# COURSE SEQUENCE

(effective Summer 2020)

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| --- | --- | --- | --- | --- | --- |
| **Summer I** | **Fall I** | **Spring I** | **Summer II** | **Fall II** | **Spring II** |
| AT 6600: Foundation of AT (3) | AT 6661: Clinical Education in AT I (4) | AT 6662: Clinical Education in AT II (3) | AT 6602:  Pathophysiology and General Medical Assessment (2) | AT 6663: Clinical Education in AT III (4) | AT 6664: Clinical Education in AT IV (3) |
| AT 6600L: Foundation of AT Lab (1) | AT 6606: Continuum of Care II: Knee, Hip, Pelvis, Lumbar Spine (5) | AT 6608: Continuum of Care III: Upper Extremities (5) | AT 6616:  Intro to Pharmacology in AT (1) | AT 6602L:  Pathophysiology and General Medical Assessment Lab (1) | AT 6614: Inter-professional Relationships and Trends in AT (3) |
| AT 6604: Continuum of Care I: Foot, Ankle, Lower Leg (3) | AT 6640: Research and Writing (3) | PE 5414: Athletic Performance Nutrition (3) |  | AT 6610: Continuum of Care IV: Head, Neck, Cervical and Thoracic Spine (5) | AT 6645: Organization and Administration of AT Programs (3) |
| AT 6612: Introduction to Therapeutic Modalities & Exercise (2) |  | AT 6651: Capstone Assessment (1) |  | AT 6651: Capstone Assessment (1) | AT 6651: Capstone Assessment (1) |
| **9 credits** | **12 credits** | **12 credits** | **3 credits** | **11 credits** | **10 credits** |

# ATHLETIC TRAINING COURSE DESCRIPTIONS

**AT 6600: Foundations of Athletic Training** (3 credits)

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 credit)

*Co-requisite:* AT 6600: 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.

**AT 6602: Pathophysiology and General Medical Assessment** (2 credits)

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 Medical Conditions in Athletic Training Lab** (1 credit)

*Prerequisite:* AT 6602: 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 opthalmoscopes and calculate reliability among 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.

**AT 6604: Continuum of Care I: Foot, Ankle, Lower Leg (3 credits)**

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 (5 credits)**

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-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 6608: Continuum of Care III: Upper Extremities** (5 credits)

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 in the lower extremity and apply these concepts in real-life athletic training scenarios. Lab included.

**AT 6610: Continuum of Care IV: Head, Face, Cervical and Thoracic Spine (5 credits)**

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, emergency treatment, neurological assessment, 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 6612: Introduction to Therapeutic Modalities and Exercise** (2 credits)

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 credits)

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 credit)

This online course addresses the pharmacological agents commonly used to treat musculoskeletal injuries and general medical illnesses.

**AT 6640 Research and Writing** (3 credits)

Identification and application of basic research methods used in athletic training. This evidence-based course will be the introduction to the research students will be participating in throughout the program.

**AT 6645: Organization and Administration of Athletic Training Programs** (3 credits)

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** (3 credits)

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 an oral presentation of a case study. Capstone Assessment in Fall II requires an oral and written presentation of a Grand Rounds topic. Capstone Assessment in Spring II requires an objective written exam 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 credits)

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 credits)

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 practice. 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** (4 credits)

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 during preseason that continues for 6 weeks into the fall.

**AT 6664: Clinical Education in Athletic Training IV** (3 credits)

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. It includes a 6-week immersive experience.

**PE 5414: Athletic Performance Nutrition** (3 credits)

Prerequisite: BIOL 3301 & BIOL 3301L or permission of the instructor. Review of nutritional requirements and strategies for optimal human performance across the lifespan.