MASTER OF SCIENCE IN KINESIOLOGY (EXERCISE PHYSIOLOGY)

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

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: 30-36 semester credit hours (SCH).

Coursework Option: 36 semester credit hours (SCH).

Thesis Option (30 SCH)

Code	Title	SCHs
Kinesiology Core		
KINS 5023	Methods of Research	3
KINS 5033	Applied Statistical Principles	3
Excercise Physiology 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
Electives		
Choose 3 SCH in consultation with advisor		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		
KINS 5983	Thesis	3
KINS 5993	Thesis	3
Total SCHs		30

Coursework Option (36 SCH)

Code	Title	SCHs
Kinesiology Core		
KINS 5023	Methods of Research	3
KINS 5033	Applied Statistical Principles	3
Exercise Physiology 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
Electives		
Choose 12 SCH in consultation with advisor		12
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 5123	Professional Affiliation	3
Certification Exam		
Total SCHs		36