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# MASTER OF SCIENCE IN **KINESIOLOGY (EXERCISE** PHYSIOLOGY)

Web Site: https://twu.edu/kinesiology/graduate-programs/exercisephysiology/

The M.S. in Kinesiology, Exercise Physiology emphasis area prepares students for positions within the healthcare industry in hospital-based cardiac rehabilitation programs, as strength and conditioning specialists at universities or athletic performance venues, or to pursue doctoral studies. The primary focus of the master's program is the acute response and training adaptation to exercise and the role that exercise plays in diminishing the risk of developing various hypokinetic, chronic diseases. Biomechanics, exercise physiology, biochemistry, and motor behavior/pedagogy laboratories are dedicated specifically to teaching and research.

### Marketable Skills

Marketable skills prepare students for success in a variety of professional settings. Developed through academic coursework, co-curricular engagement, and extracurricular involvement, these skills include communication, critical thinking, teamwork, ethical reasoning, adaptability, and digital literacy. Whether directly related to a student's major or serving as complementary strengths, marketable skills enhance career readiness and reflect TWU's commitment to producing graduates who are prepared to thrive in today's dynamic workforce.

- 1. Understand and implement exercise programming to reduce disability, promote health, and prevent disease.
- 2. Demonstrate and interpret results from common exercise testing measures, including heart rate, blood pressure, ECG, and respiratory gas analysis.
- 3. Administer aspects of health-related physical fitness testing, and communicate results to clients.

### Admissions

All students must meet the University requirements as outlined in the Admission to the TWU Graduate School (https://catalog.twu.edu/ graduate/graduate-school/admission-graduate-school/) section of the catalog.

The academic program may have additional admission criteria that must also be completed as outlined on the program's website.

## **Degree Requirements**

### **Prerequisites**

- · Anatomy & Physiology
- · Exercise Physiology
- Three hours of upper-level Exercise Science

Prerequisite courses may be taken during the program but will not be counted toward the degree.

#### **Total Semester Credit Hours Required**

Thesis Option: 30 semester credit hours (SCH).

Internship/Professional Affiliation Option: 36 semester credit hours (SCH).

