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

<table>
<thead>
<tr>
<th>1: Thesis Option (34 hours)</th>
<th>2: Non-Thesis Option with Internship (36 hours)</th>
<th>3: Non-Thesis Option without Internship (36 hours)</th>
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</thead>
<tbody>
<tr>
<td>HPS 875 (2) Thesis Research</td>
<td>HPS 890 (3) Special Topics</td>
<td>**Required courses (30 hours)</td>
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<tr>
<td>HPS 876 (2) Thesis</td>
<td>HPS 857 (6) Internship</td>
<td>Electives † (6 hours)</td>
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<tr>
<td>Required courses (25 hours)</td>
<td>Required courses (30 hours)</td>
<td>*Examination: Written</td>
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<tr>
<td>Electives † (9 hours)</td>
<td>Electives † (6 hours)</td>
<td>Comprehensive</td>
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<td>Examination: Oral Defense of Thesis</td>
<td>Examination: Written</td>
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<td>**Electives are to be selected with advisor’s approval</td>
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** required for all non-thesis without internship option 3; † all required core and specialty courses must be completed before taking the internship; † 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