

# Athletic Training (ATHT)

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Course information contained within the Bulletin is accurate at the time of publication in July 2024 but is subject to change. For the most up-to-date course information, please refer to the Course Catalog.

**ATHT 5142. Foundations of Athletic Training. 4 Credit Hours.**

Through lecture and laboratory exercises, the student will obtain both didactic information and practical application of athletic training skills, including basic taping and bracing techniques, acute and emergency management, stretching, and equipment fitting and removal. Additionally, legal and ethical issues will be addressed.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 5143. Orthopedic Assessment I. 3 Credit Hours.**

This required course will focus on the key concepts of evaluation, diagnosis, and management of lower extremity sports-related injuries. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies of musculoskeletal injuries in the lower extremity and apply these concepts in real-life athletic training scenarios.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 5182. Independent Study in Athletic Training. 1 to 3 Credit Hour.**

This course offers individual investigation in athletic training practice or research under the guidance of a mentor.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**College Restrictions:** Must be enrolled in one of the following Colleges: College of Public Health.

**ATHT 5244. Orthopedic Assessment II. 3 Credit Hours.**

This is a required three credit hour course that will focus on the key concepts of evaluation, diagnosis, and management of upper-extremity and axial skeleton sports-related injuries. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies of musculoskeletal injuries in the upper extremity and axial skeleton and apply these concepts in real-life scenarios.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5143 or KINS 5143)

**ATHT 5245. General Medical Conditions in Athletic Training. 4 Credit Hours.**

This course will focus on the key concepts of evaluation, diagnosis, and management of general medical conditions commonly seen in the athlete. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies and apply these concepts in real-life scenarios.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5142 or KINS 5142)

**ATHT 5247. Leadership for the Entry-Level Athletic Trainer. 1 Credit Hour.**

This 1 credit hour course will focus on the history of athletic training and its continued growth as a healthcare profession. Students will determine their leadership style and practice conflict resolution skills.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**College Restrictions:** Must be enrolled in one of the following Colleges: College of Public Health.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 5287. Practicum in Athletic Training I. 3 Credit Hours.**

This course accompanies the first clinical experience in the athletic training curriculum in order to further develop and enhance the practical skills and knowledge necessary for clinical practice. Students will review and demonstrate lower extremity injury evaluations, foundational athletic training skills, and emergency management techniques.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5142 or KINS 5142) and (ATHT 5143 or KINS 5143)

**ATHT 5443. Organization and Administration in Athletic Training. 3 Credit Hours.**

This three-credit hour lecture/seminar course will focus on the aspects of professional management and administrative issues in athletic training, including program management, human resources, insurance, risk management, ethics, pre-participation examinations and facility design.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5247 or KINS 5247)

**ATHT 5444. Therapeutic Interventions in Athletic Training. 5 Credit Hours.**

This lecture and laboratory course provides current evidence and best practices for the implementation of therapeutic interventions and modalities targeted for the physically active population from the time of injury to the return to participation in sports and activities. Students will gain knowledge and experience in the theory and application of therapeutic interventions throughout the injury management spectrum. Upon completion of the 5-credit course, students will be able to apply evidence-based therapeutic guidelines to create a comprehensive treatment and rehabilitation protocol.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Master of Sci in Athletic Train.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5244 or KINS 5244)

**ATHT 5445. Considerations for Healing. 4 Credit Hours.**

Through lecture and laboratory exercise, the student will examine the body's response to injury and pain, within the framework of the Disablement Model. Students will explore pathology, histology, nutrition, behavioral therapies, and pharmacological interventions as they are directed through the continuum of care. Upon completion of this 4-credit course, students will be able to implement a patient-centered plan of care across a spectrum of injuries and illnesses.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5244 or KINS 5244), (ATHT 5245 or KINS 5245), and (ATHT 5287 or KINS 5287)

**ATHT 5487. Practicum in Athletic Training II. 3 Credit Hours.**

This 3-credit course is designed to accompany the second clinical experience in the athletic training curriculum to further develop and enhance the practical skills and knowledge necessary for clinical practice. Students will review and demonstrate upper extremity and postural evaluations, general medical assessments, and leadership skills.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Master of Sci in Athletic Train.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5244 or KINS 5244), (ATHT 5245 or KINS 5245), and (ATHT 5287 or KINS 5287)

