

DOCTOR OF PHILOSOPHY IN KINESIOLOGY

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

Biomechanics, exercise physiology, biochemistry, motor behavior, adapted physical activity/education, and sport management laboratories have been dedicated specifically for teaching and research. These well-equipped facilities permit research studies on persons with and without disabilities in the areas of stress testing, body composition assessment, bone density, cardiovascular respiratory analysis, blood biochemistry analysis that includes glucose, lactate, insulin, C-peptide, and a variety of other hormones and metabolites; isokinetic, isometric, and isotonic strength testing; anthropometry; telemetry; and high-speed motion analysis, among others.

Marketable Skills

Defined by the Texas Higher Education Coordinating Board's 60x30 Strategic Plan (<http://www.60x30tx.com/>) as, "Those skills valued by employers that can be applied in a variety of work settings, including interpersonal, cognitive, and applied skills areas. These skills can be either primary or complementary to a major and are acquired by students through education, including curricular, co-curricular, and extracurricular activities."

1. Successfully conduct and disseminate research within the field of Kinesiology.
2. Successfully design a Kinesiology grant proposal.

Admissions

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

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

Degree Requirements

Total Semester Credit Hours Required

96 semester credit hours, including approved semester credit hours from master's level work and 6 semester credit hours for dissertation.

Code	Title	SCHs
Required Courses		
KINS 5033	Applied Statistical Principles (Research tools)	3
KINS 6043	Statistical Inference (Research tools)	3
KINS 6113	Seminar	3
KINS 6143	Research Design in Kinesiology (Research tools)	3
HSC 6831	Integration of Theory and Research in Health Sciences	1
Emphasis Area (Must select one)		77
Dissertation		
KINS 6983	Dissertation (I)	3

KINS 6993	Dissertation (II)	3
Total SCHs		96

Adapted Physical Activity Emphasis

Code	Title	SCHs
KINS 5603	Growth and Perceptual Motor Development for Individuals with Low Incidence Disabilities	3
KINS 5853	Assessment in Adapted Physical Education	3
KINS 5793	Pedagogy I: Behavior Management in APE Environments	3
KINS 5863	Pedagogy II: Instructional Strategies in APE Environments	3
KINS 5843	Pedagogy III: APA and the APENS Theory to Practice	3
KINS 5963	APA I: Disability Sport and Fitness	3
KINS 5883	APA II: Disability Sport and Fitness	3
KINS 6611	College Level Instructional Design and Delivery in Kinesiology (Taken a minimum of 3 times)	3
KINS 6711	Advanced Research in Adapted Physical Activity Doctoral Seminar (Taken a minimum of 3 times)	3
KINS 6813	Advanced Research in Kinesiology	3

Minor or Related Studies (As approved by Advisory Committee) 24

May include		
EDSP 6603	Social Constructs of Disabilities (Research Tools)	
PSY 6863	Qualitative Research Methods and Program Evaluation (Research Tools)	
HDFS 6793	Advanced Qualitative Research Methods In Family Sciences (Research Tools)	

Elective or Appropriate Courses from Master's Degree (As approved by Advisory Committee) 23

May include		
KINS 6133	Professional Internship	
KINS 6853	Practicum: Appraisal in Adapted Physical Education	
HSC 6803	Grant Writing	
HDFS 6343	Effective College Teaching Methods	

Total SCHs		77
-------------------	--	-----------

Biomechanics and Motor Behavior Emphasis

Code	Title	SCHs
KINS 5513	Mechanical Analysis of Human Motion	3
KINS 6523	Advanced Biomechanics	3
KINS 6563	Human Motor Control	3
KINS 6573	Motor Learning and Performance	3
KINS 6623	Biomechanical Analysis I: Motion Analysis	3
KINS 6643	Biomechanical Analysis II: Data Acquisition and Instrumentation	3
KINS 6813	Advanced Research in Kinesiology (Taken 4 times)	12

