

Brigham Young University  
College of Health and Human Performance  
Department of Exercise Sciences

**MS Degree in Exercise Science with Athletic Training Specialization**

Effective Fall 2008 – Last Updated May 2008

Application Deadline: FEBRUARY 1

This program is designed to build upon the theoretical and clinical competencies developed as an undergraduate preparing for the NATABOC certification examination. It allows students to further develop theoretical knowledge and clinical skills, become comfortable with and critically evaluate current athletic training-related literature, and conduct clinically relevant athletic training research. This is a two-year program.

**ADMISSION REQUIREMENTS**

- A. Fulfill all requirements for admission to the BYU graduate school. (See the current University Catalog.)
- B. BOC certified or be eligible to become certified.
- C. Have a minimum GPA of 3.0 for the last 60 semester hours of undergraduate academic work.
- D. Achieve satisfactory scores on the GRE.
- E. Submit a letter of intent which includes the following:

**NOTE:** Place **“LETTER OF INTENT”** at the top of your letter.

- 1. Your preparation and background for applying to the Athletic Training specialization.
- 2. The special emphasis which you hope to pursue in your program.
- 3. The basic reasons for your choice of career.
- 4. Special qualities and talents that would enhance success in your particular career.
- 5. Research interests, including faculty you would like to do research with.
- 6. Your professional goals.
- 7. Your particular reasons for applying to Brigham Young University.
- 8. The specific duration for accomplishing your graduate degree.
- 9. (Optional) Any specific circumstances or objectives you wish to have taken into consideration.

**Summer or Fall admittance is recommended for proper class sequencing**

**COURSE WORK**

To qualify for a Master of Science degree, you must complete a minimum of 24 semester hours of credit, plus 6 hours of thesis, with a GPA of 3.0 (B or better). With the approval of the advisory committee and the graduate coordinator a limited number of 300 – 400 level courses may be included in the program of study. All course work must be approved by your advisory committee and graduate coordinator.

During the first semester, each graduate student will enroll in ExSc 691—Graduate Seminar. A review will be made of your undergraduate preparation and competency in the areas of writing ability and computer use. You will be required to remove any deficiencies or weaknesses. Statistics 221 or equivalent is a required prerequisite.

**Exercise Science Core - 12 credit hours:**

- EXSC 630 Research Methods (3)
- EXSC 631 Research Design (2)
- EXSC 691 Seminar (1)
- EXSC 699R Thesis (6)

**REQUIRED CLASSES - ATHLETIC TRAINING SPECIALIZATION - Select a minimum of 19 credit hours from the following with 8 hrs from 625R. Other courses may be approved by your advisory committee.**

- EXSC 560 Orthopaedic Pathomechanics (2)
- EXSC 625R Adv Topics in Phys Med & Rehab (8)
  - Electrotherapy, Ultrasound, & Diathermy (2)
  - Cryotherapy (2)
  - Functional Testing & Exercise (2)
  - Neural Basis of Rehabilitation (2)
  - Strength Rehabilitation (2)
  - Mobilization & Manual Therapy (2)
  - Orthotics (2)
  - Clinical and Educational Administration (2)
- EXSC 662 Mechanical Analysis of Activities (2)
- EXSC 663 Res Tech in Biomechanics of Sport (2)
- EXSC 666 Exercise Physiology (3)
- EXSC 667 Lab Methods and Procedures (2)
- EXSC 668 Pathomechanical Human Anatomy (4)
- EXSC 693R Graduate Seminar in Readings (2)

**TOTAL:** 31-32 credit hours  
(not including prerequisites or deficiencies)