

MASTER OF SCIENCE IN KINESIOLOGY (BIOMECHANICS AND MOTOR BEHAVIOR)

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

Degree Requirements

Prerequisites

- Anatomy (Functional Anatomy)
- Kinesiology & Biomechanics
- Motor Learning & Control
- Exercise Physiology

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)

Publishable Manuscript Option: 36 semester credit hours (SCH)

Thesis Option (30 SCH)

Code	Title	SCHs
Kinesiology Core		6
KINS 5023	Methods of Research	
KINS 5033	Applied Statistical Principles	
Biomechanics & Motor Behavior Emphasis		12
KINS 5513	Mechanical Analysis of Human Motion	
KINS 6563	Human Motor Control	
KINS 6623	Biomechanical Analysis I: Motion Analysis	
KINS 6643	Biomechanical Analysis II: Data Acquisition and Instrumentation	
Biomechanics & Motor Behavior Electives		6
Select 6 SCH in consultation with advisor		
KINS 5903	Special Topics	
KINS 5813	Research in Kinesiology	
KINS 5913	Independent Study	
KINS 6523	Advanced Biomechanics	
KINS 6573	Motor Learning and Performance	
MATH 5913	Independent Study	
Culminating Experience		
KINS 5983	Thesis	3
KINS 5993	Thesis	3
Total SCHs		30

Publishable Manuscript Option (36 SCH)

Code	Title	SCHs
Kinesiology Core		6
KINS 5023	Methods of Research	
KINS 5033	Applied Statistical Principles	

Biomechanics & Motor Behavior Emphasis		15
KINS 5513	Mechanical Analysis of Human Motion	
KINS 6523	Advanced Biomechanics	
KINS 6563	Human Motor Control	
KINS 6623	Biomechanical Analysis I: Motion Analysis	
KINS 6643	Biomechanical Analysis II: Data Acquisition and Instrumentation	
Biomechanics & Motor Behavior Electives		12
Select 12 SCH in consultation with advisor		
KINS 5123	Professional Affiliation	
KINS 5903	Special Topics	
KINS 5913	Independent Study	
KINS 6573	Motor Learning and Performance	
MATH 5913	Independent Study	
Culminating Experience		3
KINS 5973	Professional Paper and Project	
Total SCHs		36

Optional Minor (6 SCH)

Students pursuing M.S. with Biomechanics and Motor Behavior emphasis typically do a minor in Math.