

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

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| 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

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| 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

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| 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

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

