

Athletic Training (ATTR)

Michelle Gray

Interim Department Head, Health, Human Performance and Recreation
306 HPER Building
479-575-6713
Email: gray@uark.edu

Paul Calleja

Assistant Department Head and Graduate Coordinator
306C HPER Building
479-575-2854
Email: pcallej@uark.edu

Health, Human Performance and Recreation Website (<http://hhpr.uark.edu/>)

Athletic Training Program Website (<https://atep.uark.edu/>)

Degrees Conferred:

M.At. in Athletic Training (ATTRMA)

Program Description: The Master of Athletic Training degree program prepares individuals for employment as athletic trainers for high school, college, professional sports organizations, and private clinics, military, performing arts, and industry. The Master of Athletic Training degree requires 59-62 credit hours of course work to graduate. The student is offered the opportunity to interact with high quality researchers, teachers, and preceptors throughout the two and a half years of course work, clinical rotations, and the research thesis or experience.

The Master of Athletic Training (M.AT.) Program is a pre-certification program in athletic training and is not intended for students who are already eligible to sit for or have passed the Board of Certification (BOC) examination. This is a full-time graduate program that begins in the first summer term each year and requires considerable clinical experience as part of the requirements for graduation. This is a competitive master's program that requires admission to the University of Arkansas Graduate School and the M.AT. Program.

M.At. in Athletic Training

Prerequisites to Athletic Training Degree Program: For acceptance to the Graduate Athletic Training Program, in addition to the general requirements for admission to the Graduate School, an undergraduate degree in exercise science or in a related field and an overall undergraduate GPA of 3.00, GRE score and prerequisite courses are required. GPA of no less than 3.0 was changed from previous three-tiered GPA requirements and submission of a GRE score.

Prerequisite Courses for Admission to the Master of Athletic Training:

Students desiring admission to the athletic training program must complete the following courses prior to admission:

NUTR 1213	Fundamentals of Nutrition	3
EXSC 3153	Exercise Physiology	3
BIOL 1543 & BIOL 1541L	Principles of Biology (ACTS Equivalency = BIOL 1014 Lecture) and Principles of Biology Laboratory (ACTS Equivalency = BIOL 1014 Lab)	4

BIOL 2213 & BIOL 2211L	Human Physiology (ACTS Equivalency = BIOL 2414 Lecture) and Human Physiology Laboratory (ACTS Equivalency = BIOL 2414 Lab)	4
BIOL 2443 & BIOL 2441L	Human Anatomy (ACTS Equivalency = BIOL 2404 Lecture) and Human Anatomy Laboratory (ACTS Equivalency = BIOL 2404 Lab)	4
CHEM 1103 & CHEM 1101L	University Chemistry I (ACTS Equivalency = CHEM 1414 Lecture) and University Chemistry I Laboratory (ACTS Equivalency = CHEM 1414 Lab) or CHEM 1203 Chemistry for Majors I & CHEM 1201L and Chemistry for Majors I Laboratory	4
PHYS 2013 & PHYS 2011L	College Physics I (ACTS Equivalency = PHYS 2014 Lecture) and College Physics I Laboratory (ACTS Equivalency = PHYS 2014 Lab)	4
PSYC 2003	General Psychology (ACTS Equivalency = PSYC 1103)	3

If the above courses were obtained at a college or university other than the University of Arkansas, course syllabi/outlines for courses that are requested to meet the requirements must be submitted to the Program Director of Athletic Training Program for approval.

Students who desire consideration for admission to the Graduate Athletic Training Program must submit the following information:

1. Each student must provide evidence of a preprogram physical examination based on the University of Arkansas graduate athletic training program's technical standards by a board certified physician (DO or MD);
2. Evidence of immunizations (mumps, measles, rubella, tetanus, and diphtheria);
3. Hepatitis B vaccination or waiver prior to beginning the clinical field based experience (the University of Arkansas Student Health Center offers the Hepatitis B vaccination for \$120.00 for all three shots);
4. Completion of a drug test administered by the University of Arkansas at an approved testing site;
5. A minimum of 150 hours of observation under the direct supervision of a BOC certified athletic trainer;
6. Three professional letters of recommendation;
7. Completion of the M.AT. Program Application via ATCAS (see program website);
8. Completion of the University of Arkansas Graduate School Application — refer to the Athletic Training website (admission into the graduate athletic training program is selective, and therefore, admission to the Graduate School of the University of Arkansas does not guarantee admission into the Graduate Athletic Training Program);
9. Background check — All expenses incurred by the back ground are the responsibility of the student.
10. An official copy of all transcripts; and
11. All prospective students must satisfy required athletic training technical standards.