Minor or Related Studies (As approved by Advisory Committee) 21

May include		
MATH 5513	Matrix Algebra	

MATH 5593	Differential Equations	
MATH 5573	Statistical Methods I (Research Tools)	
MATH 5583	Statistical Methods II (Research Tools)	
MATH 5913	Independent Study	
CSCI 5103	Fundamentals of Informatics	
CSCI 5663	Statistical Programming (Research Tools)	
CSCI 5913	Independent Study	
PT 6913	Independent Study	
Electives or Appropriate Coursework from Master's Degree (As approved by Advisory Committee)		26
May include		
HS 5063	Aging and Health	
HS 6403	Environmental Health	
KINS 5123	Professional Affiliation	
KINS 5203	Theory of Coaching	
KINS 5263	Sport Psychology	
KINS 5273	Sport Conditioning and Nutrition	
KINS 5293	Technical Skills Analysis	
KINS 5503	Physiological Responses During Alternative Modes of Exercise	
KINS 5553	Advanced Exercise Physiology	
KINS 5593	Environmental Exercise Physiology	
KINS 5603	Growth and Perceptual Motor Development for Individuals with Low Incidence Disabilities	
KINS 5613	Cardiovascular Response to Exercise	
KINS 5693	Applied Techniques in Biomechanics and Exercise Physiology	
KINS 5963	APA I: Disability Sport and Fitness	
KINS 5883	APA II: Disability Sport and Fitness	
KINS 6813	Advanced Research in Kinesiology	
KINS 6903	Special Topics	
KINS 6913	Independent Study	
Total SCHs		77

Exercise Physiology Emphasis

Code	Title	SCHs
KINS 5553	Advanced Exercise Physiology	3
KINS 5573	Graded Exercise Testing	3
KINS 5583	Hormonal Responses during Exercise	3
KINS 5613	Cardiovascular Response to Exercise	3
KINS 5683	Exercise Evaluation and Prescription	3
KINS 6821	Research in Exercise Physiology (Taken 3 times)	3
KINS 6813	Advanced Research in Kinesiology (Taken 3 times)	9
Minor or Related Studies (As approved by Advisory Committee)		15
Elective or Appropriate Work from Master's Degree (As approved by Advisory Committee)		35
Total SCHs		77

Sport Management Emphasis

Code	Title	SCHs
KINS 5403	Leadership Theory and Practice in Sport and the Health Sciences	3

KINS 5413	The Sport Industry	3
KINS 5423	Governance, Policy Development, and Ethics in Sport	3
KINS 5443	Sport for Development	3
KINS 5453	Financing the Sport Enterprise	3
KINS 5463	Legal Issues in Sport	3
KINS 5473	Sport Media and Marketing	3
KINS 5493	Sport Venue and Event Management	3
KINS 5723	Sport in American Society	3
KINS 6413	Research Seminar in Sport Management (Taken 3 times)	9
KINS 6813	Advanced Research in Kinesiology	3
Minor or Related Studies (As approved by Advisory Committee)		18
Must include		
HSC 6803	Grant Writing	
Elective or Appropriate Work from Master's Degree (As approved by Advisory Committee)		20
Total SCHs		77

Required Courses

13 semester credit hours.

Emphasis

77 semester credit hours, depending on emphasis area and recommendations of the Advisory Committee. Includes Minor or Related Studies and/or Electives and Appropriate Coursework from Master's Degree in consultation with the Advisory Committee.

Dissertation

Six semester credit hours.

Special Requirements

At least nine semester credit hours of course work must be taken outside the major.

Research Tools

The student in consultation with the Advisory Committee will determine 12 semester credit hours designated as research tools.

Qualifying Examination

The exam is comprised of four written sections over selected areas of the student's emphases and an oral defense of written responses. May be repeated once.

Final Examination

Oral examination conducted by the Dissertation Committee over the candidate's research after the dissertation is completed. May be repeated at the discretion of the committee.