

# M.S. IN ATHLETIC TRAINING

<https://kin.edu.miami.edu/graduate/masters/at-msat/index.html>

## Overview

This is a 60-credit program for people interested in Athletic Training.

To create future leaders in the field of athletic training by providing an innovative, diverse, and comprehensive student-centered education.

The Athletic Training program at the University of Miami is a graduate professional program accredited by the Commission on Accreditation of Athletic Training Education (CAATE). The program is designed to provide a structured classroom and clinical experience to prepare students to become eligible to sit for the Board of Certification exam.

Athletic Trainers (ATs) are health care professionals who render service or treatment, under the direction of or in collaboration with a physician. As a part of the health care team, services provided by ATs include injury and illness prevention, wellness promotion and education, emergent care, examination, and clinical diagnosis, therapeutic intervention, and rehabilitation of injuries and medical conditions.

Please see the Athletic Training website or the Athletic Training Guidelines Manual for the course sequence requirements and other important information regarding the requirements for completion of the Athletic Training degree.

## Application Requirements

Admission to all graduate-degree concentrations in the School of Education and Human Development is based on the recommendation of the faculty. Admissions decisions are based on faculty review of the following general requirements that apply to **all** Graduate Programs in the School as well as specific documents listed under each concentration.

### Applicants must:

- International applicants whose native language is not English or applicants whose degrees are from a non-U.S. University must pass the Test of English as a Foreign Language (TOEFL) or International English Language Testing Systems (IELTS);
- provide official transcripts showing completion of a bachelor's degree from an accredited institution and an acceptable undergraduate grade point average. A minimum of 3.0 undergraduate GPA is required. Official transcripts from every institution attended by an applicant, whether or not the applicant completed a degree program at the institution, are required;
- provide three letters of recommendation (one of which must be written by an Athletic Trainer) for international applicants a physiotherapist or other healthcare provider may be accepted.
- provide a personal statement
- resume;
- take part in an admissions interview ( may be required); and
- exhibit personal and professional experiences and characteristics that are relevant to the profession and/or field and/or degree program for which the application is being submitted.

## Master of Science in Athletic Training (M.S.A.T.)

*In addition to* the factors listed as general requirements for all applications to the SEHD's graduate programs, consideration for admission to the M.S.A.T. program will include the following:

- B.A. or B.S. in exercise science/kinesiology or a related field,
- A minimum 3.0 cumulative GPA
- A minimum of 100 observation experience hours (volunteer hours or work hours) with an Athletic Trainer is required\*\*
- At least one of the recommendation letters above must be written by an Athletic Trainer\*\*
- An interview may be required. Applicants will be notified as appropriate; and
- Applicants must complete or be enrolled in the prerequisite coursework listed below prior to acceptance and/or enrollment (Please contact the Program Director for course equivalency information)

### Required prerequisite coursework for admissions

At the undergraduate or graduate level

- Anatomy & Physiology (Separate or combined a minimum of 6 credits)
- Biology (minimum of 3 credits)
- Chemistry (minimum of 3 credits)

- Introduction to Physics
- Psychology: Intro to Psychology or Sports Psychology (preferred)

In addition to the above courses, CPR Certification is required (AHA BLS for Healthcare Providers or equivalent as indicated by the Board of Certification's ECC list). Students must have proof of current certification before the start of classes and maintain certification throughout the program.

\*\*Depending on country of origin, substitutions for observation hours and letter of recommendations with a healthcare practitioner may be made at the Program Director's discretion

### Recommended foundational coursework for admissions

The following courses are suggested foundational areas of knowledge that are included in the curriculum of the MSAT program. However, introductory courses in the areas below may provide the student with extra preparation for the rigorous graduate coursework of the MSAT program. Therefore, these courses are suggested but not required for admissions or for completion of the degree program:

- Nutrition: Introduction to Nutrition or Sports Nutrition
- Exercise Physiology
- Kinesiology and/or Biomechanics
- Care & Prevention of Athletic Injuries, Intro to Athletic Training, or Equivalent
- Introduction to Statistics

### Transfer of courses

Transfer of graduate credits previously earned from other accredited healthcare degree-granting programs is determined on a case-by-case basis. The Program Director and the appropriate course instructor(s) will review the transfer course syllabus to ensure the content match those of the program's course and that all competencies can be identified. Credits can be transferred ONLY if they are less than six years old, were taken from a graduate degree program, and taken in an accredited institution. In addition, students must have earned a grade of B or better in the course.

### International Applications

All international applications must provide additional information and meet additional requirements as required by the UM Graduate School and the Office of International Student and Scholar Services. For an appropriate link to these requirements, please visit the Graduate School website.

### Admission Decision

Once an applicant has been admitted to graduate study, that individual should meet with the faculty advisor who was appointed to serve in that capacity and whose name appears in the admissions letter. This advisor will help the student enroll in courses that are appropriate to the program; to develop and to refine a Course Sequence Plan that must be on file in the Office of Graduate Studies by the end of the first semester of enrollment.

### Honor Code/Handbook of Policies and Procedures

The School of Education and Human Development follows the Graduate School's Honor Code. All students are required to review the Graduate Student Honor Code and the School of Education and Human Development's Handbook of Policies and Procedures for Graduate Students and submit the signed Acknowledgement of Receipt located on page 3 by the end of their first semester of enrollment.

