

# 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 be a prestigious international student-centered academic program that provides the student with the flexibility to formulate an individual educational, clinical, and research plan.

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:

- Graduate Record Exam (GRE) requirements may be waived for applications, pending final approvals. However, if the GRE is required for admissions, applicants must achieve acceptable scores on the GRE taken within the past five years. 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) and the GRE;
- 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 that address the issues and meet the criteria established by the program being applied to;
- provide a personal statement that addresses the mission and purpose of the program being applied to;
- resume;
- take part in an admissions interview (required by some programs); 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: Introduction with Lab
- Chemistry: Introduction with Lab

- Introduction to Physics
- Introduction to Statistics
- 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 Board of Certification's ECC list). Students must have proof of current certification before the start of classes and maintain certification throughout the program.

### 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

### 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 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	3
KIN 720	Practicum in Athletic Training	3
KIN 722	Practicum in Athletic Training 2	3
KIN 724	Practicum in Athletic Training III	3
KIN 735 or KIN 625	Methods in Biomechanical Analysis Applied Biomechanics in Athletic Training	3
KIN 763	Seminar and Special Topics in Athletic Training	3
KIN 764	Athletic Training Clinical Field Experience	6

or KIN 800	Supervised Practicum	
KIN 766	Research in Athletic Training	3
<b>Choose 2 Course (6 Credits) From the Following Electives <sup>2</sup></b>		<b>6</b>
KIN 624	Athletic Training Techniques - Manual Therapy	
KIN 657	Diagnostic Imaging Techniques in Sports Medicine	
KIN 721	Independent Study 1: Clinical Internship Experience	
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.

<b>Year One</b>		<b>Credit Hours</b>
<b>First Semester</b>		
Summer B		
KIN 663	Foundations of Athletic Training	3
KIN 664	Orthopedic Assessment 1: Pathophysiology of Injuries	3
<b>Credit Hours</b>		<b>6</b>
<b>Second Semester</b>		
Fall		
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 720	Practicum in Athletic Training	3
<b>Credit Hours</b>		<b>12</b>
<b>Third Semester</b>		
Spring		
KIN 714	Therapeutic Interventions	3
KIN 715	Evidence-Based Sports Medicine and Research Methods	3
KIN 722	Practicum in Athletic Training 2	3
KIN 735 or 625	Methods in Biomechanical Analysis or Applied Biomechanics in Athletic Training	3
<b>Credit Hours</b>		<b>12</b>
<b>Year Two</b>		
<b>First Semester</b>		
Summer A/B		
Electives: Student must complete two required 3-credit elective courses from the following:		6
KIN 624	Athletic Training Techniques - Manual Therapy	
KIN 657	Diagnostic Imaging Techniques in Sports Medicine	
KIN 721	Independent Study 1: Clinical Internship Experience	
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 724	Practicum in Athletic Training III	3
KIN 763	Seminar and Special Topics in Athletic Training	3
	<b>Credit Hours</b>	<b>12</b>
<b>Third Semester</b>		
Spring		
KIN 718	Administration and Professional Development	3
KIN 764 or 800	Athletic Training Clinical Field Experience or Supervised Practicum	6
KIN 766	Research in Athletic Training	3
	<b>Credit Hours</b>	<b>12</b>
	<b>Total Credit Hours</b>	<b>60</b>

## Mission

To prepare students to be successful independent healthcare practitioners, immediately ready to assume the roles and responsibilities required to advance in the Athletic Training Profession.

## Goals

1. Employ evidence-based strategies and practices
2. Gain diverse clinical experiences
3. Develop sound critical thinking skills
4. Utilize Administrative skills and knowledge to enhance best practices for patients and organizations
5. Be stewards of and advocators for the AT Profession
6. Value and employ Patient-Centered Care including cultural competency
7. Understand the AT's role in public health education.
8. Be an active member of the IPE team

## 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