

M.Ed. in Exercise Science

Athletic Training Option

Program Description

The M.Ed. in Exercise Science, Athletic Training Option is designed to provide a multi-disciplinary course of study for athletic trainers, physical therapists and other allied health care providers. The program of study involves advanced study in athletic training, biomechanics, exercise physiology, and measurement and evaluation.

Faculty

Dr. Michael Ferrara, Ph.D., ATC, is the primary advisor for students in this program. Dr. Ferrara has been an athletic training researcher and educator for 15 years. Other faculty in the Department providing support for the program include: Dr. Ted Baumgartner (measurement), Drs. Elaine Cress, Kirk Cureton, Gary Dudley, and Kevin McCully (exercise physiology), Drs. Rod Dishman, Patrick O'Connor, and Phil Tomporowski (exercise psychology), Dr. Harry DuVal (adult fitness/cardiac rehabilitation), Dr. Kathy Simpson (biomechanics).

Admission

Admission to the program is based on the student's prior academic record, graduate record exam (GRE) scores, recommendations and availability of an advisor. Minimum requirements include a GRE score (verbal plus quantitative) of 850, and undergraduate grade point average of 2.6 on a 4.0 scale, and, in the case of foreign students, a score of 550 on the Test of English as a Foreign Language (TOEFL) exam. For students interested in an assistantship, admission applications should be submitted before February 1.

Prerequisites

Students are expected to have an undergraduate degree in exercise science or an appropriate related field. A background in physical and biological science is desirable.

Program of Study

The program of study is developed by the student and major professor based on the student's background, interests and career goals. Thirty-six semester hours of course work is required, which can typically be completed in one to two years of full time graduate study. No thesis is required. The course work required (31 hours) is described below:

EXRS 6300	Exercise Epidemiology
EXRS 6400	Exercise & Sport Psychology
EXRS 6690	Exercise Physiology II

EXRS 7150	Research Methods in HHP
EXRS 7160	Advanced Measurement in Exercise Science
EXRS 7210	Motor Learning and Control
EXRS 7330	Metabolic & Cardiorespiratory Aspects of Exercise
EXRS 7340	Exercise Psychology
EXRS 7350	Biomechanics in Human Movement
EXRS 8350	Methods in Biomechanics
EXRS 8990	Research Seminar - Athletic Training

The elective (5 hours) courses are listed below*:

EXRS 6310	Physical Fitness Programs
EXRS 6320	Physical Activity and Aging
EXRS 6600	Measurement and Surveillance of Physical Activity
EXRS 7180	Measuring Psychological Constructs
EXRS 7310	Adult Fitness and Cardiac Rehabilitation
EXRS 8300	Advanced Topics in Exercise Physiology
EXRS 8320	Evaluation of Human Neuromuscular Function
EXRS 8410	Neuromuscular Mechanism in Exercise
FDNS 6510	Nutrition Related to the Human Life Cycle
HPRB 7210	The Effects of Drug Use and Abuse
HPRB 7370	Social Marketing of Health: Theory and Process
PEDS 6610	Adapted Physical Education
PEDS 7130	Administration of Physical Education

*other electives with major professor approval

Descriptions of these courses may be found in the Graduate School Bulletin.

Laboratory Facilities

The Department of Exercise Science complex has a well-equipped athletic training education and research laboratory. The NeuroCom Smart Balance System and the Balance Master are used in projects involving traumatic brain injury, gain training, fall prevention in the elderly, and rehabilitation of lower extremity injuries. The Department also has well-equipped Aging and Physical Performance, Biomechanics, Exercise Physiology, Exercise Psychology, and Cognition and Skill Acquisition Laboratories that are actively involved in applied and basic research. A separate Fitness Center conducts Adult Fitness, Cardiac Rehabilitation, and Senior Adult programs for University faculty/staff and the Athens community.

Assistantships

A limited number of assistantships are available on a competitive basis through the athletic training education program and the University of Georgia Athletic Association.

For additional information on this program contact:

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For more information on admission please contact:

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Information about Exercise Science programs and faculty is available on the world-wide-web at the following address: <http://www.coe.uga.edu/exs>.

A completed application includes:

- * application form and fee sent to the Graduate School
- * official transcripts sent to the Graduate School
- * official report of GRE scores sent to the Graduate School
- * three letters of recommendation sent to the Department
- * Department questionnaire, including resume, statement of purpose, research interests, and previous experience sent to the Department