## Curriculum Requirements

Code	Title	Credit Hours
<b>Core Courses (54 credits) <sup>1</sup></b>		
KIN 625	Applied Biomechanics in Athletic Training	3
KIN 663	Foundations of Athletic Training	3
KIN 664	Orthopedic Assessment 1: Pathophysiology of Injuries	3
KIN 665	Orthopedic Assessment 2: Examination of the Musculoskeletal System	3
KIN 682	Clinical Pathology and Immediate Primary Care	3
KIN 688	Advanced Gross Anatomy in Kinesiology and Sport Sciences	3
KIN 714	Therapeutic Interventions	3
KIN 715	Evidence-Based Sports Medicine and Research Methods	3
KIN 716	Advanced Rehabilitation Techniques in Athletic Training	3
KIN 717	Applied Clinical Techniques in Athletic Training	3
KIN 718	Administration and Professional Development	2
KIN 720	Practicum in Athletic Training	1
KIN 721	Independent Study 1: Clinical Internship Experience	1

KIN 722	Practicum in Athletic Training 2	2
KIN 724	Practicum in Athletic Training III	3
KIN 763	Seminar and Special Topics in Athletic Training	3
KIN 764 or KIN 800	Athletic Training Clinical Field Experience Supervised Practicum	6
KIN 766	Research in Athletic Training	3
KIN 660	Athletic Training Clinical Skills	3
KIN 674	Orthopedic Assessment Lab 1	2
KIN 675	Orthopedic Assessment Lab 2	2
<b>Choose 1 Course (2 Credits each) From the Following Electives <sup>2</sup></b>		<b>2</b>
KIN 624	Athletic Training Techniques - Manual Therapy	
KIN 657	Diagnostic Imaging Techniques in Sports Medicine	
KIN 723	Independent Study 2: Research Experience	
KIN 765	Teaching Assistant Training in Kinesiology	
KIN 783	Sports Medicine for the Female Athlete	
<b>Total Credit Hours</b>		<b>60</b>

<sup>1</sup> Required courses may be substituted with elective courses with approval from the Program Director and Department.

<sup>2</sup> Upon the approval of the Program Director, you may take other KIN courses.

## Sample Plan of Study

This is a sample Plan of Study. Your actual course sequence may vary depending on your previous academic experience as well as current course offerings. Students should meet with their academic advisor each semester to determine the appropriate course selection.

Year One		Credit Hours
<b>First Semester</b>		
Summer		
KIN 663	Foundations of Athletic Training ((Summer C))	3
KIN 660	Athletic Training Clinical Skills ((Summer B))	3
<b>Credit Hours</b>		<b>6</b>
<b>Second Semester</b>		
Fall		
KIN 664	Orthopedic Assessment 1: Pathophysiology of Injuries	3
KIN 674	Orthopedic Assessment Lab 1	2
KIN 682	Clinical Pathology and Immediate Primary Care	3
KIN 688	Advanced Gross Anatomy in Kinesiology and Sport Sciences	3
KIN 720	Practicum in Athletic Training	1
<b>Credit Hours</b>		<b>12</b>
<b>Third Semester</b>		
Spring		
KIN 625	Applied Biomechanics in Athletic Training	3
KIN 665	Orthopedic Assessment 2: Examination of the Musculoskeletal System	3
KIN 675	Orthopedic Assessment Lab 2	2
KIN 714	Therapeutic Interventions	3
KIN 722	Practicum in Athletic Training 2	2
<b>Credit Hours</b>		<b>13</b>
<b>Year Two</b>		
<b>First Semester</b>		
Summer A/B		
KIN 715	Evidence-Based Sports Medicine and Research Methods	3
KIN 721	Independent Study 1: Clinical Internship Experience (Students must take one two credit )	1
Choose one of the following:		2

KIN 624	Athletic Training Techniques - Manual Therapy	
KIN 657	Diagnostic Imaging Techniques in Sports Medicine	
KIN 723	Independent Study 2: Research Experience	
KIN 765	Teaching Assistant Training in Kinesiology	
KIN 783	Sports Medicine for the Female Athlete	
<b>Credit Hours</b>		<b>6</b>
<b>Second Semester</b>		
Fall		
KIN 716	Advanced Rehabilitation Techniques in Athletic Training	3
KIN 717	Applied Clinical Techniques in Athletic Training	3
KIN 718	Administration and Professional Development	2
KIN 724	Practicum in Athletic Training III	3
KIN 766	Research in Athletic Training	3
<b>Credit Hours</b>		<b>14</b>
<b>Third Semester</b>		
Spring		
KIN 763	Seminar and Special Topics in Athletic Training	3
KIN 764 or 800	Athletic Training Clinical Field Experience or Supervised Practicum	6
<b>Credit Hours</b>		<b>9</b>
<b>Total Credit Hours</b>		<b>60</b>

## Mission

To empower students to be successful independent healthcare practitioners in Athletic Training by providing the student with the flexibility to formulate an individual educational, clinical, and research plan.

## Goals

- Employ evidence-based best practices to promote optimal patient outcomes
- Develop sound critical thinking skills to build confidence as an independent healthcare practitioner
- Engage in diverse clinical experiences while collaborating as a member of the inter-professional healthcare team
- Advance and advocate for the profession of Athletic Training through scholarship, leadership, and service to the community.
- Value and implement holistic patient-centered care to diverse populations.
- Empower students to promote a healthy work-life integration

## Student Learning Outcomes

- Educate and communicate with patients and stakeholders to enhance wellness and minimize the risk of injury and illness
- Implement and perform systematic, evidence-based examinations and assessments to formulate valid clinical diagnoses and determine patients' plan of care
- Develop, implement, evaluate and update plans of care using evidence-based interventions to optimize patient outcomes
- Implement and perform appropriate emergency and immediate care procedures to prevent and reduce the risk of morbidity and mortality