

Barry University is a Catholic higher education institution, founded in 1940 by the Adrian Dominican Sisters. Grounded in a liberal arts tradition, Barry University is a scholarly community committed to the highest academic standards in undergraduate, graduate, and professional education.

Today's University community is comprised of approximately 8700 students, served by over 2100 administrators, faculty members, and support staff representing diverse religious, cultural, and ethnic backgrounds. Barry is co-educational and fully accredited.

## Department of Sport and Exercise Sciences (SES)

### M.S. in Movement Science: Injury & Sport Biomechanics-Biomechanics Track

This Master of Science degree will prepare you for a career as a movement analyst in orthopedics, coaching, teaching, sports medicine, or research.

#### What is Biomechanics?

Biomechanics incorporates the study of function and structure of the human body, using methods of mechanics, combining kinesiology, anatomy, physics, and mathematics.

#### Our Graduate Biomechanics Program Provides:

- A hands-on approach, allowing you to work with subjects to enhance human performance and prevent injuries in daily living, sport, and the workplace.
- Practica in some of the nation's best facilities, including the Biomotion Foundation; Florida Chiropractic & Sports Rehab Center; Pritikin Longevity Center, and the Project to Cure Paralysis at the University of Miami.
- Direct access to the Motion Analysis Center (MAC) Lab and all laboratory equipment, including high speed cameras force measurement devices (Force plates), Electromyography, and Techscan FMat and FScan.

#### Career Opportunities:

- Gait Lab Analyst
- Orthopedics
- Coaching
- Sports Medicine
- Clinical Education
- Clinical Research

#### Program Courses and Structure (36 credits):

##### SES Movement Science Core (15)

- Biomechanics
- Research Methodology in SES
- Ethics and Social Issues in Sport
- Thesis

##### Injury and Sport Biomechanics Core (9)

- Biomechanics of Musculoskeletal Injury
- Biomechanics Instrumentation
- Motor Control and Learning

##### Biomechanics Track (12)

- Qualitative Analysis in Biomechanics
- Advanced Statistics in SES
- Mechanical Analysis of Human Motion
- Advanced Practicum III

## 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](http://www.barry.edu/mybarry)
2. **Undergraduate Courses** in Human Anatomy, Kinesiology, and Physics.
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 3.0 GPA 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 2<sup>nd</sup> Avenue  
Miami Shores, FL. 33161-6695 USA**

Or via email: [gradadmissions@barry.edu](mailto: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](http://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 Injury and Sport Biomechanics-Biomechanics Track contact us by email: [SportsSciences@barry.edu](mailto:SportsSciences@barry.edu) or call + 305.899.3494.