Athletic Training

Master of Science in Athletic Training

The master of science degree in athletic training is completed over a two-year period, although a one-year option is available. Since this is a post-certification master’s program, all students must be NATA-BOC certified or certified eligible to be considered for admission. Those in the two-year program complete 38 hours of graduate coursework, which includes research (thesis or research project). Graduate assistantships are available for the NATA-BOC certified and other qualified individuals in the two-year program. The one-year program requires completion of 35 graduate credit hours.

The review and selection process for admission into the graduate athletic training program and graduate assistantships run concurrently and begin in late December/early January and continue until all positions are filled. Only those applicants with complete files will be considered for admission into the program and for graduate assistantships. Finalists will be contacted for an on-campus personal interview starting in January.

FACULTY

ASSOCIATE PROFESSORS

• Damien Clement, ATC - Ph.D. (West Virginia University)
• Michelle Sandrey, ATC - Ph.D., ATC (University of Kansas)
  Graduate Program Director

CLINICAL INSTRUCTOR

• Allison Hetrick, ATC - M.S. (University of Connecticut)
• Daniel Camillone, ATC - M.S. (West Virginia University)

ADJUNCT INSTRUCTORS

• Amelia Adams, ATC - M.S. (Robert Morris University)
• Greg Dahmer - M.A. (West Virginia University)
• Amy Hile, ATC - M.A. (University of Connecticut)
• Randall Meador, ATC - M.S. (West Virginia University)
• Samantha Young, ATC - M.S. (University of Arizona)

ADJUNCT ASSOCIATE PROFESSOR

• John C. Spiker, PT, ATC - M.Ed. (University of Pittsburgh)

ADMISSION CRITERIA

• Undergraduate degree grade point average (2.75 minimum for regular status) from an accredited institution
• Three letters of recommendation
• Resume
• Completion of the Graduate Athletic Training Application
• Completion of personal statement
• Graduate Record Examination (300 minimum, qualitative and verbal together)
• Candidate must be NATA-BOC certified or certified eligible

Applicants will submit their application and application fee on the WVU Office of Admissions GEMS web site at: www.wvu.edu. Applicant is required to submit official transcript(s) and GRE scores directly to the WVU Office of Admissions, PO Box 6009, Morgantown, WV 26506-6009. Please do not submit hard copies of transcript(s) or letters of recommendation to the CPASS Office. Applicant is responsible to upload their resume to the GEMS web site as well as the graduate athletic training application, personal statement, and list names and email addresses of recommenders. The GEMS web site will send each recommender an email for them to complete the required form and upload a letter of recommendation if they so desire.

Degree Requirements

Students are to maintain a minimum 3.0 GPA throughout the program.

A grade of C or higher must be earned in all major courses.

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ATTR 618</td>
<td>Anatomy Laboratory</td>
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<tr>
<td>ATTR 620</td>
<td>Athletic Training Practicum 1</td>
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<tr>
<td>ATTR 640</td>
<td>Critical Thinking in Injury Assessment</td>
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<tr>
<td>ATTR 621</td>
<td>Athletic Training Practicum 2</td>
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ATTR 622  Athletic Training Practicum 3  1
ATTR 623  Athletic Training Practicum 4  1
ATTR 625  Science and Theory of Rehabilitation  3
ATTR 626  Low Back and Overuse Pathology  3
ATTR 627  Biomechanics  3
ATTR 650  Medical and Surgical Aspects of Athletic Training  3
ATTR 655  Integrated Functional Human Performance  3
SEP 615  Research Methodology in Physical Education  3
SEP 723  Psychological Aspects of Sport Injury  3
SEP 726  Advanced Measurement and Research in Physical Education  3

Select one of the following Thesis, Research Project, or Concentration options:

**Thesis**
- ATTR 698  Thesis or Dissertation (2 hours each semester for a total of 4 hours)

**Research Project**
- ATTR 697  Research (Total of 3 hours)
- ATTR 695  Independent Study (1 hour)

**Concentration**
- ATTR 685  Field Concentration 1 (2 hours each semester for a total of 4 hours)
- ATTR 686  Field Concentration 2

Total Hours 38

### Suggested Plan of Study

#### First Year

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<tr>
<th>Fall</th>
<th>Hours Spring</th>
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<td>ATTR 618</td>
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<td>3 SEP 726</td>
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Total 10

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<td>ATTR 625</td>
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<td>SEP 723</td>
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Select from the following:
- ATTR 697
- ATTR 698
- ATTR 685

Total 2

#### Second Year

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<td>ATTR 625</td>
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<tr>
<td>SEP 723</td>
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Select from the following:
- ATTR 697
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- ATTR 685

Total 2

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<td>ATTR 697</td>
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<td>ATTR 686</td>
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Total 9

### Total credit hours: 38

### Major Learning Outcomes

#### ATHLETIC TRAINING

The goal of the program is for students to graduate with evidence based knowledge related to post-professional proficiencies and decision making necessary to prepare them to gain successful employment or a terminal degree and have developed the post-proficiencies necessary to perform effectively in the field of athletic training.

