MASTER OF SCIENCE (M.S.), MAJOR IN ATHLETIC TRAINING (NON-THESIS OPTION)

Degree Program
The Master of Science (M.S.) degree with a major in Athletic Training is designed as an advanced post-professional athletic training curriculum for the board-certified athletic trainer. The graduate student in athletic training may choose from either the thesis or the non-thesis option.

As background prerequisites, an athletic training major is expected to have graduated from an academic institution that is accredited by the Commission on Accreditation of Athletic Training Education (CAATE) or presently be certified through the Board of Certification, Inc.

Application Requirements
The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College's website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents webpage (http://mycatalog.txstate.edu/graduate/admission-documents/international) for additional requirements.

- completed online ApplyTexas application
- $40 nonrefundable application fee
- $50 nonrefundable international evaluation fee (if applicable)
- baccalaureate degree from a university with regional and CAATE (Commission on Accreditation of Athletic Training Education) accreditations
- official transcripts required from each four-year institution where course credit was granted
- minimum 3.0 GPA in your last 60 hours of undergraduate course work (plus any completed graduate courses)
- GRE scores not required
- athletic trainer certification or eligibility for the certification exam (especially if the student’s degree is not from a CAATE-accredited institution)
- research interest form
- resume/CV including education, certifications or licensures, professional affiliations, clinical education experiences and/or professional work experience, honors and awards, community service activities, and professional presentations/publications
- statement of purpose (maximum two pages) that discusses the student’s reasons for pursuing graduate studies in athletic training at Texas State University, goals for graduate study, and areas of research interest. The student should also include how the knowledge gained from this degree program will contribute to his/her future career and professional growth.
- three forms of recommendation with at least one form from an academic faculty member and one form from the certified athletic trainer who supervised the majority of the student’s clinical experience

TOEFL or IELTS Scores
Non-native English speakers who do not qualify for an English proficiency waiver:
- official TOEFL iBT scores required with a 78 overall
- official IELTS (academic) scores required with a 6.5 overall and
- minimum individual module scores of 6.0

This program does not offer admission if the scores above are not met.

Degree Requirements
The Master of Science (M.S.) degree with a major in Athletic Training requires 37 semester credit hours.

Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
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</tr>
<tr>
<td>ESS 5346</td>
<td>Research Methods in Health and Human Performance</td>
<td>3</td>
</tr>
<tr>
<td>AT 5312</td>
<td>Evidence-Based Practice in Sports Medicine</td>
<td>3</td>
</tr>
<tr>
<td>AT 5310</td>
<td>Proprioception and Neuromuscular Control in Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>AT 5311</td>
<td>Biomechanics of Musculoskeletal Injury</td>
<td>3</td>
</tr>
<tr>
<td>AT 5318</td>
<td>Therapeutic Evaluation and Intervention</td>
<td>3</td>
</tr>
<tr>
<td>AT 5308</td>
<td>Therapeutic Exercise and Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>PT 5400</td>
<td>Human Structure and Function</td>
<td>4</td>
</tr>
<tr>
<td>ESS 5356</td>
<td>Applied Statistics in Health and Human Performance</td>
<td>3</td>
</tr>
<tr>
<td>AT 5347</td>
<td>Independent Study in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td><strong>Prescribed Elective</strong></td>
<td></td>
<td></td>
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<tr>
<td>Choose 3 hours from the following:</td>
<td>3</td>
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<tr>
<td>AT 5307</td>
<td>Bioenergetics of Exercise and Rehabilitation</td>
<td></td>
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<tr>
<td>ESS 5306</td>
<td>Advanced Exercise Physiology</td>
<td></td>
</tr>
<tr>
<td>ESS 5307</td>
<td>Advanced Resistance Training and Conditioning</td>
<td></td>
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<tr>
<td>ESS 5311</td>
<td>Applied Neuromuscular and Skeletal Muscle Physiology</td>
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<tr>
<td><strong>Electives</strong></td>
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<tr>
<td>Choose 6 hours from the following:</td>
<td>6</td>
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<tr>
<td>ESS 5304</td>
<td>Motor Learning and Performance</td>
<td></td>
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<tr>
<td>ESS 5305</td>
<td>Advanced Fitness Assessment and Exercise Prescription</td>
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<tr>
<td>ESS 5309</td>
<td>Biomechanics for Exercise &amp; Sports Science</td>
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<tr>
<td>ESS 5310</td>
<td>Cardiopulmonary Exercise Physiology</td>
<td></td>
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<tr>
<td>ESS 5329</td>
<td>Motor Learning</td>
<td></td>
</tr>
<tr>
<td>NUTR 5364</td>
<td>The Science of Nutrition and Exercise</td>
<td></td>
</tr>
<tr>
<td><strong>Total Hours</strong></td>
<td>37</td>
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Comprehensive Examination Requirements
All candidates for graduate degrees must pass one or more comprehensive examinations.
Master’s level courses in Health and Human Performance: AT

