

## Master of Education in Exercise Science

### Prerequisites

CHEM	110	(3) Elementary Chemistry (or equivalent)
BIO	223	(3) Human Anatomy and Physiology (or equivalent)
HPS	313	(3) Exercise and Sport Nutrition (or equivalent)
HPS	328	(3) Biomechanics/Kinesiology (or equivalent)
HPS	490	(3) Exercise Physiology (or equivalent)

### Required Core Courses (12 hours)

HPS	800	(3) Recent Literature in the Profession	Fall
HPS	815	(3) Fitness Assessment/Exercise Recommendations	Spring
HPS	830	(3) Advanced Physiology and Anatomy of Exercise	Spring
HPS	860	(3) Research Methods in the Profession	Fall

**Required Specialty Courses:** Must complete four (12 credit hours) of the following courses for options 1 and 2. Must complete seven (21 credit hours) of the following courses for option 3.

HPS	541	(3) Strength and Conditioning	Spring/Fall
HPS	710	(3) Body Composition and Weight Management	Spring
HPS	732	(3) Pathophysiology of CVD & Introduction to ECGs**	Fall
HPS	740	(3) Advanced Prescription of Exercise	Summer
HPS	750J	(3) Exercise Endocrinology and Metabolism	Fall
HPS	762	(3) Tests and Measurement in Human Performance	Fall
HPS	780	(3) Physical Dimensions of Aging	Fall
HPS	781	(1-3) Cooperative Education & Work Based Learning	Fall/Spring/Summer
HPS	790	(3) Applied Exercise Physiology	Spring
HPS	795	(3) Physiological Basis of Athletic Performance	Spring
HPS	797	(3) Exercise in Health and Disease**	Fall
HPS	890	(1-3) Special Topics	Fall/Spring/Summer
HPS	895	(1-3) Applied Research	Fall/Spring/Summer

<b><u>1: Thesis Option (34 hours)</u></b>	<b><u>2: Non-Thesis Option with Internship (36 hours)</u></b>	<b><u>3: Non-Thesis Option without Internship (36 hours)</u></b>
HPS 875 (2) Thesis Research HPS 876 (2) Thesis Required courses (25 hours) Electives <sup>+</sup> (9 hours) <i>Examination:</i> Oral Defense of Thesis	HPS 890 (3) Special Topics HPS 857 (6) Internship <sup>#</sup> Required courses (30 hours) Electives <sup>+</sup> (6 hours) <i>Examination:</i> Written Comprehensive	**Required courses (30 hours) Electives <sup>+</sup> (6 hours) <i>Examination:</i> Written Comprehensive

\*\* required for all non-thesis without internship option 3; <sup>#</sup> all required core and specialty courses must be completed before taking the internship; <sup>+</sup> Electives are to be selected with advisor's approval

### Optional Courses Outside of the HPS Department:

SMGT	711	(3) Structuring and Scheduling Sports Tournaments	Spring
AGE	715	(3) Adult Development and Aging	Spring
AGE	798	(3) Multiple Perspectives of Aging	Fall
CSD	517	(3) Communication in Aging	Fall
CSD	812	(3) Aphasia RH Disorders, Dementia	Spring
IME	549	(3) Industrial Ergonomics	Fall/Spring
IME	949	(3) Work Physiology	Fall
ME	750T	(3) Special Topics Engineering - Injury Biomechanics	Spring