- **Content Knowledge** – Students will demonstrate evidence based and best clinical practice post-professional knowledge and disciplinary concepts related to athletic training.

- **Reflection and Critical Thinking** – Students will demonstrate reflection and critical thinking in order to refine post-professional knowledge and practice.
• **Programming and Assessment** – Students will demonstrate post-professional evidence-based knowledge and proficiencies (and best practices) for assessing injury and biomechanical abnormalities through pre-screening and for designing, implementing and critically evaluating acute and chronic injury rehabilitation approaches in a traditional or emerging athletic training setting.

• **Professionalism and Ethics** – Students will demonstrate professional behaviors, including commitment to excellence, valuing diversity and collaboration, service to others, techniques for lifelong learning, and will develop the knowledge and proficiencies necessary to allow them to be successful with regard to being employed as an athletic trainer.

• **Technology** – Students will be able to apply the use of different forms of technology to assess proficiencies and provide meaningful feedback.

**COURSES**

ATTR 595. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

ATTR 618. Anatomy Laboratory. 3 Hours.
Cadaver laboratory dissection involving an anatomical analysis of the trunk and extremities.

ATTR 620. Athletic Training Practicum 1. 1 Hour.
PR: Admittance into graduate athletic training program. Understanding of the different members of the sports medicine community; incorporating viewpoints into the process of making decisions about the care of an injured athlete.

ATTR 621. Athletic Training Practicum 2. 1 Hour.
PR: ATTR 620. Clinical experience in athletic training that allows students to broaden their exposure to administrative duties.

ATTR 622. Athletic Training Practicum 3. 1 Hour.
PR: ATTR 621. Clinical experience in athletic training that allows students to broaden their experience and to develop advanced clinical and writing skills.

ATTR 623. Athletic Training Practicum 4. 1 Hour.
PR: ATTR 622. Clinical experience in athletic training that allows students to broaden their clinical thinking and problem solving abilities.

ATTR 625. Science and Theory of Rehabilitation. 3 Hours.
This course will present the current theory of therapeutic exercise techniques as they relate to the rehabilitation of the physically active individual.

ATTR 626. Low Back and Overuse Pathology. 3 Hours.
This course will present evidence based and best clinical practice for low back and overuse pathology related to the assessment, treatment, and rehabilitation of the physically active individual.

ATTR 627. Biomechanics. 3 Hours.
To provide the athletic trainer with an understanding of applied clinical biomechanics and its relationship to specific joints, sports and pathologies.

ATTR 640. Critical Thinking in Injury Assessment. 3 Hours.
A course designed to demonstrate knowledge in critical thinking skills and evidence-based clinical practice guidelines as they relate to the evaluation process.

ATTR 650. Medical and Surgical Aspects of Athletic Training. 3 Hours.
Variety of current medical and surgical procedures commonly performed on athletic populations.

ATTR 655. Integrated Functional Human Performance. 3 Hours.
A course designed to instruct the student in the theory of integrated functional human performance and design application of the material to integrate knowledge learned with professional experience and prior learning in fitness and rehabilitation.

ATTR 685. Field Concentration 1. 2 Hours.
A course designed to enhance knowledge and field experience in specialized areas of athletic training practice.

ATTR 686. Field Concentration 2. 2 Hours.
PR: ATTR 685. A course designed to continue knowledge and field experience in specialized areas of athletic training practice gained in ATTR 685.

ATTR 691. Advanced Topics. 1-6 Hours.
PR: Consent. Investigation of advanced topics not covered in regularly scheduled courses.

ATTR 693. Special Topics. 1-6 Hours.
A study of contemporary topics selected from recent developments in the field.

ATTR 695. Independent Study. 1-6 Hours.
Faculty supervised study of topics not available through regular course offerings.

ATTR 697. Research. 1-15 Hours.
PR: Consent. Research activities leading to thesis, problem report, research paper or equivalent scholarly project, or a dissertation. (Grading may be S/U.).

ATTR 698. Thesis or Dissertation. 1-6 Hours.
PR: Consent. This is an optional course for programs that wish to provide formal supervision during the writing of student reports (698), or dissertations (798). Grading is normal.