

Course Descriptions Masters of Athletic Training (MAT)

ATTR 500 Gross Anatomy for Athletic Training **3 credit hours**

This will be an in-depth study of human anatomy and physiology as it relates to human movement. Emphasis will be placed on the musculoskeletal and nervous systems, but all systems will be reviewed. This course will require cadaver dissection and study.

Pre-requisites: None

ATTR 501 Introduction to Athletic Training **3 credit hours**

This course is designed to provide knowledge related to the prevention and basic care of pathologies common to active populations. Topics include epidemiology, pre-participation screening, environmental conditions, protective devices and procedures, mechanisms of injury, tissue response to injury, and basic documentation procedures.

Pre-requisites: None

ATTR 502 Emergency Care of Athletic Injuries **3 credit hours**

This course will cover on-the-field and clinical emergency procedures including CPR, AED, control of bleeding, and basic health assessment. In this course students will gain foundational clinical athletic training skills. Upon completion of the course, students will also be able to apply immobilization devices, taping, bracing, and ambulatory aids with patients.

Pre-requisites: None

ATTR 511 Orthopedic Assessment I – Lower Extremity **3 credit hours**

This course provides a review of human anatomy of the lower extremity as it relates to injuries during physical activity and sport. An in-depth study of injuries to the lower extremity including mechanism/etiology, signs, symptoms, treatment, and management will be undertaken. Evaluation procedures will be presented, reviewed, practiced, and evaluated.

Pre-requisites: ATTR 501

ATTR 601 Therapeutic Interventions I - Modalities **3 credit hours**

The course serves to provide the athletic training student with an understanding of the underlying physics, physiological effects, indications, contraindications, and techniques of application necessary to select and utilize commonly applied therapeutic modalities in the allied health care setting.

Pre-requisites: ATTR 501

ATTR 06202 Psychology of the Athlete **3 credit hours**

This course is a detailed study of the psychological and emotional aspects of competition and its social stress, with focus on approaches to knowledge, goal setting, stress management, psychological skills training, and review of current research.

Pre-requisites: None

ATTR 512 Orthopedic Assessment II – Upper Extremity

3 credit hours

This course provides a review of human anatomy of the upper extremity as it relates to injuries during physical activity and sport. An in-depth study of injuries to the upper extremity including mechanism/etiology, signs, symptoms, treatment, and management will be undertaken. Evaluation procedures will be presented, reviewed, practiced, and evaluated.

Pre-requisites: ATTR 511

ATTR 605 Therapeutic Interventions II - Rehabilitation

3 credit hours

This course serves to provide the athletic training student with the theory, and clinical skills necessary to design and implement rehabilitative regimens for individuals injured while participating in sport or physical activity. Students will learn to apply therapeutic principles to rehabilitation protocols according to phase of tissue healing/repair and indications/contraindications.

Pre-requisites: ATTR 601

ATTR 513 Orthopedic Assessment III – Head and Spine

3 credit hours

This course provides a review of human anatomy of the head and spine as it relates to injuries during physical activity and sport. An in-depth study of injuries to the head and spine including mechanism/etiology, signs, symptoms, treatment, and management will be undertaken. Evaluation procedures will be presented, reviewed, practiced, and evaluated.

Pre-requisites: ATTR 512

ATTR 503 Pharmacology for Sport

3 credit hours

This course introduces students to legal and illegal substances designed to alter body chemistry, enhance performance, and promote healing. Indications, contraindications, and effects will be explored.

Pre-requisites: None

ATTR 05101 Research Methodology

3 credit hours

In this course, students learn to evaluate the scientific/clinical literature for validity of scientific findings as well as for clinical significance. Students will also learn how to identify a research problem, search and review the literature, design an experiment, collect and analyze data.

Pre-requisites: None

ATTR 620 General Medical Conditions in Sport

3 credit hours

This course focuses on pathology and common disorders of the organ systems. Focus is on etiology, signs, symptoms, evaluation, and treatment of such disorders. Students will be exposed to the appropriate knowledge base needed to perform basic assessments and make non-referral/referral decisions. Screening and determination of fitness for activity will also be considered. Labs in basic assessment and care procedures will be included.

Pre-requisites: None

ATTR 640 Leadership in Healthcare

3 credit hours

This course will focus on leadership skills for the athletic trainer. The course will discuss differences between leaders and managers, essential communication skills, working as a team, effective delegation strategies, critical decision-making, and facilitating work-life balance amongst supervisees. Multiple perspectives will be considered, as the course examines various definitions of leadership across various professions.

Pre-requisites: None

ATTR 641 Administration in Athletic Training

3 credit hours

This course serves to introduce the advanced level athletic training student to administrative practice issues in the profession. Introduction to concepts concerning management, personnel, and budgeting. In depth focus concerning those concepts as they apply specifically to the athletic training setting and the delivery of health care to the physically active. Additional study of record keeping, insurance, emergency care planning, public relations, facility design, and the use of computers.

Pre-requisites: ATTR 640

ATTR 660 Research Project for Athletic Training

3 credit hours

The student will complete a culminating evidence-based project related to the field of athletic training. Options will include, but are not limited to, case studies, literature review, group research project, etc.

Pre-requisites: RMET 05101

ATTR 570 Athletic Training Practicum I

3 credit hours

Clinical experience under the supervision of an athletic trainer with associated follow-up classroom meetings. Application of current topics for the student will be covered.

Pre-requisites: None

ATTR 580 Athletic Training Practicum II

3 credit hours

Clinical experience under the supervision of an athletic trainer with associated follow-up classroom meetings. Application of current topics for the student will be covered.

Pre-requisites: ATPR 570

ATTR 690 Athletic Training Practicum III

3 credit hours

Clinical experience under the supervision of an athletic trainer with associated follow-up classroom meetings. Application of current topics for the student will be covered.

Pre-requisites: ATPR 580

ATTR 699 Athletic Training Immersive Clinical Experience

6 credit hours

This course is designed to give students an opportunity to work in an athletic training clinical setting so that they may understand the day-to-day operation of the clinic. The student will complete this experience during their last 1 of their last 2 trimesters in the program.

Pre-requisites: None