

# Athletic Training (ATH)

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## Courses

### **ATH 511. Foundations of Athletic Training Practice. 3 Hours.**

This course will familiarize the student with the foundational concepts and skills prominent in the profession of athletic training. Topics presented will include: professional history and governance, roles and responsibilities in team healthcare, effective communication, and the legalities of modern healthcare. Instruction in basic evaluation, documentation, and injury prevention techniques (e.g. taping, wrapping, bracing, protective equipment) are also included.

### **ATH 512. Emergency Care. 3 Hours.**

This course is designed to provide the student with the knowledge and skills to meet the needs of most situations when emergency first aid care is critical to saving a life and minimizing the severity of the injuries. Topics addressing individual and environmental risk factor, circulation and airway management, immobilization, bleeding control, and management of sudden illness will be presented. Personal safety and accident prevention of the health care provider will also be incorporated.

### **ATH 513. Applied Clinical Anatomy and Physiology I. 2 Hours.**

This course focuses on the identification, palpation, and interconnected relationships of anatomical structures utilized during human movement. Muscle origin, insertion, action and innervation will be a primary focus of this course.

### **ATH 515. Therapeutic Intervention Concepts. 2 Hours.**

This course provides the student with foundational knowledge of the theories and principles related to injury intervention. Topics will include: the pathophysiology of injury, tissue healing, theories of pain and pain control, and the factors influencing structural stability and mobility.

### **ATH 519. Athletic Training Practicum I. 1 Hour.**

In this course, students will complete supervised fieldwork experiences in emergency care. Course Information: Additional course fees apply.

### **ATH 522. Lower Quarter Assessment and Management. 3 Hours.**

Recognition, assessment and management of injuries and conditions pertaining to the lower quarter. Common assessment and imaging techniques for common injuries of the lower quarter will be included in the lab portion of the course. The utilization of evidence-based assessment practices will be incorporated throughout the course.

### **ATH 524. Psychosocial Aspects in Athletic Training. 1 Hour.**

The purpose of this course is to develop an understanding of the psychosocial aspects of physical activity. Emphasis is placed on the psychological, social, and environmental factors that influence injury predisposition, response to injury, and rehabilitation, as well as the appropriate intervention required. Cultural competency of the clinician will be incorporated throughout the course.

### **ATH 525. Therapeutic Interventions I. 3 Hours.**

This course provides the student with foundational knowledge of the theories, principles, and applications of interventions utilizing therapeutic modalities and rehabilitation for lower quarter conditions. Focus will include designing and planning therapeutic interventions according to evidence-based protocols.

### **ATH 527. Clinical Proficiency Integration I. 1 Hour.**

This course is designed to test the proficiency of the athletic training student on the curricular content standards as outlined by the Commission on the Accreditation of Athletic Training Education (CAATE). Competencies for this course include but are not limited to: basic taping, universal precautions, musculoskeletal anatomy and physiology, and the foundational information of athletic training.

### **ATH 528. Evidence-Based Research Methods. 2 Hours.**

This course will focus on outlining the foundation of evidence-based practice in athletic training. The student will gain a basic understanding of principles in evidence-based practice and how to incorporate those principles into clinical practice. The student will develop the skills to generate an appropriate clinical question, to search and critically evaluate the relevant literature, and to make a clinical recommendation based on the findings.

### **ATH 529. Athletic Training Practicum II. 2 Hours.**

In this course, the student will complete supervised fieldwork experiences focusing on activities with frequent lower extremity injuries. Course Information: Additional course fees apply.

### **ATH 532. Upper Quarter Assessment and Management. 3 Hours.**

Recognition, assessment and management of injuries and conditions pertaining to the upper quarter. Common assessment and imaging techniques for common injuries of the upper quarter will be included in the lab portion of the course. The utilization of evidence-based assessment practices will be incorporated throughout the course.

### **ATH 533. Applied Clinical Anatomy and Physiology II. 2 Hours.**

This course focuses on the identification, diagnostic procedures, and interconnected relationships of bodily systems during human movement. Anatomical structures, physiological processes, pathophysiology of disease, and common diagnostic techniques for the nervous, endocrine, cardiovascular, and respiratory systems will be the primary focus, but the major anatomic structures of other body systems (e.g. gastrointestinal, dermatological, etc.) will also be incorporated.

### **ATH 535. Therapeutic Interventions II. 3 Hours.**

This course provides the student with foundational knowledge of the theories, principles, and applications of interventions utilizing therapeutic modalities and rehabilitation for upper quarter conditions. Focus will include designing and planning therapeutic interventions according to evidence-based protocols.

### **ATH 537. Clinical Proficiency Integration II. 1 Hour.**

This course is designed to test the proficiency of the athletic training student on the curricular content standards, as outlined by the Commission on the Accreditation of Athletic Training Education (CAATE). Competencies for this course include, but are not limited to: assessment and management techniques of lower and upper quarter injuries, applied anatomy and physiology, therapeutic modalities and evidence-based clinical decision making.

