



**COLLEGE OF GRADUATE STUDIES
BRIDGEWATER STATE UNIVERSITY
BRIDGEWATER, MA 02325**

MASTER'S DEGREE IN ATHLETIC TRAINING

PREREQUISITE CONTENT CLASSES:

**<u>COURSE</u>	<u>COLLEGE</u>	<u>COMPLETED</u>
Anatomy & Physiology I		
Anatomy & Physiology II		
Introduction to Athletic Training		
Introductory or Sport Psychology		
Kinesiology/Biomechanics		
Exercise Physiology		
Protective Techniques in AT		
EMT-B		
Health and Wellness		

**Detailed Descriptions of the above courses below.

COUSE DESCRIPTIONS

([Click here](#) for the link to the BSU Course Catalogue website)

Anatomy & Physiology I

BIOL 251 - Human Anatomy and Physiology I

(4 credits)

Prerequisite: BIOL 100 or BIOL 102 with a minimum grade of "B-"; or BIOL 121 or BIOL 122 with a minimum grade of "C-"; or consent of instructor

This course is an intensive study of the biochemistry and cellular structures of tissues; the integumentary, skeletal and muscle systems; joints, fundamentals of the nervous system; the peripheral, central and autonomic nervous systems and the special senses. Three hours of lecture and one three-hour laboratory per week. Offered fall semester.

Anatomy & Physiology II

BIOL 252 - Human Anatomy and Physiology II

(4 credits)

Prerequisite: BIOL 100 or BIOL 102 with a minimum grade of "B-"; or BIOL 121 or BIOL 122 with a minimum grade of "C-"; and BIOL 251 with a minimum grade of "C-"; or consent of instructor

This course is an intensive study of the structure and function of the heart, circulatory system and blood; and the organ systems including lymphatic, endocrine, respiratory, digestive and reproductive systems. Three hours of lecture and one three-hour laboratory per week. Offered spring semester.

Introduction to Athletic Training

ATTR 240 - Introduction to Athletic Training

(3 credits)

This course introduces the athletic training major into the field of athletic training including their role in providing sports injury management, taping and use of immobilization devices, basic injury evaluation and rehabilitation principles. Two hours of lecture and two hours of laboratory weekly.

Introductory to Psychology

PSYC 100 - Introductory Psychology

(3 credits)

This is a survey of the different processes such as perception, sensation, learning and emotion, with a discussion of the underlying physiological processes as well as an introduction to the more complex areas such as personality development, psychopathology, social influences and testing. Methods of investigation and research will be integrated with the above topics. Offered either semester. (CSOC)

Kinesiology/Biomechanics

PHED 385 - Biomechanics

(4 credits)

This course introduces the student to the concepts and principles of biomechanics as they relate to sport and recreational skills. Three hours of lecture and one two-hour laboratory weekly.

Exercise Physiology

PHED 401 - Physiology of Exercise

(4 credits)

This course includes the study of systems, their interrelationships and adjustments during exercise and as a result of training. Emphasis is on current research findings and what remains to be discovered in a human as a moving being. Three hours of lecture and one two-hour laboratory period weekly. May be taken for graduate-level credit.

Protective Techniques in AT

ATTR 100 - Athletic Taping and Bracing

(3 credits)

This course is designed for students who wish to apply to the Athletic Training Education Program (ATEP). Content will include basic athletic taping and bracing techniques commonly used to prevent athletic related injuries in the physically active population. Students will be educated on the variety of protective equipment that is utilized in athletic populations in addition to rehabilitative settings. Students will be expected to complete specific taping, bracing and padding techniques as well as equipment inspection, fitting and removal at a competent level prior to being accepted into the athletic training education program.

Emergency Medical Technician Training –Basic (EMT-B)

ATTR 400 - Emergency Medical Technician Training

(4 credits)

The primary focus of this course is to prepare the students to successfully pass the Massachusetts EMT Practical Skills Exam and The National Registry of EMT's written cognitive exam. The successful candidate will be taught how to effectively care for sick, injured and critically ill/injured patients in accordance with the Massachusetts State Treatment Protocols. Additional components of the class include eight hours of required ambulance observation ride-a-longs or eight hours of observation time in the emergency room of a local hospital emergency department. An alternative to an ambulance red-along would be to spend eight hours with the BSU Police Department as they respond to EMS calls for assistance. Offered every semester.

For more information on EMT Basic [click here](#)

Health and Wellness

HEAL 102 - Health and Wellness

(3 credits)

Attitudes and practices as they influence effective living; common adult health problems; community health standards and services; special problems of community health.

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