

# DOCTOR OF PHILOSOPHY IN KINESIOLOGY (BIOMECHANICS AND MOTOR BEHAVIOR)

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

## 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
<b>Required Courses: SHPK Core</b>		
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
<b>Dissertation</b>		
KINS 6983	Dissertation (I)	3
KINS 6993	Dissertation (II)	3
<b>Total SCHs</b>		<b>19</b>
<b>Biomechanics and Motor Behavior Emphasis</b>		
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
<b>Minor, Related Studies or Electives (As approved by Advisory Committee)</b>		<b>21</b>
<b>Appropriate Coursework from Master's Degree (As approved by Advisory Committee)</b>		<b>26</b>
<b>Total SCHs</b>		<b>77</b>

## Required Courses

13 semester credit hours.

## Emphasis

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

## Dissertation

6 semester credit hours of dissertation work with the committee chair. The first 3 credit course focuses on the development and oral defense of the research proposal. The student enrolls in a second 3 credit course to conduct the dissertation study, analyze results, and present findings. Both courses may be repeated, but only three hours of credit count toward the degree for each course.

## Research Tools

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

## Qualifying Examination

Candidates for the doctoral degree must pass a qualifying process and comprehensive examination ascertaining a student's:

1. breadth and depth of knowledge requisite to perform successfully within the profession,
2. understanding and application of a discipline's foundational literature, and
3. readiness to complete a dissertation.

The exam is comprised of four written sections covering selected areas of the student's emphases and an oral defense of written responses. It may be repeated once. Students are eligible to begin the comprehensive exam process during their final semester of coursework and after completing all prerequisites (if admitted conditionally), all research tools, and all core courses. The exams may be repeated only once. A student who fails a second comprehensive exam attempt will be removed from the Kinesiology doctoral program.

## Final Examination

The Dissertation Committee conducts an oral examination of the candidate's research after the dissertation is completed. At the committee's discretion, the examination may be repeated only once.