

Department of Sport and Exercise Sciences (SES) M.S. in Movement Science: Exercise Physiology

This Master of Science degree will prepare you for career opportunities in sport performance and clinical exercise physiology, emphasizing developing professional practices in clinical and sport performance settings, in addition to exercise physiology research.

What is Exercise Physiology?

The study of the body's response to short-term and long-term physical activity.

Our Graduate Program Provides:

- Advanced coursework as well as extensive opportunities for research, clinical, and sport performance practice.
- Hands-on experience through site observations, practica, and Internships.
- Direct access to the 2100 square foot Human Performance Laboratory and its state-of-the-art equipment, including; Metabolic Gas and Pulmonary Function Analyzers, BodPod, DEXA, Underwater Weighing Tank, Cycle Ergometers.

Career Opportunities:

- Health and Fitness Specialist
- Strength and Conditioning Specialist
- Cardiopulmonary Rehabilitation Specialist
- Exercise Physiologist
- Clinical Exercise Physiologist
- Fitness Director
- Sports Medicine Professional
- Researcher

Program Courses and Structure (36 credits):

SES Movement Science Core (15)

- Biomechanics
- Qualitative Analysis
- Research Methodology in SES
- Ethics and Social Issues in Sport
- Thesis OR Internship

Exercise Physiology Core (15)

- Advanced Exercise Physiology
- Lab Techniques in Exercise Physiology
- Fitness and Wellness Promotion
- Exercise and Energy Metabolism
- Advanced Practicum

Choose between internship or thesis plans of study with a focus on clinical exercise physiology or physiology of sport performance.

Internship Track (6)

Choice of two of the following electives:

- Sport Psychology
- Clinical Exercise Physiology
- Fitness Assessment and Program Development
- Advanced Studies in Clinical Exercise Physiology
- Motor Learning and Control
- Applied Physiology of Strength and Conditioning

OR

Thesis Track (6)

- Advanced Statistics For Sport and Exercise Sciences

Choice of one of the following electives:

- Sport Psychology
- Clinical Exercise Physiology
- Fitness Assessment and Program Development
- Advanced Studies in Clinical Exercise Physiology
- Applied Physiology of Strength and Conditioning
- Motor Learning and Control

ADMISSION REQUIREMENTS

Barry University recognizes that many factors determine a person's potential. Consequently, the review committee adopts a comprehensive application review by taking into consideration all aspects which support the candidacy.

1. **Application:** Applicants can begin the admission process by submitting an application online through the "MyBarry" network. This network assists applications with the graduate admission process www.barry.edu/mybarry
2. **Undergraduate Courses** in Human Anatomy, Human Physiology, Exercise Physiology, Kinesiology/Biomechanics.
3. **Official Transcripts:** Transcripts must be submitted from all post-secondary institutions attended.
4. **Official GRE Scores:** The Graduate Record Examination (GRE) is required. Test scores must be sent directly from ETS to Barry University. *The GRE may be waived if an applicant holds a Master-level (or higher) degree from a regionally accredited university or a Bachelor's degree from Barry University with a GPA of 3.0 or higher.
5. **Statement of Purpose:** A one-page essay explaining the fit between the applicant's goals and the program at Barry University. The Statement of Purpose can be submitted as part of the online application.
6. **Two Letters of Recommendation by Professionals:** One preferably from an employer.

All documents **must** be sent to:

Office of Graduate Admissions
Barry University
11300 NE 2nd Avenue
Miami Shores, FL. 33161-6695 USA

Or via email: gradadmissions@barry.edu

Tuition and Fees:

- Application fee: \$30.00(waived for Barry alumni)
- Cost per graduate credit varies by academic year. 2016-2017 academic year graduate tuition is \$990 per academic credit.

- Upon acceptance to the graduate program, a \$250 enrollment deposit will be required and applied towards the program tuition.

International Student Additional Requirements:

1. **International Transcripts:** International coursework from an educational system other than the United States must be evaluated by a foreign credentials evaluation agency that is a member of NACES. The evaluation must be "course-by-course with GPA" and should be sent directly from the agency to the Office of Graduate Admissions.

For more information, please refer to:

www.barry.edu/future-students/graduate/admissions/grad-requirements.html

2. **Proof of English Proficiency:** The TOEFL may be waived for applicants with:
 - A minimum of 24 college-level academic credits earned from an accredited, higher education institution in which English was the basis of instruction and interaction OR;
 - Demonstration of intermediate proficiency in English and completion of level 112 of the ELS Intensive English Course.

TOEFL Requirements:

- Paper-based: 550
- Internet-based (iBT): 79

3. **Financial Verification Form:** International students must complete a financial verification form mandated by the USCIS for issuance of the I-20.
4. **Bank Letter:** Addressed to Barry University stating that the applicant or sponsor has the funds available to pay the total cost associated with attending Barry University for one year. A sample can be found at the [Graduate Documents website](#).

For more information about the MS in Exercise Physiology contact us by email: SportsSciences@barry.edu or call + 305.899.3494.