Technical Standards: Because the Master of Athletic Training degree and BOC certification signifies that the holder is a clinician prepared for entry into the practice of athletic training within a variety of employment and education settings, it follows that graduates must have the knowledge

and skills to function in a broad variety of clinical situations and to render a wide spectrum of patient care. Therefore, the students must meet technical standards before being admitted to the Athletic Training Education Program. The technical standards set forth by the Athletic Training Educational Program establish the essential qualities considered necessary for students admitted to this program to achieve the knowledge, skills, and competencies of an entry-level athletic trainer, as well as meet the expectations of the program's accrediting agency, the Commission on Accreditation for Athletic Training Education (CAATE). Applicants who may not meet these technical standards are encouraged to contact the Program Director of Athletic Training Education, 308H HPER Building, University of Arkansas. The following are the technical standards:

1. Candidates must be able to actively learn from observations, demonstrations, and experiments in the basic sciences.
2. Candidates must be able to learn to analyze, synthesize, solve problems, and reach assessment and therapeutic judgments distinguished from the norm.
3. Candidates must have sufficient sensory function and coordination to perform appropriate physical examinations using acceptable techniques.
4. Candidates must be able to relate effectively to athletes and the physically active and to establish sensitive, professional relationships with them.
5. Candidates are expected to be able to communicate the results of the assessment to the injured or ill exerciser, to responsible officials, to parents or guardians, and to colleagues with accuracy, clarity, and efficiency.
6. Candidates are expected to learn and perform routine prevention, assessment, emergency care, and therapeutic procedures.
7. Candidates are expected to be able to display good judgment in the assessment and treatment of injured or ill athletes and physically active individuals.
8. Candidates must be able to learn to respond with precise, quick, and appropriate action in emergency situations.
9. Candidates are expected to be able to accept criticism and respond by appropriate modification of behavior.
10. Candidates are expected to possess the perseverance, diligence, and consistency to complete the athletic training degree curriculum as outlined and sequenced, to attempt BOC certification within the year of program completion, and to enter the practice of athletic training.

Program Retention and Progression Policies:

All graduate students are subject to the Graduate School Policies (<http://catalog.uark.edu/graduatecatalog/objectivesandregulations/>).

In addition to the graduate school policies, the Graduate Athletic Training Program has adopted a more stringent set of academic guidelines.

Students will be retained and progress through the ATP by meeting the following requirements:

1. Follow all Graduate Athletic Training Program Policies as noted in the program's policy and procedure manual.
2. Only those that have a graduate GPA of #3.0 will be cleared for graduation from the Graduate Athletic Training Program. In addition, no credit is earned for courses in which a grade of "F" or "D" is recorded (but these courses count towards GPA). Courses in which a grade of "F" or "D" are earned must be retaken, and a passing grade

("C" or better) must be earned prior to graduation. The maximum number of credit hours that can be retaken is 6 hours.

3. At the end of each semester (i.e., August, December and May), student progress will be assessed. Students will be placed on probation if:
 - a. Cumulative GPA is less than or equal to a 2.85 (student will receive a letter from the graduate school)
 - b. or the student earned two "C"s or lower in the semester being evaluated (student will receive a letter from the athletic training program director).
4. Students on probation will be reassessed at the end of the following semester. Re-assessment will determine if the student is removed from probation, or is dismissed from the program.
 - a. Student removed from probation: If the student earns greater than a "C" in all coursework during the probation semester AND the cumulative GPA is greater than 2.85.
 - b. Student is dismissed from the program: If the student earns any grade less than a "B" during the probation semester (regardless of cumulative GPA).

A student cannot graduate while on probation. If they are on probation during their final semester, a student must earn a "B" or greater in all of their coursework. Likewise, their final cumulative GPA must be greater than or equal to a 3.00 (see point 2 above).

BOC for Athletic Training Exams:

1. If the student is on probation during their final semester (Spring 2nd year), they will not be cleared to take the Jan/Feb or March/April BOC for athletic training exam.
 - a. At the semester midterm, student progress will be assessed. If it is determined that the student is on track to earn a "B" or greater in all coursework, as determined by the instructor, the student will be cleared to take the May/June BOC for athletic training exam.
 - b. If it is determined the student is at risk to earn a "C" or less in any of their courses, the student will not be cleared for the May/June exam. In that case, the student will only be cleared to take the BOC for athletic training exam once the student has successfully graduated from the program.

