

ATHLETIC TRAINING (ATP)

ATP 600: Emergency Care

This course prepares the athletic training student to respond to medical emergencies and acute conditions in physical activity settings. Through successful completion students will be able to perform lifesaving procedures at the professional rescuer level, practice universal precautions, prevent transmission of disease and become proficient in using automated external defibrillators. Upon successful completion of the course, the students will become Certified Emergency Medical Response Instructors Prerequisite: Admission into the Master of Science in Athletic Training program.

Credits: 4

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lab, Lecture, Lecture/Lab

ATP 601: Curr Concepts in Emer Care- AT

Credits: 1

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture

ATP 602: Scientific Inquiry & Writing

Credits: 1

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture

ATP 605: Fundamentals of Athl Training

This course is designed to introduce students to the profession of Athletic Training. This course provides an introduction to injury prevention, recognition, and treatment strategies. Injury prevention principles, injury classification, and common injuries will be surveyed. Prerequisites: Have met all admission criteria for the Master of Science in Athletic Training Program

Credits: 4

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lab, Lecture, Lecture/Lab

ATP 610: Basics of Rehabilitation

This course will introduce the student to basic clinical skills and problem-solving abilities to be built upon in future course work. It is designed to introduce the student to hands-on patient care skills in a laboratory setting. These skills include but not limited to: assessment of vital signs; principles of body mechanics; range of motion and manual muscle testing assessment; transfers; assistive device fitting and education; gait assessment and training. The students will also have the opportunity to apply this knowledge immediately during clinical experiences. Prerequisites: Admission into the Master of Science in Athletic Training Program

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture

ATP 615: Functional Human Anatomy

This course provides an in-depth study of musculoskeletal anatomy and function as it applies to human performance and dysfunction. Emphasis will be placed on the study of the structure and functional significance of the human body - with emphasis on neural, musculoskeletal and cardiopulmonary systems. This course will provide an introduction to clinical application of relevant anatomy, with respect to some common conditions seen in the health/medical profession. Prerequisites: "B-" or better in BIO 201, BIO 201L, BIO 202, and BIO 202L. Have met all admission criteria for the Master of Science in Athletic Training program

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture

ATP 620: Practicum I

This course is designed to provide introductory hands-on experience in the field of Athletic Training. Upon completion, the student will have a novice understanding of the recognition, evaluation and treatment of injuries and illnesses. Under the direct supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in clinically. A minimum of 250 and maximum of 300 clinical hours is required to earn credit for the class. The student shall not work more than 20 hours/week or greater than 6 days in a row. Prerequisites: Admission to the Master of Science in Athletic Training Program

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture, Rotation

ATP 625: Prev, Eval & Treat of Ath Inj I

A systematic approach to orthopedic/sports assessment and rehabilitation will be examined. The upper extremity will be studied in-depth stressing anatomy, neurology, physiology, etiology, pathology, assessment and rehabilitation techniques. This course will also examine the knowledge, skills and values the entry-level Athletic Trainer must possess to plan, implement, document and evaluate the efficacy of therapeutic exercise programs for the rehabilitation and reconditioning of upper extremity injuries and illnesses of athletes and the physically active. Assessment techniques will be presented and discussed in a didactic manner as well as applied through lab experiences.

Credits: 4

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lab, Lecture, Lecture/Lab

ATP 630: Therap Modalities for Ath Train

This is a comprehensive course in the theory and use of therapeutic modalities in a sports medicine setting. Students will learn about the injury response cycle and healing process and how to incorporate modalities to these processes. The student will have an in-depth understanding of the physiology behind the therapeutic effects. Students will become proficient as far as application, electrode placement, patient set-up and parameters of modalities used in sports medicine. Principles of neurophysiology, pain control, and the electromagnetic and acoustic spectra will be discussed and applied through lab experiences.