**ATHT 5644. Applied Research in Athletic Training. 3 Credit Hours.**

This three-credit course will introduce the fundamentals of research design and interpretation, including basic statistical analysis. Students will read, summarize, and interpret current literature related to athletic training and determine how it applies to clinical practice.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5487 or KINS 5487)

**ATHT 5645. Board of Certification Examination Preparation. 2 Credit Hours.**

This 2-credit course will focus on the directed study for the Board of Certification (BOC) examination. Through the use of self-assessments, students will identify areas of strengths and weaknesses, create tailored study plans, and complete practice examinations.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5487 or KINS 5487), (ATHT 5444 or KINS 5444), and (ATHT 5445 or KINS 5445)

**ATHT 5687. Practicum in Athletic Training III. 2 Credit Hours.**

This two-credit course is designed to accompany the fourth clinical experience in the athletic training curriculum to further develop and enhance the practical skills and knowledge necessary for clinical practice. Students will review and demonstrate therapeutic exercise and modality applications.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5487 or KINS 5487), (ATHT 5444 or KINS 5444), and (ATHT 5445 or KINS 5445)

**ATHT 5808. Advanced Sport Concussion. 3 Credit Hours.**

This online course is designed to provide students information about sport concussion. It is geared towards graduate students seeking to augment their concussion education. It is open to all students, but also serves to supplement specific student learning objectives for graduate Athletic Training Education students. Graduate students will receive targeted course lectures, readings, and online resources on topics such as concussion pathomechanics, pathophysiology, recognition, assessment, management, and return to play guidelines.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 5851. Current Trends in Athletic Training. 3 Credit Hours.**

Through the use of current literature and content experts in the field, this three-credit course will provide advanced information regarding clinically relevant topics related to athletic training and sports medicine practice.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5443 or KINS 5443)

**ATHT 5852. Transition to Athletic Training Clinical Practice. 3 Credit Hours.**

This three-credit course will serve as the students' capstone experience and focus on preparing students to transition from the classroom to clinical practice. Students will submit a portfolio that includes completed competencies, resume, cover letter, and professional development units.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5645 or KINS 5645)

**ATHT 5888. Immersive Clinical Practice in Athletic Training. 1 Credit Hour.**

Immersive Clinical Practice in Athletic Training is designed to provide athletic training students with a clinical experience opportunity to further develop, enhance, and practice skills and knowledge necessary for clinical practice and the continuum of patient care. This course will be completed in the Early-Term Start period, allowing the student to be with their assigned preceptor full-time for the duration of the course. Students must complete between 75 and 100 supervised hours, record patient-encounters, create a plan of care, and complete a final reflection of their experience. Background checks, CPR certification, and medical requirements must be current.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Master of Sci in Athletic Train.

**Repeatability:** This course may be repeated for a total of 2 credit.

**Pre-requisites:** Minimum grade of B- in (ATHT 5487 or KINS 5487), (ATHT 5444 or KINS 5444), and (ATHT 5445 or KINS 5445)

**ATHT 5988. Advanced Immersive Clinical Practice in Athletic Training. 2 Credit Hours.**

Advanced Immersive Clinical Practice in Athletic Training is designed to provide athletic training students with a clinical experience opportunity to further develop, enhance, and practice skills and knowledge necessary for clinical practice, the continuum of patient care, and organizational and administrative duties. This course will be completed in the final semester within the MSAT program, allowing the student to be with their assigned preceptor full-time for the duration of the course. Students must complete between 250 and 300 supervised hours, record patient-encounters, create a plan of care, critique current site policy and procedures, and complete a final reflection of their experience. Background checks, CPR certification, and medical requirements must be current throughout duration.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 5687 or KINS 5687) and (ATHT 5443 or KINS 5443)

**ATHT 8300. Seminar in Athletic Training/Sport Medicine. 1 to 3 Credit Hour.**

This course is designed to provide the student with analytical skills and practical experiences relative to research as it applies to sports-related injuries.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**College Restrictions:** Must be enrolled in one of the following Colleges: College of Public Health.