Students are expected to adhere to the current National Athletic Trainers Association (NATA) Code of Ethics and the policies outlined in the graduate athletic training program's policy and procedure manual throughout their program of study, including during all courses and field experiences. Should a student violate the NATA Code of Ethics and/or policies outlined in the policy and procedure manual, the student will be referred to a remediation and retention committee (comprised of athletic training faculty). Based on the severity of the infraction, a student may be dismissed or receive a warning accompanied by remediation. Students will be dismissed from the program if they fail to comply with remediation or retention committee directives. Drug tests may be required of any student at random times throughout their time in the program. Confirmation of a positive drug screen, except nicotine, will result in the immediate dismissal of the student from the Graduate Athletic Training Program with no possibility of reinstatement. More detailed information about the process can be found in the policy and procedure manual at atep.uark.edu (<https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fatep.uark.edu%2F&data=04%7C01%7Cpallej%40uark.edu%7C3356a62492d443c63ab208d896f2cb2e%7C79c742c4e61c4fa5be89a3cb566a80d1%7C0%7C0%7C637425316828247254%7CTWfPbGzSb3d8eyJWljoimc4wLjAwMDAiLCJQljoiv2luMzliLCJBTi6l1k1haWwIL>).

%7C1000&sdata=JpqBDGGTvhCzGmBpGTeHnZckWosvvqk4Fscbl
%2BC98ow%3D&reserved=0).

The Program Coordinator, in consultation with the Remediation and Retention Committee, Department Head, and the Graduate School, has the authority and responsibility to dismiss a student from the program for unethical or unprofessional behavior or a positive drug screen. Students who have been dismissed by the program on the basis of unethical or unprofessional conduct may appeal the decision following the procedures outlined under the [Unethical and Unprofessional Conduct policy contained in the Graduate Catalog of Studies](#).

Requirements for the Master of Athletic Training Degree:

Candidates for the Master of Athletic Training degree must complete 56 semester hours of graduate work and an independent research project or thesis. A graduate GPA of 3.0 or better is required for graduation. In addition, all degree candidates must successfully complete the required athletic training competencies and proficiencies as mandated by the accrediting body.

Athletic Training: (59-62 hours)

Required Research Component (3 hours)

ESRM 5393	Statistics in Education and Health Professions	3
	or ESRM 6403 Educational Statistics and Data Processing	

HHPR Required Courses (53 hours)

ATTR 5213	Athletic Training Clinical I - Application of Injury Prevention Devices and Techniques	3
ATTR 5223	Athletic Training Clinical II - Emergency Procedures	3
ATTR 5232	Athletic Training Clinical III - Lower Extremity Evaluation	2
ATTR 5242	Athletic Training Clinical IV - Evaluation of Upper Extremity	2
ATTR 5262	Athletic Training Clinical V - Rehabilitation Lab	2
ATTR 5272	Athletic Training Clinical VI - Athletic Training Seminar	2
ATTR 5253	Professionalism in Athletic Training	3
ATTR 5313	Clinical Anatomy for Athletic Trainers	3
ATTR 5363	Evaluation Techniques of Athletic Injuries - Upper Extremity	3
ATTR 5373	Evaluation Techniques of Athletic Injuries - Lower Extremity	3
ATTR 5403	Pathophysiology and Treatment I	3
ATTR 5413	Pathophysiology and Treatment II	3
ATTR 5453	Therapeutic Modalities in Athletic Training	3
ATTR 5463	Therapeutic Exercise and Rehabilitation of Athletic Injuries	3
ATTR 5473	Administration in Athletic Training	3
ATTR 5493	Evidence-Based Practice in Athletic Training	3
EXSC 5323	Biomechanics I	3
EXSC 5593	Practicum in Laboratory Instrumentation	3
EXSC 5643	Advanced Psychology of Sports Injury and Rehabilitation	3

Required Project or Thesis (3-6 hours)

KINS 589V	Independent Research	3-6
-----------	----------------------	-----

or KINS 600V Master's Thesis

Total Hours

59-62

Courses

ATTR 5213. Athletic Training Clinical I - Application of Injury Prevention Devices and Techniques. 3 Hours.

This course will serve as an introduction to the athletic training program procedures, policies, and application of athletic preventive devices and how they support anatomical structures. Corequisite: ATTR 5223. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Summer)

ATTR 5223. Athletic Training Clinical II - Emergency Procedures. 3 Hours.

This course serves as a process to monitor athletic training student's progression and competence of athletic and non-athletic injury emergency procedures. Corequisite: ATTR 5213. (Typically offered: Summer)

ATTR 5232. Athletic Training Clinical III - Lower Extremity Evaluation. 2 Hours.

This course serves as a process to monitor student progression of athletic training competencies, acquire clinical hours under the direct supervision of a preceptor(s), and reinforce the evaluation skills of the lower extremity, lumbar and thoracic spine. Prerequisite: ATTR 5223. (Typically offered: Fall)

ATTR 5242. Athletic Training Clinical IV - Evaluation of Upper Extremity. 2 Hours.