### **ATH 538. Applied Research I. 1 Hour.**

This course applies the evidence-based practice concepts by focusing on clinician- and patient-centered outcome measures. Exploration of primary literature focused on clinical questions related to the design, implementation, and modification of therapeutic interventions, will lead the student to complete a thorough review of the literature and to design a research protocol for a research project relevant to athletic training.

**ATH 539. Athletic Training Practicum III. 2 Hours.**

In this course, the student will complete supervised fieldwork experiences focusing on activities with frequent upper extremity injuries. Course Information: Additional course fees apply.

**ATH 541. Health, Wellness, and Exercise Applications for Athletic Training. 2 Hours.**

This course is designed to introduce the health, wellness, and strength training concepts necessary for athletic trainers. The student will learn the concepts of program design, flexibility training, strength training, balance, speed, agility and cardiovascular training. Assessment of general fitness concepts such as body composition, risk factors, weight management, and nutritional considerations will be incorporated to emphasize the importance of developing an individualized exercise program.

**ATH 542. Medical Conditions. 3 Hours.**

This course provides the student with knowledge of the pathophysiology, diagnostic techniques, and treatment protocols for the common medical conditions for each body system.

**ATH 545. Therapeutic Interventions III. 2 Hours.**

This course provides the student with foundational knowledge of the theories and principles related to pharmacological intervention utilized during injury and/or illness.

**ATH 549. Athletic Training Practicum IV. 1 Hour.**

In this course, the student will complete supervised fieldwork experiences in a general medical setting. Course Information: Additional course fees apply.

**ATH 551. Advanced Techniques in Athletic Training Practice. 2 Hours.**

This course offers the student the opportunity to learn the advanced techniques utilized in the practice of athletic training. The specific techniques of the course will be modified as needed based on the current Athletic Training Practice Analysis and CAATE curricular content standards.

**ATH 552. Gait, Posture, and Movement Assessment. 2 Hours.**

This course will provide the student with a comprehensive approach to assess and manage common pathomechanical patterns in gait, posture, and movement. Common diagnostic and rehabilitative techniques will be incorporated throughout the course.

**ATH 555. Therapeutic Interventions IV. 2 Hours.**

This course provides the student with foundational knowledge of the theories, principles, and applications of interventions utilizing therapeutic modalities and rehabilitation for spinal conditions. Focus will include designing and planning therapeutic interventions according to evidence-based protocols.

**ATH 556. Athletic Training Administration. 3 Hours.**

This course provides the student with knowledge and skills needed to administrate an athletic training facility. The student will gain knowledge in pre-participation screening, legal issues, emergency planning, record keeping, facility design, and budgetary strategies.

**ATH 557. Clinical Proficiency Integration III. 1 Hour.**

This course is designed to test the proficiency of the athletic training student on the curricular content standards, as outlined by the Commission on the Accreditation of Athletic Training Education (CAATE). Competencies for this course include but are not limited to: the recognition and management of common medical conditions; health, wellness, and conditioning applications; psychosocial and cultural concepts; functional movement, and therapeutic exercise.

**ATH 559. Athletic Training Practicum V. 2 Hours.**

In this course, the student will complete supervised fieldwork experiences with an equipment intensive sport. Course Information: Additional course fees apply.

**ATH 561. Contemporary Management and Leadership in Healthcare. 2 Hours.**

The focus of this course is two-fold. First, this course provides the student with the knowledge and skills necessary to be a healthcare professional practicing athletic training as a life-long learner. Second, this course introduces the student to the inter-professional nature of today's healthcare environment. Activities incorporating additional healthcare providers will be emphasized throughout the course.

**ATH 567. Clinical Proficiency Integration IV. 1 Hour.**

This course is designed to test the proficiency of the athletic training student on the curricular content standards as outlined by the Commission on the Accreditation of Athletic Training Education (CAATE). Competency for each student will be assessed and addressed in a personalized manner.

**ATH 568. Applied Research II. 1 Hour.**

In this course, the student will apply evidence-based practice concepts by implementing a research protocol, collecting data, analyzing the data collected and drafting a research abstract and manuscript for professional submission.

**ATH 569. Athletic Training Practicum VI. 3 Hours.**

In this course, the student will complete supervised fieldwork experiences in a practice-intensive setting that allows the student to experience the totality of care provided by athletic trainers and emphasizing therapeutics interventions. These fieldwork experiences will be for the entire semester and will utilize student input and future employment interest to help determine clinical placement. Course Information: Additional course fees apply.

**ATH 595. Graduate Seminar in Athletic Training. 2 Hours.**

Taken during the last semester of studies, this course integrates the course work and practicum experiences to ensure the student possesses the clinical decision making skills to complete a comprehensive assessment exam of the knowledge, skills, and abilities in athletic training. Approval of Program Director is required.

**ATH 596. Continuing Enrollment in Graduate Seminar. 0 Hours.**

The student who takes ATH 595 and does not pass the comprehensive assessment exam of the knowledge, skills, and abilities in athletic training while enrolled, must register for ATH 596 for zero credit hours (one billable hour) each fall and spring until the exam is passed. Course Information: Prerequisites: ATH 595.