

Advanced Athletic Training

Department Information

- **Department Head:**
Yeong Rhee, Ph.D.
- **Program Coordinator:**
Kara Gange, Ph.D.
- **Department Location:**
Bentson Bunker Fieldhouse
- **Department Phone:**
(701) 231-5777
- **Department Web Site:**
www.ndsu.edu/hnes/graduate_programs/advanced_athletic_training_post_professional/
- **Application Deadline:**
Not currently accepting applications.
- **Credential Offered:**
M.S.
- **Test Requirement:**
GRE
- **English Proficiency Requirements:**
TOEFL iBT 100; IELTS 7; PTE Academic 68

Program Description

The Master of Science in Advanced Athletic Training is a post-professional degree for certified athletic trainers consisting of 34 credits. The MS program is the only Athletic Training program in the country with MSK Diagnostic Ultrasound courses and one of 8 programs in the country with Kinesio Tape® certification. Students have the opportunity to learn the innovative knowledge and skills from AT faculty who are at the forefront of their expertise areas. Dr. Katie Lyman is one of 12 individuals in the world that can certify ATs as CKTPs (Certified Kinesio Taping Practitioner®) and Dr. Kara Gange is the only athletic trainer in the country teaching MSK diagnostic ultrasound. In addition to new knowledge, students are challenged to examine and compare previous knowledge and clinical practice to the available evidence and implement evidence based medicine. Finally, students will perform a research study (thesis) in one of the MS AT faculty expertise areas with the result of disseminating the new knowledge and expanding the athletic training body of knowledge.

1. Minimum overall GPA of 3.0 on a 4.0 scale.
2. Must be a BOC AT or eligible for the BOC exam and have graduated from a CAATE accredited professional (entry-level) graduate or undergraduate athletic training program.
3. Skype or interview with Athletic Training Faculty.

Admission Acceptance/Denial into the M.S.:

The M.S. application process is a very competitive process. The Application Committee reviews the graduate school and program application and determines if a student is granted an interview. The committee will set up a time with the student to complete the interview process. Criterion that is evaluated includes: overall GPA, certification status, Statement of Purpose, Research Writing sample, GRE scores with an emphasis on the analytical writing score, letters of reference, and interview. Exceptions to the requirements can be made upon recommendations from the Application Committee. Acceptance is *not* guaranteed simply upon satisfactory completion of the requirements. Once the Athletic Training Application Committee agrees to accept the student, the program director notifies the student.

| Code | Title | Credits |
|-------------------------|---|---------|
| Required Courses | | |
| HNES 702 | Introduction to Advanced AT and Professionalism | |
| HNES 710 | Introduction to Research Design and Methods in HNES | |
| HNES 720 | Advanced Emergency Care | |
| HNES 722 | Evidence Based Orthopedic Evaluation | |
| HNES 723 | Advanced Techniques in Sports Medicine | |
| HNES 786 | Diagnostic Ultrasound - Shoulder and Knee Basics | |
| HNES 787 | Evidence Based Therapeutic Modalities | |

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| HNES 788 | Diagnostic Ultrasound - Case Studies and Ankle Basics | |
| HNES 798 | Master's Thesis (6 credits) | |
| HDFS 705 | Quantitative Methods in Developmental Science | |
| or STAT 725 | Applied Statistics | |
| or EDUC 702 | Statistics In Educational Research | |
| Electives: Minimum of 3 credits (must be 600/700 level) | | 3 |
| Total credits | | 34 |

| First Year | | | | | |
|-------------------------|----------------|---------------|----------------|------------------------------------|----------------|
| Fall | Credits | Spring | Credits | Summer | Credits |
| HNES 702 | 1 | HNES 723 | 3 | HDFS 705, STAT 725, or EDUC 702 | 3 |
| HNES 710 | 3 | HNES 786 | 3 | | |
| HNES 720 | 3 | HNES 787 | 3 | | |
| | | HNES 798 | 2 | | |
| | | 7 | 11 | | 3 |
| Second Year | | | | | |
| Fall | Credits | Spring | Credits | | |
| HNES 788 | 3 | HNES 722 | 3 | | |
| HNES 798 | 2 | HNES 798 | 2 | | |
| Elective 600/700 Course | 3 | | | | |
| | | 8 | 5 | | |

Total Credits: 34

Kara Gange, Ph.D., ATC
 North Dakota State University, 2010
 Research Interests: Therapeutic Modalities and Diagnostic Ultrasound

Katie Lyman, Ph.D., ATC
 University of South Florida, 2014
 Research Interests: Kinesio Tape[®], Manual Medicine, and Emergency Medicine