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lab, Lecture, Lecture/Lab

ATP 635: Human Phys: Exer, Nutri & Perf

This course provides an in-depth structure/function relationship of the neuromuscular, metabolic, cardiorespiratory and hormonal responses to acute exercise and the physiological adaptations to chronic exercise. Topics include thermoregulation, ergogenic aids, body composition, sport training, growth and development, and aging.

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture, Lecture/Lab

ATP 640: Practicum II Athl Injuries I

This clinical rotation allows for the student to gain more hands-on clinical experience in the profession of Athletic Training outside of the classroom and in the clinical setting. This rotation is designed to provide the athletic training student hands-on experiences with which to understand, recognize, evaluate, and treat athletic injuries and illnesses using the range of skills required of an athletic training professional. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting. Students will be expected to begin to understand and demonstrate the knowledge and skills identified in the Standards as designated by the CAATE and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 250 clinical hours is required to earn credit for the class

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture, Lecture/Lab, On-Line

ATP 645: Motor Contrl & Humn Move Train

This course guides the study of the principles of motor skill performance and learning and the application of these theories to physical activities, learners and various environments. This course will also examine the structural and mechanical principles involved in human movement and the contribution of these principles to the efficiency of human movement.

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture, Lecture/Lab

ATP 660: Specilty Practicm in Ath Train

This 6-week clinical rotation allows for student to gain advanced clinical experience in the profession of Athletic Training outside of the classroom and in the clinical setting. This rotation is designed to provide the athletic training student with immersive hands-on experiences with which to understand, recognize, evaluate, and treat NON-athletic and NON-orthopedic injuries and illnesses as required by CAATE standards using a range of skills required of an athletic training professional. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting in an immersive manner. Students will be expected to integrate and apply knowledge and skills identified in the Standards as designated by the CAATE and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 240 and maximum of 420 clinical hours is required to earn credit for the class. The student shall not work more than 70 hours/week and greater than 6 days in a row.

Credits: 2

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture, Rotation

ATP 661: Practicum III Ath Injuries I

This 8-week full-immersion clinical rotation allows for student to gain advanced clinical experience in the profession of Athletic Training outside of the classroom and in the clinical setting. This rotation is designed to provide the athletic training student with immersive hands-on experiences with which to understand, recognize, evaluate, and treat athletic injuries and illnesses using the range of skills required of an athletic training professional. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting in an immersive manner. Students will be expected to integrate and apply knowledge and skills identified in the Standards as designated by the CAATE and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 320 and maximum of 560 clinical hours is required to earn credit for the class. The student shall not work more than 70 hours/week and greater than 6 days in a row. The schedule is an effort to replicate a full-time certified athletic trainer's employment experience but with weekly work hour limitations.

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture, Rotation

ATP 662: Practicum IV

This 8-week full-immersion clinical rotation allows for student to gain advanced clinical experience in the profession of Athletic Training outside of the classroom and in the clinical setting. This rotation is designed to provide the athletic training student with immersive hands-on experiences with which to understand, recognize, evaluate, and treat athletic injuries and illnesses using the range of skills required of an athletic training professional. Under the supervision of a preceptor, the student will be challenged to transfer knowledge learned didactically and apply it in the clinical setting in an immersive manner. Students will be expected to integrate and apply knowledge and skills identified in the Standards as designated by the CAATE and its eight content areas: Evidence-Based Practice; Prevention and Health Promotion; Clinical Examination and Diagnosis; Acute Care of Injury and Illness; Therapeutic Interventions; Psychosocial Strategies and Referral; Healthcare Administration; and Professional Development and Responsibility. A minimum of 320 and maximum of 560 clinical hours is required to earn credit for the class. The student shall not work more than 70 hours/week and greater than 6 days in a row. The schedule is an effort to replicate a full-time certified athletic trainer's employment experience but with weekly work hour limitations.