Courses Offered

Athletic Training (AT)

AT 5101. Graduate Assistant Development.
This course is required of all graduate assistants and provides in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the spring semester of their employment. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5199B. Thesis.
This course represents a student’s continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5201. Graduate Assistant Development.
This course is required of all graduate assistants and provides in-service and planned periodic evaluations of instructional responsibilities. Graduate assistants are required to register for this course in the fall semester of their employment. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

AT 5299B. Thesis.
This course represents a student’s continuing thesis enrollments. The student continues to enroll in this course until the thesis is submitted for binding.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5301. Seminar in Athletic Training.
Current trends in athletic and physical education concerning the care and prevention of injuries with special emphasis on therapeutic and rehabilitation techniques. Taping and bandaging will be practiced in a laboratory situation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5302. Special Topics in Athletic Training.
This course is designed to educate students in the scientific process and develop an in-depth understanding of the research process in Athletic Training.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5303. Seminar in Athletic Training.
Current trends in athletic and physical education concerning the care and prevention of injuries with special emphasis on therapeutic and rehabilitation techniques. Taping and bandaging will be practiced in a laboratory situation.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5304. Exercise Physiology.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as to impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic exercise in the rehabilitation of all athletic injuries. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5307. Bioenergetics of Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in physiological basis of muscular, respiratory, cardiovascular, and nervous systems in the rehabilitation of all athletic injuries. Must be admitted to the MS in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5308. Therapeutic Exercise and Rehabilitation.
This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as to impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic exercise in the rehabilitation of all athletic injuries. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5310. Proprioception and Neuromuscular Control in Rehabilitation.
This course provides for an advanced study of the concepts, theories, and current research related to proprioception, postural stability, and neuromuscular control as applied to the prevention, diagnosis, and clinical management of sport-related musculoskeletal injuries and concussions. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5311. Biomechanics of Musculoskeletal Injury.
This course focuses on the application of biomechanical principles to the pathoetiology, diagnosis, and physiological capacity for healing of injuries to bone, ligament, tendon, cartilage, and other human tissues, with an emphasis on current injury research. Must be admitted to the M.S. in Athletic Training Program or instructor approval required.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5312. Evidence-Based Practice in Sports Medicine.
This course is designed to provide students with advanced study in the elements of evidence-based practice in sports medicine with focus on the role of accessing, retrieving, and critically appraising evidence to answer clinical questions in patient care. Must be admitted to the M.S. in Athletic Training Program or instructor approval required. Prerequisite: ESS 5346 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5318. Therapeutic Evaluation and Intervention.
This course explores the scientific bases of therapeutic musculoskeletal exercise and neuromuscular evaluative techniques in the rehabilitation process. Must be admitted to the M.S. in Athletic Training Program.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
AT 5347. Independent Study in Athletic Training.
This course may be taken by a student who desires to work on a research
problem or investigation in Athletic Training. The student gathers
and analyzes pertinent data and submits a report of the results of the
research. Repeatable once for credit. Prerequisite: ESS 5346 with a grade
of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

AT 5399A. Thesis.
This course represents a student’s initial thesis enrollment. No thesis
credit is awarded until student has completed the thesis in AT 5399B.
Graded on a credit (CR), progress (PR), no credit (F) basis.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5399B. Thesis.
This course represents a student’s continuing thesis enrollment. The
student continues to enroll in this course until the thesis is submitted for
binding.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5599B. Thesis.
This course represents a student’s continuing thesis enrollments. The
student continues to enroll in this course until the thesis is submitted for
binding.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

AT 5999B. Thesis.
This course represents a student’s continuing thesis enrollments. The
student continues to enroll in this course until the thesis is submitted for
binding.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit