# COURSES FOR HEALTH SCIENCE

## Athletic Training Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
<th>Description</th>
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<tbody>
<tr>
<td>ATR257</td>
<td>Intro to Athletic Training</td>
<td>3</td>
<td>The study of current principles in the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses.</td>
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<tr>
<td>ATR258</td>
<td>Clinical Fundamentals</td>
<td>1</td>
<td>The study and practice of clinical skills in the prevention, clinical evaluation and diagnosis, immediate care and treatment, rehabilitation and reconditioning of injuries and illnesses. Directed observations under the guidance of BOC certified athletic trainers.</td>
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<tr>
<td>ATR272</td>
<td>First Aid, Safety &amp; CPR</td>
<td>2</td>
<td>The discussion and practice of skills and techniques in the emergency response to injuries and illnesses. Includes emergency assessment, first aid, cardiopulmonary resuscitation for infants, children and adults and AED use.</td>
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<tr>
<td>ATR300</td>
<td>Foundations in Athl. Training</td>
<td>3</td>
<td>Study and discussion of topics and clinical skills related to the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses. Introduction to the organization and administration of athletic training programs.</td>
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<tr>
<td>ATR310</td>
<td>Clinical Skills I</td>
<td>1</td>
<td>Acquisition, evaluation, synthesis and application of clinical skills in the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses. Clinical experiences under the direct supervision of BOC Certified Athletic Trainers.</td>
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<tr>
<td>ATR320</td>
<td>Clinical Skills II</td>
<td>1</td>
<td>Acquisition, evaluation, synthesis and application of clinical skills in the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses with an emphasis on the lower extremities. Clinical experiences under the direct supervision of BOC Certified Athletic Trainers.</td>
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<tr>
<td>ATR357</td>
<td>Clinical Eval &amp; Diagnosis I</td>
<td>3</td>
<td>Study of the lower extremities as they relate to the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses. Prerequisite(s): ATR 257 and ATR 258 and ATR 272 and ATR 300 and ATR 310 and BSC 215 and BSC 216 and KIN 365 and ATR 320</td>
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<tr>
<td>ATR358</td>
<td>Clinical Eval &amp; Diagnosis II</td>
<td>3</td>
<td>Study of the upper extremities as they relate to the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses. Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101 and ATR 457 and ATR 410</td>
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<tr>
<td>ATR360</td>
<td>Clinical Eval &amp; Diagnosis III</td>
<td>3</td>
<td>Study of the head, neck, face, abdomen, thorax and thoracic and lumbar spines as they relate to the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses. Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101 and ATR 420 and ATR 456</td>
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<td>ATR410</td>
<td>Clinical Skills III</td>
<td>1</td>
<td>Acquisition, evaluation, synthesis and application of clinical skills in the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses with an emphasis on the upper extremity and the use of therapeutic modalities in the comprehensive patient care plan. Clinical experiences under the direct supervision of Preceptors. Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101 and ATR 358 and ATR 457</td>
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<td>ATR420</td>
<td>Clinical Skills IV</td>
<td>1</td>
<td>Acquisition, evaluation, synthesis and application of clinical skills in the prevention, clinical evaluation and diagnosis, immediate care and treatment, and rehabilitation and reconditioning of injuries and illnesses with an emphasis on the head, neck, face, thorax, abdomen and spine and the use of therapeutic exercises in the comprehensive patient care plan. Clinical experiences under the direct supervision of Preceptors. Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101 and KIN 492 and ATR 360 and ATR 456</td>
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Prerequisite(s) with concurrency: KIN 492 and ATR 360 and ATR 456
ATR430 Clinical Skills V  
Hours 1  
Acquisition, evaluation, synthesis and application of clinical skills in the prevention; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning of injuries and illnesses with an emphasis on acute and chronic medical conditions and their pharmacologic management within a well organized athletic training program. Clinical experiences under the direct supervision of Preceptors.  
Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 360 and ATR 410 and ATR 420 and ATR 453 and ATR 457 and ATR 454 and ATR 455 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101  
Prerequisite(s) with concurrency: ATR 454 and ATR 455  

ATR453 Appl Clin Res Skills  
Hours 3  
Acquisition, evaluation, synthesis and application of clinical, research and teaching skills in athletic training with an emphasis on clinical question development and the incorporation of evidence based practice in resolving clinical questions and developing and implementing patient care plans. Clinical experiences under the direct supervision of allied medical and medical professionals in a range of patient care settings. Offered summer semester.  
Prerequisite(s): ATR 300 and ATR 310 and ATR 357 and ATR 358 and ATR 360 and ATR 410 and ATR 420 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101  

ATR454 Org. Ad. Athletic Training  
Hours 3  
Current theories, methods and techniques in the organization and administration of athletic training programs.  
Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 420 and ATR 457 and ATR 453 and ATR 456 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101  

ATR455 Pharm Path Athl Training  
Hours 3  
The study of acute and chronic illnesses and their response to and the impact on, physical activity. Discussion of pharmacologic agents used in the management of common acute and chronic illnesses.  
Prerequisite(s): ATR 257 and ATR 258 and ATR 272 and ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 420 and ATR 453 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101  
Prerequisite(s) with concurrency: ATR 430 and ATR 454  

