

M.S.E.S. in Exercise Science

Description

The M.S. in exercise science prepares students for careers in fitness and allied health and research. The degree also prepares students for advanced study at the doctoral (Ph.D.) level.

Minimum Total Credit Hours: 36

Course Requirements

For the M.S. in exercise science, a minimum of 36 semester hours of graduate study is required. Requirements for the M.S. in exercise science are a minimum of 12 hours from the exercise science core curriculum, 6 hours of supporting curriculum, 6 hours of research design and statistics, a minimum of 3 hours of electives, and either 6 hours of thesis or 9 hours of internship or 6 additional hours of adviser-approved elective course work as the capstone learning experience.

Core Curriculum	12 hours
ES 609-Motor Behavior	3
ES 611-Exercise Physiology I*	3
ES 614-Cardiovascular Physiology	3
ES 616-Exercise Physiology II	3
Supporting Curriculum	6 hours
ES 514-Applied EMG	3
ES 609-Motor Behavior	3
ES 608-Methods and Procedures of Graded Exercise Testing (core)	3
ES 612-Instrumentation and Analysis in Biomechanics	3
ES 613-Health Aspects of Physical Activity	3
ES 615-Physiological Aspects of Aging	3
ES 618-Advanced Muscle Physiology	3
ES 620-Selected Topics in Exercise Science	3
ES 632-Advanced Structural Kinesiology	3
ES 644-Control of Human Movement	3
ES 548-Biomechanics of Injury	3
Electives	3-9 hours
ES 651-Advanced Individual Study	3
ES 652-Advanced Individual Study	3
Any non-core course (adviser-approved)	3
Research and Statistics	6 hours
ES 625-Research Design and Evaluation	3
ES 626-Statistical Analysis I (adviser-approved)	3
Capstone Learning Requirement	6 or 9 hours
ES 610-Internship in Exercise Science	9
ES 697-Thesis	6
Adviser-approved elective course work	6

*Requires completion of equivalent undergraduate level course or approval of instructor.

