

# Athletic Training (AT)

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## Courses

### **AT 5585 Independent Problems in Athletic Training: 1-3 semester hours.**

Individual work under staff guidance. Field and/or library research on specific athletic training topics. May be repeated up to 6 credits.

### **AT 6600 Foundations of Athletic Training: 3 semester hours.**

Survey of the profession of Athletic Training. Injury prevention, assessment, treatment, taping, and rehabilitation of common athletic injuries will be presented. Lab included.

### **AT 6600L Foundations of Athletic Training Lab: 1 semester hour.**

Foundations of Athletic Training. The lab component will provide practical application of athletic training skills, including basic taping and bracing techniques, acute and emergency management, stretching, and equipment fitting and removal. COREQ: AT 6600.

### **AT 6602 General Medical Assessment: 2 semester hours.**

This course addresses current medical issues that pertain to athletic training and the physically active. Content includes sports pharmacology, physiological considerations, common illnesses and special concerns.

### **AT 6602L Pathophysiology and General Medicine Lab: 1 semester hour.**

Pathophysiology and General Medical Conditions. This course will focus on the practical application of diagnostic and assessment techniques for general medical conditions. Students will use auscultation, palpation, urinalysis, diabetic screening tools, anthropometric measurements, and otoscopes and ophthalmoscopes and calculate reliability amount groups. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies and apply these concepts in real-life scenarios. PREREQ: AT 6602

### **AT 6604 Continuum of Care I: Foot, Ankle, Lower Leg: 3 semester hours.**

This required course will focus on the key concepts of evaluation, diagnosis, and management of the foot, ankle, and lower leg sports-related injuries including physical examination, injury recognition, treatment, taping, bracing and rehabilitation methods. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies of musculoskeletal injuries in the lower extremity and apply these concepts in real-life athletic training scenarios. Lab included.

### **AT 6606 Continuum of Care II: Knee, Hip, Pelvis and Lumbar Spine: 4 semester hours.**

This required course will focus on the key concepts of evaluation, diagnosis, and management of knee, hip, pelvis, and lumbar spine sports-related injuries including physical examination, injury recognition, treatment, taping, bracing, and rehabilitation methods. Students will be able to use an evidence-base approach to identify, explain, and assess pathologies of musculoskeletal injuries in the lower extremity and apply these concepts in real-life athletic training scenarios. Lab included.

### **AT 6608 Continuum of Care III: Upper Extremity: 5 semester hours.**

This required course will focus on the key concepts of evaluation, diagnosis, and management of upper extremity sports-related injuries including physical examination, injury recognition, treatment, taping, bracing, and rehabilitation methods. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies of musculoskeletal injuries to the upper extremity and apply these concepts in real-life athletic training scenarios. Lab included.

### **AT 6610 Continuum of Care IV: Head, Neck, Cervical and Thoracic Spine: 4 semester hours.**

This required course will focus on the key concepts of evaluation, diagnosis, and management of the head, face, cervical and thoracic spine sports-related injuries including physical examination, injury recognition, treatment, taping, bracing, and rehabilitation methods. Students will be able to use an evidence-based approach to identify, explain, and assess pathologies of musculoskeletal injuries to the head, face, cervical and thoracic spine and apply these concepts in real-life athletic training scenarios. Lab included.

### **AT 6612 Introduction to Therapeutic Modalities and Exercise: 2 semester hours.**

Introduction to the use of therapeutic modalities, tissue response to injury, and the foundations of rehabilitation in the athletic training setting. Using an evidence-based approach, students will focus on how therapeutic modalities can enhance the healing response along with concepts, protocols, and theories of rehabilitation. Lab included.

### **AT 6614 Interprofessional Relationships and Trends in Athletic Training: 3 semester hours.**

Through the use of current literature and content experts in the field, this three-credit course will provide advanced information regarding clinically relevant topics related to athletic training and sports medicine practice.

### **AT 6616 Introduction to Pharmacology in Athletic Training: 1 semester hour.**

Introduces principles of drug therapy across the lifespan and the use of drugs as they pertain to the health care of athletes and their effect on athletic competition. An emphasis on the knowledge, skills and values required of the Athletic Trainer on pharmacological applications, including indications, contraindications, precautions, interactions, documentation and governing regulations relevant to the treatment of injury and illness in athletic training.

### **AT 6640 Research Methods in Athletic Training: 3 semester hours.**

Interpretation of statistical procedures and research designs commonly used in athletic training research. Prepares students to conduct research projects related to the field of athletic training. PREREQ: Permission of instructor.

### **AT 6645 Organization and Administration of Athletic Training: 3 semester hours.**

This course is designed to expose students to the organization and administration concepts of athletic training. Content includes management, leadership, legalities, historical perspectives, motivation, and technology.

### **AT 6651 Capstone Assessment: 1-3 semester hours.**

There are three semesters of AT 6651 Capstone Assessment courses. Together they represent a comprehensive assessment of learning over time of the students. Capstone Assessment in Spring I requires the student to prepare and submit a research project to the Institutional Review Board. Capstone Assessment in Fall II requires abstract submissions to the Northwest Athletic Trainers' Association and the National Athletic Trainers' Association for their annual conferences. Capstone Assessment in Spring II requires a final written manuscript submission-ready to a peer-review journal, an oral project defense, and a final oral practical exam before an examining committee. Students must take this course in each of the last 3 semesters of the program (for a total of 3 credits) in order to graduate.

### **AT 6661 Clinical Education in Athletic Training I: 4 semester hours.**

This course is the first of four clinical experiences in the athletic training curriculum in order to develop and enhance the practical skills and knowledge necessary for clinical practice. Students will review and demonstrate lower extremity injury evaluations, foundational athletic training skills, and emergency management techniques. It includes a 2-week immersive experience in August during preseason.

***AT 6662 Clinical Education in Athletic Training II: 3 semester hours.***

This course is the second of four clinical experiences in the athletic training curriculum in order to further develop and enhance the practical skills and knowledge necessary for clinical practices. Students will review and demonstrate lower extremity injury evaluations, rehabilitative athletic training skills, and decision-making for return to play.

***AT 6663 Clinical Education in Athletic Training III: 8 semester hours.***

This course is the third of four clinical experiences in the athletic training curriculum in order to further develop and enhance the practical skills and knowledge necessary for clinical practice. Students will review and demonstrate upper extremity injury evaluations, general medical athletic training skills, and evidence-based decision-making. It includes a 2-week immersive experience in August and continues throughout the fall semester.

***AT 6664 Clinical Education in Athletic Training IV: 3 semester hours.***

This course is the final clinical experience in the athletic training curriculum in order to further develop and enhance the practical skills and knowledge necessary for clinical practice. Students will review and demonstrate head, neck and spine injury evaluations and evidence-based decision-making.

***AT 6665 Clinical Experiences in Athletic Training V: 3 semester hours.***

Clinical experiences in athletic training.

***AT 6699 Experimental Course: 1-6 semester hours.***

The content of this course is not described in the catalog. Title and number of credits are announced in the Class Schedule. Experimental courses may be offered no more than three times with the same title and content. May be repeated.