

# 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: 30

## Course Requirements

For the M.S. in exercise science, a minimum of 30 semester hours of graduate study is required. Requirements for the M.S. in exercise science are a minimum of 12 hours from the core curriculum, 6 hours of supporting curriculum, 6 hours of research design and statistics, and either 6 hours of thesis or 6 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 515-Stress and the Brain	3
ES 542-Sports Psychology	3
ES 548-Biomechanics of Injury	3
ES 608-Methods & 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 644-Control of Human Movement	3
ES 651-Advanced Individual Study	3
ES 652-Advanced Individual Study	3
Any noncore course with adviser approval	3

### Research and Statistics

6 hours

ES 625-Research Design and Evaluation	3
ES 626-Statistical Analysis I OR ES-511 Applied Statistics (adviser -approved)	3

### Capstone Learning Requirement

6 hours

ES 610-Internship in Exercise Science	6
ES 697-Thesis	6
Adviser-approved elective course work	6