Credits: 3**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture, Lecture/Lab, On-Line**ATP 665: Prev, Eval, Treat of Inj II-LowEx**

A systematic approach to orthopedic/sports assessment and rehabilitation will be examined. The lower extremity will be studied in-depth stressing the anatomy, neurology, physiology, etiology, pathology, assessment and rehabilitation techniques. This course will also examine the knowledge, skills and values the entry-level Athletic Trainer must possess to plan, implement, document and evaluate the efficacy of therapeutic exercise programs for the rehabilitation and reconditioning of lower extremity injuries and illnesses of athletes and others involved in physical activity. Assessment techniques will be presented and discussed in a didactic manner as well as applied through lab experiences

Credits: 4**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lab, Lecture, Lecture/Lab**ATP 670: Prev, Eval, Treat of Inj-III-Spn**

A systematic approach to orthopedic/sports assessment and rehabilitation will be examined. The head, neck and spine will be studied in-depth stressing the anatomy, neurology, physiology, etiology, pathology, assessment and rehabilitation techniques. This course will also examine the knowledge, skills and values the entry-level Athletic Trainer must possess to plan, implement, document and evaluate the efficacy of therapeutic exercise programs for the rehabilitation and reconditioning of the head, neck and spine injuries and illnesses of athletes and others involved in physical activity. Assessment techniques will be presented and discussed in a didactic manner as well as applied through lab experiences.

Credits: 4**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lab, Lecture, Lecture/Lab**ATP 675: Strength and Conditioning**

This course includes a functional, scientific approach to the design of strength and conditioning programs. Includes testing protocols used for measuring fitness, body composition, posture, flexibility, muscular strength, power, speed, and endurance. General fitness, wellness, and sports nutrition concepts and dietary supplements will be discussed.

Credits: 3**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture, Lecture/Lab**ATP 680: Medical & Professional Ethics**

Medical and Professional Ethics Understanding the philosophical principles related to biomedical ethics, patient-practitioner relationships and the role of the physician assistant provider within the health care system are the main topics encompassed in this lecture and discussion seminar course.

Credits: 2**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture**ATP 685: Org & Admin in Ath Training**

Design to educate student on topics that focus on understanding the dynamics of a complex healthcare system with regards to the delivery and management of individualized patient care, Principles of organization and administration of athletic training programs; management of personnel; legal aspects; relation of athletic trainer to athletic programs and sports medicine team.

Credits: 2**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture**ATP 690: Gen Med Conditions & Pharm in AT**

This course provides the student a thorough understanding of injury, illness and/or disease of various body systems; specific understanding of medical diagnostics, interventions (including pharmacology) and participation considerations for the athletic population are addressed. The student will be able to recognize, assess, differentially diagnose, know when to refer and treat different illness/condition in patient populations through various learning modalities including but not limited to lectures, hands on skills, laboratory experiences, and so on.

Credits: 3**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture**ATP 691: Research-Collaborative Proj I**

This course will give students valuable experience in research design, data collection and/or analysis by playing an integral role in a faculty sponsored research project or collaborating with graduate or undergraduate students from another program on a collaborative project relevant to sport medicine anywhere on campus.

Credits: 1**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture, On-Line**ATP 692: Research-Collaborative Proj II**

This course is a continuation of Research/Collaborative Project. Students will finish their research projects and focus on writing their manuscript for a peer reviewed journal. This course is designed for the student to collaborate with other students/faculty from different departments on campus to complete their projects. Writing intensive.

Credits: 1**College:** Jefferson College of Rehabilitation Sciences**Schedule Type:** Lecture

ATP 695: Psych Aspects of Injury& Rehab

This course focuses on understanding the psychological factors relative to exercise, injury, inactivity, and rehabilitation following injury. Strategies for identifying problems, intervening, and making referral are presented.

Credits: 3

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture

ATP 696: Special Topics in Ath Training

An in-depth study of particular topics, contemporary issues or concerns in Athletic Training. The course will be taught by a specialist(s) in the field related to the topic.

Credits: 2

College: Jefferson College of Rehabilitation Sciences

Schedule Type: Lecture