

EXERCISE PHYSIOLOGY - M.S.

College of Public Health and Health Sciences
www.kent.edu/publichealth

About This Program

Become a leader in exercise physiology with Kent State's master's degree. Our rigorous program is designed to prepare you for a successful career in academia or research. With access to cutting-edge facilities and expert faculty, you will gain the knowledge and experience needed to make an impact in the field. Read more...

Contact Information

- **Jake Barkley** | jbarkle1@kent.edu
- Connect with an Admissions Counselor

Program Delivery

- **Delivery:**
 - In person
- **Location:**
 - Kent Campus

Examples of Possible Careers and Salaries*

Biological science teachers, postsecondary

- 9.3% much faster than the average
- 64,700 number of jobs
- \$85,600 potential earnings

Medical scientists, except epidemiologists

- 6.1% faster than the average
- 138,300 number of jobs
- \$91,510 potential earnings

Additional careers

- Strength and conditioning coaches

Accreditation

National Strength and Conditioning Association (NSCA) Education Recognition Program

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

Admission Requirements

- Bachelor's degree in exercise science, or equivalent preparation, from an accredited college or university
- Minimum 2.750 undergraduate GPA on a 4.000-point scale
- Official transcript(s)
- Goal statement
- Two letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions to waive)¹ by earning one of the following:
 - Minimum 79 TOEFL iBT score
 - Minimum 6.5 IELTS score
 - Minimum 58 PTE score
 - Minimum 110 DET score

Degree applicants are expected to have substantial preparation in the sciences, usually including coursework in biology, chemistry, physics, mathematics, anatomy, kinesiology and exercise physiology.

¹ International applicants who do not meet the above test scores will not be considered for admission.

Application Deadlines

- **Fall Semester**
 - Rolling admissions
- **Spring Semester**
 - Rolling admissions
- **Summer Term**
 - Rolling admissions

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
ATTR 53018	ETHICAL LEADERSHIP FOR HEALTH CARE	3
EXPH 63050	RESEARCH PROCESS IN ATHLETIC TRAINING AND EXERCISE PHYSIOLOGY	3
EXPH 63051	QUANTITATIVE AND RESEARCH METHODS IN ATHLETIC TRAINING AND EXERCISE PHYSIOLOGY	3
EXPH 63091	RESEARCH SEMINAR	1
EXPH 65081	ENERGY METABOLISM AND BODY COMPOSITION	3
EXPH 65084	CARDIOVASCULAR-RESPIRATORY DYNAMICS DURING EXERCISE	3
Major Electives, choose from the following:		9
BSCI 50020	BIOLOGY OF AGING	
BSCI 50431	NEUROENDOCRINOLOGY	
EXPH 50612	EXERCISE LEADERSHIP FOR THE OLDER ADULT	
EXPH 55065	EXERCISE TESTING	
EXPH 55070	ELECTROCARDIOGRAPHY FOR THE EXERCISE PHYSIOLOGIST	
EXPH 55081	ADVANCED PHYSIOLOGY OF EXERCISE	
EXPH 60610	PHYSIOLOGY OF AGING: IMPLICATIONS FOR HUMAN BEHAVIOR	

EXPH 63098	RESEARCH	
EXPH 65080	PHYSIOLOGICAL BASIS OF EXERCISE AND SPORT	
EXPH 65086	NEUROBIOLOGY OF MOVEMENT AND EXERCISE	
NUTR 63518	ADVANCED SPORTS NUTRITION	
Additional electives chosen in consultation with advisor		
<i>Culminating Requirement</i>		
Choose from the following:		6
EXPH 63098 & EXPH 65192	RESEARCH and INTERNSHIP IN EXERCISE PHYSIOLOGY	
EXPH 63199	THESIS I	
EXPH 65192	INTERNSHIP IN EXERCISE PHYSIOLOGY	
Minimum Total Credit Hours:		31

state licensing boards at Kent State's website for professional licensure disclosure.

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
-	3.000

- Only in rare instances does a student fulfill the educational and research expectations within the minimum credit-hour requirement for this degree. Any deficiencies for a doctoral academic preparation must be corrected very early in the approved academic program.
- Students are required to successfully complete online modules that address the 12 public health competencies required by the Council on Education for Public Health (CEPH). This requirement may be waived if students provide documentation that the competencies were satisfied at a lower academic level.
- No more than one-half of a graduate student's coursework may be taken in 50000-level courses.
- Grades below C are not counted toward completion of requirements for the degree.

Program Learning Outcomes

Graduates of this program will be able to:

1. Describe physiological responses to exercise for a variety of populations and conditions related to human performance.
2. Apply the knowledge, skills and abilities needed to assess, motivate and prescribe exercise or strength and conditioning as appropriate for an exercise physiologist.
3. Utilize statistical methods to analyze and interpret data applicable to the exercise physiology field.

Full Description

The Master of Science degree in Exercise Physiology prepares graduates for a wide variety of career options, including exercise prescription and research, as well as future doctoral study. Representative faculty research includes the areas of body composition, metabolism/nutritional requirements, environment, clinical exercise physiology and the physiology of aging as it is influenced by physical activity and fitness.

Professional Licensure Disclosure

This program is designed to prepare students to sit for applicable licensure or certification in Ohio. If you plan to pursue licensure or certification in a state other than Ohio, please review state educational requirements for licensure or certification and contact information for