

## **M.S. in Exercise Physiology (Thesis)**

The M.S. in Kinesiology with an emphasis in **Exercise Physiology** provides advanced training in the physiological responses to acute exercise and the adaptations that occur with training. *It is important to note that this is a different option from those in clinical exercise physiology and sports physiology.*

### **Required Courses**

<b>Course Title</b>	<b>Course Description</b>	<b>Credit Hours</b>
	<b>Total Minimum Requirement</b>	<b>32</b>
KINE 601	Reading Research Publications in Kinesiology	3
KINE 681	Seminar (2 semesters)	2
KINE 691	Research (minimum requirement)	6
STAT 651	Statistics in Research I	3
-or-		
KINE 690	Theory of Kinesiology Research	3

### **Core Required Courses for Exercise Physiology Specialty**

KINE 637	Exercise Physiology I	3
KINE 638	Exercise Physiology II	3
KINE 647	Instrumentation and Techniques in Exercise Physiol I	2
KINE 648	Instrumentation and Techniques in Exercise Physiol II	2

### **Elective Courses (as approved by the Chair of the student's Advisory Committee as well as members of the Committee)**

Kinesiology Electives (minimum requirement)	2
Outside elective (minimum requirement)	3
Unspecified electives	3

### **REQUIRED UNDERGRADUATE COMPETENCIES:**

Courses completed at Texas A&M University or their equivalents taken from another accredited undergraduate institution as verified in the application form and by transcript. Courses taken on-line or at distance will not be accepted for laboratory-enhanced courses. Please note that any deficiencies noted on the student application and transcript will require leveling courses upon arrival, if accepted into the program. These leveling courses may or may not apply to the graduate degree plan.

BIOL 319 & 320	Human Anatomy and Physiology I & II
CHEM 101 & 102	Fundamentals of Chemistry I & II with laboratories
KINE 433	Physiology of Exercise
MATH 131	Calculus or equivalent
PHYS 201	College Physics
or	
KINE 426	Exercise Biomechanics