**Repeatability:** This course may be repeated for additional credit.

**ATHT 8343. Advanced Topics in Athletic Training. 3 Credit Hours.**

Through the use of current literature and content experts in the field, this three-credit course will provide advanced information regarding clinically relevant topics related to athletic training and sports medicine practice, geared towards the practicing clinician.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 8344. Rehabilitation Methods and Techniques for Sports-Related Injuries. 3 Credit Hours.**

This course is designed to provide the student with both the theoretical cases and some practical experience relative to rehabilitation therapy as it applies to sports-related injuries. Topics to be covered include manual muscle testing, goniometry, theories of pain and its management, and various therapeutic exercise modalities.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 8348. Laboratory Techniques in Athletic Training. 3 Credit Hours.**

This is a 3-credit course specifically designed for students currently enrolled in the graduate Athletic Training program. This course will provide students with knowledge and application of selected laboratory instrumentation utilized in the athletic training division of the Biokinetics Research Laboratory. Topics include, but are not limited to, instrumentation used in testing of the following areas: pain threshold, strength, motion analysis, electromyography, postural control, and protein assays.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 8349. Cadaver Anatomy. 3 Credit Hours.**

This course is designed for students currently enrolled in the graduate Athletic Training Education program. The course will provide students with knowledge and application of gross human anatomy, injury pathomechanics, and evaluation. Topics include, but are not limited to, laboratory experiences in the following areas: skeletal, muscular, nervous, cardiovascular, and respiratory systems.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 8601. Research Appraisal and Clinical Application. 3 Credit Hours.**

This 3-credit hour online course will focus on critically reading current research related to the field of athletic training. Students will learn common research design and statistical methods, and be able to critically appraise current literature. Students will be able to identify and analyze trends in clinical practice with the goal of improving patient outcomes. This course will prepare students for their capstone experience.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Doctor of Athletic Training.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 8602. Clinical Grand Rounds I: Lower Extremity. 3 Credit Hours.**

This online course will consist of clinical cases from the students and guest lecturers in the medical field. An evidence-based approach will be utilized to determine best practices and ways to improve patient outcomes for lower extremity athletic injuries.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**College Restrictions:** Must be enrolled in one of the following Colleges: College of Public Health.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 8603. Clinical Grand Rounds II: Upper Extremity. 3 Credit Hours.**

This online course will consist of clinical cases from the students and guest lecturers in the medical field. An evidence-based approach will be utilized to determine best practices and ways to improve patient outcomes for upper extremity athletic injuries.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 8602 or KINS 8602)

**ATHT 8604. Evidence Based Decision Making in Athletic Training. 3 Credit Hours.**

This 3 credit hour online course will consist of defining evidence-based practice, including concepts of reliability, accuracy, predictive validity of clinical procedures, and outcome measures. Students will have the opportunity to apply evidence-based decisions to case-based scenarios, and critically evaluate decisions of peers. Students will be required to create an online clinical evidence-based continuing education course proposal according to the Board of Certification guidelines.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Degree Restrictions:** Must be enrolled in one of the following Degrees: Doctor of Athletic Training.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 8601 or KINS 8601)

**ATHT 8611. Leadership and Cultural Considerations in Athletic Training. 3 Credit Hours.**

This 3 credit hour online course is an interdisciplinary course that utilizes case scenarios to discuss issues involving leadership, cultural competence, and ethical decision-making by health care team members.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**ATHT 9601. Capstone in Athletic Training. 6 Credit Hours.**

The 6 credit hour capstone project is the culminating experience for the Doctor of Athletic Training program. It is completed under the mentorship of a research committee and integrates knowledge, skills, and abilities accrued throughout the program. The project will be founded in evidence-based practice and integrate current peer-reviewed research, patient population characteristics, and interdisciplinary provider expertise. The results of this project (e.g., literature review and critically appraised topics papers) will be submitted for presentation and/or publication.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate.

**Repeatability:** This course may not be repeated for additional credits.

**Pre-requisites:** Minimum grade of B- in (ATHT 8343 or KINS 8343)