

# Athletic Training (ATTR)

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## Courses

### **ATTR 5111. Evidence Based Practice in Athletic Training I. 1 Hour.**

This course is an introduction to evidence-informed practice principles for clinician-scholars including developing clinical questions, understanding the hierarchy of research, applying critical appraisal to evidence, describing quality improvement principles, and applying statistics principles when reading research literature. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Summer)

### **ATTR 5122. Intervention and Care Planning I. 2 Hours.**

This course will serve as foundational concepts and terminology for interventions and care planning in athletic training and will include content related to medical terminology, disablement framework, clinical reasoning habits, components of the history and physical examination, documentation, injury healing, & tissue mechanics. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Summer)

### **ATTR 5133. Core Competencies and Clinical Care I. 3 Hours.**

This course will serve as an introduction to the athletic training program procedures, policies, and application of preventative and protective strategies in patient/client care. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Summer)

### **ATTR 5141. Professional Identity Formation. 1 Hour.**

This course will provide knowledge and skills related to professionalism and interprofessional education/practice. Concepts covered will include professional identity formation and professionalism, ethical considerations, professional longevity and interprofessional practice. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Summer)

### **ATTR 5151L. Intervention and Care Planning II Lab. 1 Hour.**

This course will cover skills related to interventions and care planning in athletic training and will include rehabilitation and modalities applications, care planning and interventions for impairments with a focus on lower extremity conditions. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Fall)

### **ATTR 5153. Intervention and Care Planning II. 3 Hours.**

This course will present topics related to interventions and care planning in athletic training and will include rehabilitation & modalities theory, care planning & interventions for impairments with a focus on lower extremity conditions. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Fall)

### **ATTR 5161. Evidence Based Practice in Athletic Training II. 1 Hour.**

This course continues evidence-informed practice principles for clinician-scholars including evidence-based practice and statistics concepts for diagnostics & interventions and quality improvement. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Fall)

### **ATTR 5172. Core Competencies and Clinical Care II. 2 Hours.**

This course is designed to provide the student with clinical education experiences and applications of emergency care and critical incident management in patient/client care and continued emphasis on prevention topics. Prerequisite: Admission to the graduate program in athletic training. (Typically offered: Fall)

### **ATTR 5181. Evidence Based Practice in Athletic Training III. 1 Hour.**

This course completes evidence-informed practice principles for clinician-scholars including evidence-based practice and statistics concepts for prevention research and epidemiology. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

### **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. Emergency Procedures. 3 Hours.**

This course will serve as a theory, laboratory and clinical experiences designed to provide students with formal instruction and skills development regarding curricular content related to emergency care of injuries/illnesses with a focus on team-based and inter-professional strategies for responding to emergencies. Corequisite: Lab component. Prerequisite: Admitted to the graduate program in athletic training. (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: Fall)

### **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 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: Admitted to the graduate program in athletic training. (Typically offered: Spring)

### **ATTR 5281L. Primary Care Lab. 1 Hour.**

This course will cover skills related to the examination and management of medical illnesses/conditions in physically active individuals across the lifespan. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

### **ATTR 5283. Primary Care. 3 Hours.**

This course is a study of medical illnesses/conditions in physically active individuals across the lifespan with a focus on prevention, recognition, physical examination, management including medications, and referral of common conditions. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

**ATTR 5314. Clinical Anatomy for Athletic Trainers. 4 Hours.**

Instruction of human anatomy for the athletic training professional using lecture, diagrams, textbook readings, labs, and demonstrations. Focus will be placed on anatomy of structures related to athletic and orthopedic injuries. This course will prepare students in the evaluation, treatment, and rehabilitation of injuries in a variety of athletic training and clinical settings. Corequisite: Lab component. Prerequisite: Admitted to the graduate program in athletic training or instructor consent. (Typically offered: Summer)

**ATTR 5332. Core Competencies and Clinical Care III. 2 Hours.**

This course is designed to provide the student with clinical education experiences and applications of musculoskeletal injury evaluation and care plans in complex patient cases and continued emphasis on professional development and clinician longevity. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