ATR456 Principles of Rehab & Recon  
Hours 3  
Methods, theories and techniques in the rehabilitation and reconditioning of injuries. The clinical evaluation and diagnosis of injuries relative to rehabilitation and reconditioning.  
Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101  
Prerequisite(s) with concurrency: ATR 360 and ATR 420 and KIN 492  

ATR457 Therapeutic Modalities  
Hours 3  
Current theories, methods and techniques in the application of therapeutic modalities during the treatment rehabilitation and reconditioning of injuries. The clinical evaluation and diagnosis of injuries relative to therapeutic modalities.  
Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365  
Prerequisite(s) with concurrency: PH 101 and ATR 358 and ATR 410  

ATR458 Seminar in Athl. Training  
W  
Hours 3  
Discussion of current issues in athletic training with an emphasis on research and the application of current research to the practice of athletic training. Writing proficiency within this discipline is required for a passing grade in this course.  
Prerequisite(s): ATR 300, ATR 310, ATR 320, ATR 357, ATR 358, ATR 360, ATR 410, ATR 420, ATR 430, ATR 453, ATR 454, ATR 455, ATR 456, ATR 457  
Writing  

ATR488 Internship in Athl Training  
Hours 1-12  
Directed internship in a health care facility for the senior athletic training student.  

ATR490 Anatomical Basis  
Hours 3  
An in depth review of the anatomical structures associated with common orthopaedic injuries. Cadaveric dissection and prospection review activities included.  

ATR496 Ind Study Athletic Training  
Hours 1-12  
Independent study of skills and topics in athletic training for the senior athletic training student.  

General Health Studies Courses  

HHE265 Safety and Injury Prevention  
Hours 3  
Among people 1-44 years of age, unintentional injury is the leading cause of death in the United States according to the centers for disease control and prevention (CDC). Even after age 44, unintentional injury remains among the top ten causes of mortality among Americans. Additionally, millions of Americans are injured each year and not die. For individuals that survive an injury, pain and disability can linger for years, if not for the rest of their lives. This course explores the complex nature of unintentional injuries while examining the impact of various prevention strategies.  
Prerequisite(s): NONE  
Prerequisite(s) with concurrency: NONE  

HHE270 Personal Health  
Hours 3  
A thoughtful discussion of individual, social, environmental, and political factors that influence personal health and well-being.
HHE273 Community And Public Health  
Hours 3  
Methods and techniques by which community health workers identify and measure the scope and intensity of health problems.

HHE370 Prin/Foundatn Health Promotion  
Hours 3  
The course examines the role of health education/health promotion and includes an orientation to the profession and consideration of current trends, problems, and issues in health education.  
Prerequisite(s): HHE 273

HHE378 Drug Awareness Education  
W  
Hours 3  
Introduction to topics associated with drug-taking behavior, emphasizing drug education. Physiological, psychological, and sociological aspects of drug-taking behavior are examined. Writing proficiency within this discipline is required for a passing grade in this course.  
Writing

HHE440 Understanding Stress Mgt  
Hours 3  
An examination of the psychophysiology of the stress response and indicators of excessive stress. Stress management techniques are examined and taught.

HHE445 Environmental Health  
Hours 3  
The course is designed to promote the acquisition of environmental health knowledge and skills for application in community/public health education settings. Course content will address environmental factors that affect human and ecological health and environmental health education and promotion strategies.

HHE446 Health Disparities  
Hours 3  
This course is designed to explore health disparities in the United States and throughout the world. Course content will address societal factors that have an impact on health disparities. The course focus will also address cultural competency and appropriate health education and promotion strategies.

HHE450 Introduction to Epidemiology for Health Education and Promotion  
Hours 3  
An introductory course in epidemiology designed to promote an understanding of the analysis and application of epidemiological data for students in health professions with a primary focus on health education and promotion.  
Prerequisite(s): HHE 270 HHE 273

HHE467 Design Eval Health Promo  
Hours 3  
Designed to help health educators develop competencies in program design, implementation, and evaluation.  
Prerequisite(s): HHE 370

HHE468 Pract Appl Health Comm & Promo  
Hours 3  
A lecture/demonstration/discussion course designed to help health educators develop competencies in program applications, with particular attention to the needs assessment process and health communication techniques.  
Prerequisite(s): HHE 370  
Prerequisite(s) with concurrency: HHE 467

HHE480 Culminating Experience in Health Education and Promotion  
Hours 3  
The purpose of this course is to provide students with an opportunity to apply health education and promotion competencies and concepts developed throughout their undergraduate course experiences. The course will include observations, applications, and reflections of responsibilities and competencies of health educators in professional practice.  
Prerequisite(s) with concurrency: HHE 467 and HHE 468

HHE488 Internship Community Hlth  
Hours 1-12  
Directed internship in a community health agency, business, clinic, or other health-related setting; observation and on-the-job experience through direct participation.

HHE496 Independent Study  
Hours 1-6  
Designed to provide the opportunity for independent work in any area of health education/health promotion.