#### Thesis Option (30 SCH)

KINS 5033 Applied Statistical Principles  Exercise Physiology Emphasis  KINS 5553 Advanced Exercise Physiology  KINS 5573 Graded Exercise Testing  KINS 5593 Environmental Exercise Physiology  KINS 5613 Cardiovascular Response to Exercise  SKINS 5683 Exercise Evaluation and Prescription  Electives  Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5963 APA I: Disability Sport and Fitness  KINS 6523 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	Code	Title	SCHs
KINS 5033 Applied Statistical Principles  Exercise Physiology Emphasis  KINS 5553 Advanced Exercise Physiology  KINS 5573 Graded Exercise Testing  SINS 5593 Environmental Exercise Physiology  KINS 5613 Cardiovascular Response to Exercise  SINS 5683 Exercise Evaluation and Prescription  Electives  Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6523 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	Kinesiology Core		
Exercise Physiology Emphasis  KINS 5553 Advanced Exercise Physiology  KINS 5573 Graded Exercise Testing  KINS 5593 Environmental Exercise Physiology  KINS 5613 Cardiovascular Response to Exercise  KINS 5683 Exercise Evaluation and Prescription  Electives  Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6523 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Gerontology  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5023	Methods of Research	3
KINS 5553 Advanced Exercise Physiology  KINS 5573 Graded Exercise Testing  KINS 5593 Environmental Exercise Physiology  KINS 5613 Cardiovascular Response to Exercise  KINS 5683 Exercise Evaluation and Prescription  SElectives  Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6523 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Gerontology  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5033	Applied Statistical Principles	3
KINS 5573 Graded Exercise Testing KINS 5593 Environmental Exercise Physiology KINS 5613 Cardiovascular Response to Exercise KINS 5683 Exercise Evaluation and Prescription 32 Electives Choose 3 SCH in consultation with advisor KINS 5263 Sport Psychology KINS 5273 Sport Conditioning and Nutrition KINS 5503 Physiological Responses During Alternative Modes of Exercise KINS 5513 Mechanical Analysis of Human Motion KINS 5583 Hormonal Responses during Exercise KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology KINS 5813 Research in Kinesiology KINS 5883 APA II: Disability Sport and Fitness KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Gerontology NFS 5443 Nutrition and Exercise Other options are available — consult your advisor or the Graduate Coordinator Culminating Experience	Exercise Physiolo	gy Emphasis	
KINS 5593 Environmental Exercise Physiology KINS 5613 Cardiovascular Response to Exercise KINS 5683 Exercise Evaluation and Prescription 3 Electives Choose 3 SCH in consultation with advisor KINS 5263 Sport Psychology KINS 5273 Sport Conditioning and Nutrition KINS 5503 Physiological Responses During Alternative Modes of Exercise KINS 5513 Mechanical Analysis of Human Motion KINS 5583 Hormonal Responses during Exercise KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology KINS 5813 Research in Kinesiology KINS 5883 APA II: Disability Sport and Fitness KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Gerontology NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available — consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5553	Advanced Exercise Physiology	3
KINS 5613 Cardiovascular Response to Exercise  KINS 5683 Exercise Evaluation and Prescription  Selectives  Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5813 Research in Kinesiology  KINS 5913 Independent Study  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available – consult your advisor or the Graduate Coordinator  Cullminating Experience	KINS 5573	Graded Exercise Testing	3
Electives Choose 3 SCH in consultation with advisor KINS 5263 Sport Psychology KINS 5273 Sport Conditioning and Nutrition KINS 5503 Physiological Responses During Alternative Modes of Exercise KINS 5513 Mechanical Analysis of Human Motion KINS 5583 Hormonal Responses during Exercise KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology KINS 5813 Research in Kinesiology KINS 5883 APA II: Disability Sport and Fitness KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5583 Nutrition and Exercise Other options are available — consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5593	Environmental Exercise Physiology	3
Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Gerontology  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Cullminating Experience	KINS 5613	Cardiovascular Response to Exercise	3
Choose 3 SCH in consultation with advisor  KINS 5263 Sport Psychology  KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5683	Exercise Evaluation and Prescription	3
KINS 5263 Sport Psychology KINS 5273 Sport Conditioning and Nutrition KINS 5503 Physiological Responses During Alternative Modes of Exercise KINS 5513 Mechanical Analysis of Human Motion KINS 5583 Hormonal Responses during Exercise KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology KINS 5813 Research in Kinesiology KINS 5883 APA II: Disability Sport and Fitness KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available — consult your advisor or the Graduate Coordinator Culminating Experience	Electives		
KINS 5273 Sport Conditioning and Nutrition  KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	Choose 3 SCH in o	consultation with advisor	3
KINS 5503 Physiological Responses During Alternative Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5263	Sport Psychology	
Modes of Exercise  KINS 5513 Mechanical Analysis of Human Motion  KINS 5583 Hormonal Responses during Exercise  KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5273	Sport Conditioning and Nutrition	
KINS 5583 Hormonal Responses during Exercise KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology KINS 5813 Research in Kinesiology KINS 5883 APA II: Disability Sport and Fitness KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5503		
KINS 5693 Applied Techniques in Biomechanics and Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available — consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5513	Mechanical Analysis of Human Motion	
Exercise Physiology  KINS 5813 Research in Kinesiology  KINS 5883 APA II: Disability Sport and Fitness  KINS 5913 Independent Study  KINS 5963 APA I: Disability Sport and Fitness  KINS 6223 Neuromuscular Physiology  KINS 6563 Human Motor Control  KINS 6573 Motor Learning and Performance  NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available – consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 5583	Hormonal Responses during Exercise	
KINS 5883 APA II: Disability Sport and Fitness KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available — consult your advisor or the Graduate Coordinator	KINS 5693	• • • • • • • • • • • • • • • • • • • •	
KINS 5913 Independent Study KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5813	Research in Kinesiology	
KINS 5963 APA I: Disability Sport and Fitness KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5883	APA II: Disability Sport and Fitness	
KINS 6223 Neuromuscular Physiology KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5913	Independent Study	
KINS 6563 Human Motor Control KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 5963	APA I: Disability Sport and Fitness	
KINS 6573 Motor Learning and Performance NFS 5363 Human Nutrition in Disease NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 6223	Neuromuscular Physiology	
NFS 5363 Human Nutrition in Disease  NFS 5423 Nutrition and Gerontology  NFS 5443 Nutrition and Women's Health  NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available – consult your advisor or the Graduate Coordinator  Culminating Experience	KINS 6563	Human Motor Control	
NFS 5423 Nutrition and Gerontology NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	KINS 6573	Motor Learning and Performance	
NFS 5443 Nutrition and Women's Health NFS 5473 Advanced Preventive Nutrition NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	NFS 5363	Human Nutrition in Disease	
NFS 5473 Advanced Preventive Nutrition  NFS 5583 Nutrition and Exercise  Other options are available – consult your advisor or the Graduate Coordinator  Culminating Experience	NFS 5423	Nutrition and Gerontology	
NFS 5583 Nutrition and Exercise Other options are available – consult your advisor or the Graduate Coordinator Culminating Experience	NFS 5443	Nutrition and Women's Health	
Other options are available – consult your advisor or the Graduate Coordinator  Culminating Experience	NFS 5473	Advanced Preventive Nutrition	
Graduate Coordinator Culminating Experience	NFS 5583	Nutrition and Exercise	
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KINS 5983 Thesis 3	Culminating Expe	rience	
	KINS 5983	Thesis	3

