

# **M.S.E.S. in Exercise Science**

Overview

### **Degree Requirements**

# 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: 32 Course Requirements

For the M.S. in exercise science, a minimum of 33 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 ES 512-Foundations of		(12 hours)
ES 512 Equipidations of		
Biomechanics*	(3)	
ES 611-Exercise Physiology I*	(3)	
ES 614-Cardiovascular Physiology	(3)	
ES 632-Advanced Structural Kinesiology	(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 616-Exercise Physiology II	(3)	
ES 618-Advanced Muscle Physiology	(3)	
ES 620-Selected Topics in Exercise Science	(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)	
<b>Research and Statistics</b>		(6 hours)
ES 625-Research Design and Evaluation	(3)	
ES 652-Statistics (adviser- approved)	(3)	
	Physiology ES 632-Advanced Structural Kinesiology Supporting Curriculum ES 514-Applied EMG ES 609-Motor Behavior ES 608-Methods and Procedures of Graded Exercise Testing (core) ES 612-Instrumentation and Analysis in Biomechanics ES 613-Health Aspects of Physical Activity ES 615-Physiological Aspects of Aging ES 616-Exercise Physiology II ES 618-Advanced Muscle Physiology ES 620-Selected Topics in Exercise Science ES 644-Control of Human Movement ES 548-Biomechanics of Injury Electives ES 651-Advanced Individual Study ES 652-Advanced Individual Study Any non-core course (adviser- approved) Research and Statistics ES 625-Research Design and Evaluation ES 652-Statistics (adviser-	Physiology(3)ES 632-Advanced Structural Kinesiology(3)Supporting Curriculum(3)ES 514-Applied EMG(3)ES 509-Motor Behavior(3)ES 609-Motor Behavior(3)ES 613-Italith Aspects of Physical Activity(3)ES 613-Health Aspects of Physiological Aspects(3)ES 615-Physiological Aspects of Aging(3)ES 618-Advanced Muscle Physiology(3)ES 618-Advanced Muscle Physiology(3)ES 644-Control of Human Movement(3)ES 644-Control of Human Movement(3)ES 651-Advanced Individual Study(3)Study(3)Any non-core course (adviser- approved)(3)Research and Statistics(3)ES 625-Research Design and Evaluation(3)ES 652-Statistics (adviser- (3)(3)

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.





#### Capstone Learning Requirement

ES 610-Internship in Exercise<br/>Science(9)ES 697-Thesis(6)Adviser-approved elective<br/>course work(6)

(6 or 9 hours)

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

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