**ATTR 5341L. Intervention and Care Planning III Lab. 1 Hour.**

This course will cover skills related to interventions and care planning in athletic training and will include rehabilitation & modalities applications, care planning & interventions for activity limitations with a focus on upper extremity conditions and post-operative cases. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

**ATTR 5342. Intervention and Care Planning III. 2 Hours.**

This course will present topics related to interventions and care planning in athletic training and will include rehabilitation & modalities applications, care planning & interventions for activity limitations with a focus on upper extremity conditions, long-term post-operative cases, and complex cases. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

**ATTR 5361L. Upper Extremity Evaluation Lab. 1 Hour.**

Athletic Training Students practice, apply and synthesize knowledge and skills from the injury prevention and upper extremity injury evaluation domains with a physically active population. This course provides the student with the formal instruction and evaluation of the psychomotor skills necessary for upper extremity assessment. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)

**ATTR 5362. Evaluation Techniques of Athletic Injuries - Upper Extremity. 2 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: Admitted to the graduate program in athletic training. (Typically offered: Spring)

**ATTR 5371L. Lower Extremity Evaluation Lab. 1 Hour.**

Athletic Training Students practice, apply and synthesize knowledge and skills from the injury prevention and lower extremity injury evaluation domains with a physically active population. This course provides the student with the formal instruction and evaluation of the psychomotor skills necessary for lower extremity assessment. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Fall)

**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 5422. Sport and Nutrition. 2 Hours.**

This course is designed to cover concepts and skills related to nutrition and hydration for healing, performance enhancement/recovery and weight gain/loss in patients/clients. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Summer)

**ATTR 5431. Sport-Related Concussion and Behavior. 1 Hour.**

The Sport-Related Concussion and Behavior course will immerse you in specific topics pertaining study to the study of human brain-behavior relationships. The course will focus on sports-related concussion in youth, collegiate, and professional athletes, with an emphasis on how athletes sustain concussions, how concussions are assessed, treated, and managed, and how return-to-play decisions are made. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Summer)

**ATTR 5442. Core Competencies and Clinical Care IV. 2 Hours.**

This course is designed to provide the student with clinical education experiences and applications of recognizing and managing emergent mental health concerns in patients/clients with continued emphasis on professional development and clinician longevity. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Summer)

**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 and Leadership 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: 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)

**ATTR 5501. Patient-Centered Care. 1 Hour.**

This course will cover concepts related to patient advocacy, cultural competency, cultural humility, health literacy and social determinants of health in regard to patient/client care. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Summer)

**ATTR 5532. Behavioral Health I. 2 Hours.**

This course provides the student with knowledge and skills related to behavioral health and patient-oriented aspects of clinical care. Topics include but are not limited to understanding mental health emergencies and critical incident plans, behavioral health screening, behavior change theory, and patient advocacy. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Fall)

**ATTR 5542. Behavioral Health II. 2 Hours.**

This course provides the student with knowledge and skills related to behavioral health and patient-oriented aspects of clinical care. Topics include but are not limited to concepts of mental health and rehabilitation due to forced inactivity, antecedents to injury, cognitive appraisal, and psychological skills applications. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Fall)

**ATTR 5611. Performance Enhancement. 1 Hour.**

This course is designed to provide an overview of performance enhancement principles in patients/clients who participate in sport and physical activity. Emphasis is placed on creating relationships with strength conditioning specialists in transitioning patients from care in the clinic to the field. Prerequisite: Admitted to the graduate program in athletic training or instructor consent. (Typically offered: Spring)

**ATTR 5621. Sport Science. 1 Hour.**

This course is designed to provide an overview of sports science principles and applications in physical activity for risk mitigation, return to play and health outcomes. Prerequisite: Admitted to the graduate program in athletic training or instructor consent. (Typically offered: Spring)

**ATTR 5631. Prevention and Wellness. 1 Hour.**

This course is designed to provide the student with content regarding risk mitigation strategies and prevention programming for physical activity; public health concepts related to care, and management strategies for long term conditions. Prerequisite: Admitted to the graduate program in athletic training. (Typically offered: Spring)