### ernshin/Professional Affiliation Ontion (26 SCH)

Thesis

KINS 5993

**Total SCHs** 

Internship/Profe	essional Affiliation Uption (36 SCH)	
Code	Title	SCHs
<b>Kinesiology Core</b>		
KINS 5023	Methods of Research	3
KINS 5033	Applied Statistical Principles	3
Exercise Physiolo	ogy Emphasis	
KINS 5553	Advanced Exercise Physiology	3
KINS 5573	Graded Exercise Testing	3
KINS 5593	Environmental Exercise Physiology	3
KINS 5613	Cardiovascular Response to Exercise	3
KINS 5683	Exercise Evaluation and Prescription	3

		36
Certification Exar	m	
KINS 5123	Professional Affiliation	3
Culminating Expe	erience	
Graduate Coor	dinator	
Other options	are available – consult your advisor or the	
NFS 5583	Nutrition and Exercise	
NFS 5473	Advanced Preventive Nutrition	
NFS 5443	Nutrition and Women's Health	
NFS 5423	Nutrition and Gerontology	
NFS 5363	Human Nutrition in Disease	
KINS 6573	Motor Learning and Performance	
KINS 6563	Human Motor Control	
KINS 6223	Neuromuscular Physiology	
KINS 5963	APA I: Disability Sport and Fitness	
KINS 5913	Independent Study	
KINS 5883	APA II: Disability Sport and Fitness	
KINS 5813	Research in Kinesiology	
KINS 5693	Applied Techniques in Biomechanics and Exercise Physiology	
KINS 5583	Hormonal Responses during Exercise	
KINS 5513	Mechanical Analysis of Human Motion	
KINS 5503	Physiological Responses During Alternative Modes of Exercise	
KINS 5273	Sport Conditioning and Nutrition	
KINS 5263	Sport Psychology	
Choose 12 SCH ii	n consultation with advisor	1:
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## SHPK Master's Program Policies

### **Culminating Experience**

After completing 24 semester credit hours of required coursework (including core courses), School of Health Promotion and Kinesiology students are eligible to complete their culminating experience. Students in the Exercise Physiology emphasis area may choose one of two culminating options: 1) Thesis or 2) Internship/Professional Affiliation. Students are responsible for reviewing their emphasis area degree requirements, consulting with emphasis area faculty, and familiarizing themselves with the available options. Specific steps to complete each culminating experience option are located within the School of Health Promotion and Kinesiology (SHPK) Graduate Student Handbook.

#### Thesis

All School of Health Promotion and Kinesiology master's students who select the thesis option are required to prepare, present, and orally defend a thesis reflecting substantial and independent research. The Thesis Research Committee must be formed according to Graduate School policies. Committees must include a minimum of three faculty members, with one faculty member being from outside the major/emphasis area. The School of Health Promotion and Kinesiology stipulates that a 10-class day reading period be granted to every research committee member for any thesis-related documents. No thesis research committee meetings may be scheduled or conducted during the last two weeks (last week of classes and finals week) of any semester. Refer to the Graduate School policy for Thesis grading options. Any student in SHPK receiving two consecutive enrolled semesters of LP (Lack of Adequate Progress)

and/or NP (No Progress) grades or three cumulative semesters of LP and/or NP grades will be dismissed from the program.

#### **Internship/Professional Affiliation**

To complete an internship or professional affiliation, a master's student must enroll in a three-hour internship/professional affiliation course. A student may not register for the internship/professional affiliation course if final grade(s) for core course(s) are pending or if the student has an incomplete grade pending for any core course. Each master's student must contact their major professor to confirm eligibility and request approval to enroll in the internship/professional affiliation course.

The internship/professional affiliation site must be approved by the major professor and/or faculty member directing the internship/professional affiliation. The internship/professional affiliation must include at least 350 hours of site work for academic credit; however, the internship/professional affiliation site may require additional hours. Students must submit a log or logs of work hours completed and an evaluation of the internship/professional affiliation site. Students must also have the site supervisor submit two evaluations (midterm and final) to the internship/professional affiliation instructor.

# National Certification Exam plus 250 Internship/Professional Affiliation Hours

The internship/professional affiliation must be completed according to the above internship/professional affiliation policy, but only 250 hours of site work are required. The major professor must approve the national certification exam before sitting for the exam. Students must pass the exam to be eligible for graduation.