

Athletic Training

MASTER OF SCIENCE

The graduate program in Athletic Training is designed to prepare students to become athletic training professionals. It prepares students for the Board of Certification (BOC). The curriculum is based upon cognitive and psychomotor learning experiences. In order to become eligible to sit for the BOC examination, students within this degree must complete all of the course work within the professional areas, as well as complete competencies, proficiencies and a minimum clinical experience each semester over the two-year program. The program begins in the third summer session.

Students who complete the Master of Science in Athletic Training will:

- Demonstrate the knowledge, skills and abilities defined in the competencies and proficiencies established by the National Athletic Training Association (NATA)
- Engage in critical thinking and clinical decision making
- Communicate with the public and other medical and health professionals
- Appreciate the need for professional and community involvement
- Demonstrate and appreciate research related to athletic training.

Completing the Master of Science in Athletic Training will lead to careers opportunities at:

- High Schools
- Colleges and Universities
- Professional Sports
- Corporate/Industrial Offices
- Outpatient Clinics
- Hospital Clinics

Students entering this graduate program are expected to have appropriate academic preparation prior to beginning academic

coursework in athletic training. The following courses are listed using the Montana State University Billings rubrics and course titles. Transcript evaluation will be done by the graduate faculty to determine fulfillment of prerequisite knowledge in these areas. The course description and/or syllabus will be used to determine acceptance.

Required Prerequisites:

- Human Physiology and Anatomy I and II and corresponding labs
- Exercise Physiology
- Kinesiology or Biomechanics
- General Psychology
- General Nutrition
- Statistics
- Motor Learning and an undergraduate Research courses are recommended but not required

Required Courses Include:

- Research Design and Interpretation
- Psychological Principles of Sport
- General Medical Assessment
- Clinical Education I, II, III, IV and V
- Graduate Athletic Training I
- Graduate Athletic Training II
- Lower Extremity Evaluation
- Upper Extremity Evaluation
- Pharmacology
- Nutrition in Health and Human Performance
- Therapeutic Modalities
- Rehabilitation Techniques
- Capstone
- Organization, Administration and Legal Issues in Athletic Training
- Research Project OR
- Thesis OR
- Internship with a Case Study
- Possible Elective



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Access & Excellence

**Course Rotation
Master of Science Athletic Training**

Number	Course	F10	S11	X11	F11	S12	X12	F12	S13
EDF 501	Research Design and Interpretation	X	X	X	X	X	X	X	X
HHP 432	Nutrition in HHP	X	X		X	X		X	X
HHP 550	Psychological Principles		X			X			X
HHP 559	Clinical Education I			X			X		
HHP 561	General Medical Assessment	X			X			X	
HHP 562	Graduate Athletic Training	X			X			X	
HHP 563	Graduate Athletic Training II		X			X			X
HHP 564	Clinical Education II	X			X			X	
HHP 565	Lower Extremity Evaluation	X			X			X	
HHP 566	Upper Extremity Evaluation		X			X			X
HHP 567	Clinical Education III		X			X			X
HHP 575	Therapeutic Modalities	X			X			X	
HHP 577	Clinical Education IV	X			X			X	
HHP 576	Rehabilitation Techniques	X			X			X	
HHP 579	Clinical Education V		X			X			X
HHP 590	Internship	X	X	X	X	X	X	X	X
HHP 592	Pharmacology and Pathology		X			X			X
HHP 592	Athletic Training Organization		X			X			X
HHP 597	Capstone		X			X			X
HHP 598	Research Project	X	X	X	X	X	X	X	X
HHP 599	Thesis	X	X	X	X	X	X	X	X

NOTE: Course Rotation subject to change dependent on final approval of programs. For degree and program information, faculty list and other academic information, go to the Health and Human Performance website at www.msubillings.edu/hhp