This course serves as a process to monitor student's progression of athletic training competencies, acquire clinical hours under the direct supervision of a preceptor (s), and reinforce the evaluation skills of the gait, upper extremity, cervical abdominal/thorax, head and face. Prerequisite: ATTR 5232. (Typically offered: Spring)

ATTR 5253. Professionalism in Athletic Training. 3 Hours.

This course has dual purposes: to educate students on athletic training educational competencies related to professionalism and professional responsibility in the field of athletic training; and to provide an immersive clinical experience under the direct supervision of a preceptor as required by the accrediting body. Students will engage with information about professionalism in both the course material and the clinical experience. (Typically offered: Summer)

ATTR 5262. Athletic Training Clinical V - Rehabilitation Lab. 2 Hours.

This course will serve as a process for monitoring student's progression of athletic training competencies, acquire clinical hours under the direct supervision of a preceptor(s), practice clinical skills, and reinforce techniques and applications of therapeutic exercise and rehabilitation. (Typically offered: Fall)

ATTR 5272. Athletic Training Clinical VI - Athletic Training Seminar. 2 Hours.

This course will serve as a process for monitoring student's progression of athletic training competencies, acquire clinical hours under the direct supervision of a preceptor(s), practice clinical skills, and prepare students for the BOC-AT certification exam and future employment. Prerequisite: ATTR 5262. (Typically offered: Spring)

ATTR 5313. Clinical Anatomy for Athletic Trainers. 3 Hours.

Instruction of human anatomy for the athletic training professional using lecture, diagrams, textbook readings, and demonstrations. Focus will be placed on anatomy of structures related to athletic injuries; and can be used in the evaluation, treatment, and rehabilitation of injuries in a variety of athletic training settings. Prerequisite: Acceptance into the graduate athletic training program or instructor consent. (Typically offered: Summer)

ATTR 5363. Evaluation Techniques of Athletic Injuries - Upper Extremity. 3 Hours.

Use of scientific assessment methods to recognize and evaluate the nature and severity of athletic injuries to the upper extremities, trunk, and head. Prerequisite: Admission to graduate athletic training program. (Typically offered: Spring)

ATTR 5373. Evaluation Techniques of Athletic Injuries - Lower Extremity. 3 Hours.

Use of scientific assessment methods to recognize and evaluate the nature and severity of athletic injuries to the hip and lower extremities. Prerequisite: Admission to graduate athletic training program. (Typically offered: Fall)

ATTR 5403. Pathophysiology and Treatment I. 3 Hours.

This course will provide knowledge, skills, and values that the entry-level athletic trainer must possess to prevent, recognize, treat, advise on medications for and, when appropriate, refer general medical conditions and disabilities of physically active individuals. Prerequisite: Admission to the athletic training program. (Typically offered: Spring)

ATTR 5413. Pathophysiology and Treatment II. 3 Hours.

This course will provide knowledge, skills, and values that the entry-level athletic trainer must possess to prevent, recognize, treat, advise on medications for and, when appropriate, refer general medical conditions and disabilities of physically active individuals. Prerequisite: ATTR 5403. (Typically offered: Fall)

ATTR 5453. Therapeutic Modalities in Athletic Training. 3 Hours.

Contemporary therapeutic modalities used in managing athletic injuries. Modalities covered are classified as thermal agents, electrical agents, or mechanical agents. Emphasis is placed on their physiological effects, therapeutic indications (and contraindications), and clinical application. Prerequisite: Admission to graduate athletic training program. (Typically offered: Fall)

ATTR 5463. Therapeutic Exercise and Rehabilitation of Athletic Injuries. 3 Hours.

A systematic approach to exercise program development, techniques, indications and contraindications of exercise, and progression as related to athletic injury, prevention, and return to play guidelines. Prerequisite: Admission to graduate athletic training program. (Typically offered: Fall)

ATTR 5473. Administration in Athletic Training. 3 Hours.

Administrative components of athletic training. Basic concepts of legal liability, leadership and management principles, financial management, day to day scheduling and supervision, maintenance, and general administration. Prerequisite: Admission to graduate athletic training program. (Typically offered: Spring)

ATTR 5483. Medical Conditions in Athletic Training. 3 Hours.

This course will provide a collection of knowledge, skills, and values that the entry-level certified athletic trainer must possess to recognize, treat, and refer, when appropriate, the general medical conditions and disabilities of athletes and others involved in physical activity. Prerequisite: Admission to the graduate athletic training program or permission of instructor. (Typically offered: Fall)

ATTR 5493. Evidence-Based Practice in Athletic Training. 3 Hours.

In-depth analysis of current literature, research, case studies, and musculoskeletal evaluation and rehabilitation directed toward musculoskeletal injuries of the physically active. Prerequisite: Admission into the Athletic Training Education Program. (Typically offered: Summer)