# ATTR - ATHLETIC TRAINING

## ATTR 642 Clinical Decision Making and Evidence Based Practice I

**Credit 1. 2 Lab Hours.** Application of the evidence-based approach to clinical practice and decision making based on real patient cases as part of clinical rotations in addition to simulated cases; clinical competencies coordinated with concurrent courses to link theory into practice.

## ATTR 643 Clinical Decision Making and Evidence Based Practice II

**Credit 1. 2 Lab Hours.** Application of the evidence-based approach to clinical practice and decision making based on real patient cases students encounter as part of clinical rotations in addition to simulated cases; clinical competencies coordinated with concurrent courses to link theory into practice.

## ATTR 645 Corrective Techniques and Progressive Exercise for Return to Function

**Credit 1. 2 Lab Hours.** Focus on corrective techniques to restore movement patterns; development of sequential and progressive rehabilitation programs for return to function.

## ATTR 646 Transition to Practice

**Credit 1. 2 Lab Hours.** Culmination and integration of all previous clinical courses in preparation to transition to practice; fulfillment of athletic training domains and competencies. **Prerequisites:** Concurrent enrollment in ATTR 656.

## ATTR 650 Emergency Management

**Credits 2. 1 Lecture Hour. 2 Lab Hours.** Focus on evaluation and management of patients with acute conditions, including triaging conditions that are life threatening or otherwise emergent and could lead to sudden death; topics include identification of risk factors and preparation of emergency action plans in collaboration with other health care and wellness professionals. **Prerequisites:** Enrollment in the MS athletic training program.

## ATTR 651 Clinical Education I

**Credit 1. 0 Lecture Hours. 1 Other Hour.** Immersive supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidenced based care.

## ATTR 652 Clinical Education II

**Credits 2. 0 Lecture Hours. 2 Other Hours.** Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 651; concurrent enrollment in ATTR 642.

## ATTR 653 Clinical Education III

**Credits 2. 0 Lecture Hours. 2 Other Hours.** Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 652; concurrent enrollment in ATTR 643.

## ATTR 654 Clinical Education IV

**Credits 2. 0 Lecture Hours. 2 Other Hours.** Immersive supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidenced based care. **Prerequisite:** ATTR 653.

## ATTR 655 Clinical Education V

**Credits 2. 2 Other Hours.** Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 654; concurrent enrollment in ATTR 645.

## ATTR 656 Clinical Education VI

**Credits 2. 0 Lecture Hours. 2 Other Hours.** Supervised clinical experience in a healthcare setting; integration of clinical competencies and clinical decision making into patient centered evidence based care. **Prerequisite:** ATTR 655; concurrent enrollment in ATTR 646.

## ATTR 660 Foundations of Athletic Training Practice

**Credits 2. 2 Lecture Hours.** Professional roles and responsibilities of the athletic trainer in healthcare; core competencies in healthcare; concepts of the disablement model; identification of and control of risks to participants; concepts of best practice as applied to clinical problems. **Prerequisite:** Enrollment in MS Athletic Training program.

## ATTR 661 Essential Clinical Skills

**Credits 2. 1 Lecture Hour. 2 Lab Hours.** Exploration of essential athletic training skills for application in various patient care settings; focus on the selection, fabrication and application of prophylactic, assistive and restrictive devices; development of basic musculoskeletal examination skills including patient history and documents; development of skills related to conducting pre-participation examinations.

## ATTR 662 Clinical Examination and Diagnosis - Lower Extremity and Spine

**Credits 4. 3 Lecture Hours. 3 Lab Hours.** Pathomechanics, clinical examination, diagnosis and appropriate medical referral of orthopedic injuries and other conditions to the lower extremity and spine.

## ATTR 664 Clinical Examination and Diagnosis - Upper Extremity, Cervical Spine and Head

**Credits 4. 3 Lecture Hours. 3 Lab Hours.** Pathomechanics, clinical examination, diagnosis and appropriate medical referral of orthopedic injuries and other conditions to the upper extremity, cervical spine and head.

## ATTR 666 Therapeutic Intervention II - Therapeutic Exercise

**Credits 4. 3 Lecture Hours. 3 Lab Hours.** The study of physical rehabilitation theory and techniques used as a therapeutic intervention for orthopedic injuries and conditions.

## ATTR 668 Therapeutic Intervention I - Therapeutic Modalities

**Credits 4. 3 Lecture Hours. 3 Lab Hours.** Focus on the study of theories and principles in the use of various therapeutic interventions to treat injuries to the physically active; focus on the timing and healing phases as indicators of appropriate interventions and in relation to therapeutic modalities and therapeutic exercise to formulate injury care plans.

## ATTR 670 General Medical Conditions and Therapeutic Medication

**Credits 2. 2 Lecture Hours. 1 Lab Hour.** Pathophysiology, assessment, and appropriate intervention and referral for general medical conditions and disabilities; common diagnostic tests and imaging assessment tools including commonly used therapeutic medications. **Prerequisite:** Enrollment in MS Athletic Training program.

## ATTR 671 Healthcare Administration, Management, and Delivery Strategies in Athletic Training

**Credits 3. 3 Lecture Hours.** Administration and allocation of athletic training healthcare services and delivery strategies including informatics, risk management, communication, quality improvement, and policy and procedures of healthcare systems; examination of resource acquisition, budgetary models, and financial considerations.

## ATTR 672 Professional Preparation and Issues in Athletic Training

**Credits 3. 3 Lecture Hours.** Knowledge and skills for successful pursuit of athletic training credentials, employment and continuing professional competencies; emphasis on current topics and issues contributing to the professional preparation of athletic training. **Prerequisite:** Enrollment in MS Athletic Training program.

## ATTR 673 Therapeutic Interventions III - Manual Therapy

**Credits 2. 2 Lecture Hours. 1 Lab Hour.** Manual therapy theory and techniques used as a therapeutic intervention for orthopedic injuries and conditions; indications and contradictions for the use of manual therapy; development of skills in soft tissue assessment; application of manual and tool assisted techniques.

## ATTR 674 Behavioral Health

**Credit 1. 1 Lecture Hour.** Focus on evidence-based, culturally competent care within the scope of practice for athletic trainers to identify, manage, and appropriately refer patients with behavioral health problems; emphasis on developing policies and procedures, available resources, and interprofessional collaboration.

## ATTR 675 Evidence Based Practice and Clinical Research

**Credits 3. 3 Lecture Hours.** Principles and methods of research in athletic training practice to enhance clinical decision-making and problem-solving skills by implementation of evidence-based practice methods, including defining clinical questions, searching the literature, critically appraising the literature and implementation of new treatment plans based on the latest evidence.

## ATTR 676 Performance Enhancement in Sport

**Credits 3. 3 Lecture Hours.** Focus on the development of comprehensive programs that are safe and effective to minimize injury and maximize sport performance and overall health; emphasis on fluids and nutrients, strength training and conditioning, functional movement screening as well as the selection and use of biometrics and physiological monitoring systems. **Prerequisites:** Enrollment in MS athletic training program.

## ATTR 677 Research Capstone

**Credits 3. 3 Lecture Hours.** Conduction of faculty-supervised small group research projects including formulation of a research question, research design, data collection, data analysis and manuscript preparation; participation in presentation of the project at a formal graduate research colloquium.

## ATTR 689 Special Topics in...

**Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.** Selected topics in an identified area of athletic training. May be repeated for credit. **Prerequisites:** Approval of department head.