare issues. Advanced clinical experiences include, and are not limited to, the following:

- Echocardiography
- Cardiac Catheterization Procedures
- Left Ventricular Assist Device Surgeries
- Cardiac Rhythm Management

Intersecting the Real World

A 600-hour culminating internship places you at the intersection of your education and the workforce, helping you to create a network within your profession and industry. Site locations and experiences are driven by your career goals and aspirations. Previous internship locations include, and are not limited to, the following:

- Cleveland Clinic
- Duke Health Systems
- McConnell Heart Health Center
- Ohio State Wexner Medical Center

Admission Guidelines

Admission Requirements

Prospective students must meet the following requirements for application:

- Bachelor's degree in exercise physiology or related field from an accredited institution
- A background in the following academic topics:
 - Anatomy and Physiology
 - Exercise Physiology
 - Biology
 - Chemistry
 - Physics
 - Nutrition
 - Exercise Testing and Prescription
 - Kinesiology
 - Motor Learning/Development
- A competitive GPA (*> 3.0 on a 4.0 scale*)
- Satisfactory GRE scores (*> 50 percentile*)
- A forward focused statement of purpose
 - Describe career aspirations
 - Describe what role our program would play in your future goals
- Resume or CV
- Three letters of recommendation
 - No less than two from an academic faculty member
- Complete additional Ohio University Graduate College requirements

Application Deadlines

Application should be received in full by **February 15** for consideration of admission, financial aid and graduate funding.

- If the incoming class is not filled, applications will be considered until *the end of the spring term*.
- International students should note additional requirements as outlined by the Ohio University Graduate College

Teaching and Funding Opportunities

Competitive awards are available annually to qualified students. Awards provide partial to full tuition funding along with a living stipend to support the academic year (fall-spring semester) while at Ohio University. Awards provide graduate students the valuable opportunity to teach courses and laboratories in First Aid & CPR, aquatics and undergraduate courses as a graduate teaching assistant.

Relevant Links and Information

Ohio University Graduate College

Learn more about the application process, fees and policies for Ohio University Graduate Programs.

WellWorks and HeartWorks

Learn more about the locations of practicum experiences within the clinical track program.

ACSM Registered Clinical Exercise Physiologist

Learn more about certifications through the American College of Sports Medicine and what they mean for your future career.

More Information

For more information regarding the Master of Science in the Physiology of Exercise Program clinical track program, please contact the graduate coordinator:

Dr. Paul Chase

Division of Exercise Physiology

Ohio University, School of Applied Health Sciences and Wellness

Grover Center E148

chasep@ohio.edu

740.593.4653