



Faculty Advisor

*Augusto X. Rodriguez, Ph.D.	axr1@rice.edu	713.348.8817
*Amanda Perkins-Ball, Ph.D.	aperkinsball@rice.edu	713.348.2188
*Laura Kabiri, PT, DPT, PhD, CSCS	laura.kabiri@rice.edu	713.348.2012

**SPORTS MEDICINE & EXERCISE PHYSIOLOGY
DEGREE REQUIREMENTS**

Required Courses

HEAL 103	(3)	Nutrition
KINE 300	(4)	Human Anatomy with Lab
KINE 301	(3)	Human Physiology
KINE 302	(3)	Biomechanics (Prerequisite: KINE 300)
KINE 310	(3)	Psychological Aspects of Sport and Exercise
KINE 311	(3)	Motor Learning
KINE 319	(3)	Statistics for the Health Professional
KINE 321	(3)	Exercise Physiology (Prerequisite: KINE 300 & KINE 301)
KINE 440	(3)	Research Methods (Prerequisite: KINE 319)

Total Core Lecture Hours: (28)

Electives

KINE/HEAL Courses:

HEAL 132	(3)	Medical Terminology
HEAL 407	(3)	Epidemiology
KINE 120	(3)	Foundations of Kinesiology
KINE 320	(1)	Human Physiology Lab
KINE 326	(3)	Physical Activity Epidemiology
KINE 351	(1)	Advanced Human Anatomy Lab (Prerequisite: KINE 300)
KINE 375	(1-3)	Internship in Sports Medicine/Exercise Science**
KINE 403	(3)	Sports Nutrition (Prerequisite: HEAL 103)
KINE 410	(3)	Case Studies in Human Performance
KINE 412	(3)	Motor Control (Prerequisite: KINE 311)
KINE 415	(3)	Psychological Aspects of Sports Injury & Rehabilitation
KINE 419	(3)	Movement Disorders
KINE 421	(3)	Advanced Topics in Exercise Physiology & Preventive Medicine (Prerequisite: KINE 321)
KINE 430	(3)	Sports Injury: Evaluation, Management, & Treatment (Prerequisites: KINE 300)
KINE 495	(1-3)	Independent Research**
KINE 498	(1-3)	Special Topics in Sports Medicine

Course information continued on back.

Non-KINE Courses:

BIOS 201	(3)	Introductory Biology I
BIOS 202	(3)	Introductory Biology II (Prerequisite: BIOS 201)
BIOS 211	(3)	Introductory Experimental Biosciences (Prerequisite: BIOC 201)
BIOS 301	(3)	Biochemistry I (Prerequisites: CHEM 211 & BIOS 201)
BIOS 302	(3)	Biochemistry II (Prerequisite: BIOS 301)
BIOS 311	(3)	Advanced Experimental Biosciences (Prerequisites: BIOS 211 or BIOS 212, BIOS 301)
BIOS 313	(3)	Experimental Synthetic Bio (Prerequisites: BIOS 211 or BIOS 211 or permission of instructor)
BIOC 372	(3)	Immunology (Prerequisite: BIOS 201)
CHEM 121/123	(4)	General Chemistry I with Lab
CHEM 122/124	(4)	General Chemistry II with Lab (Prerequisite: CHEM 121)
CHEM 151/153	(4)	Honors Chemistry I with Lab
CHEM 152/154	(4)	Honors Chemistry II with Lab (Prerequisite: CHEM 151)
PHYS 101/103	(4)	Mechanics with Lab
PHYS 102/104	(4)	Electricity and Magnetism with Lab
PHYS 125	(4)	General Physics I with Lab
PHYS 126	(4)	General Physics II with Lab (Prerequisite: PHYS 125 or 101 or 111 or 141)
PSYC 202	(3)	Introduction to Social Psychology (Prerequisites: PSYC 101 or permission of instructor)
PSYC 203	(3)	Introduction to Cognitive Psychology
PSYC 321	(3)	Developmental Psychology (Prerequisite: PSYC 202 or PSYC 203 or permission of instructor)

Total Elective Hours: (15)

Total Hours: (43)

*15 hours of electives must be selected from the list. Independent Research or Internship will satisfy up to 3 hours of required electives. In addition, students are urged to take additional electives in 3 different disciplines of the Natural Sciences.

**Prerequisite: Approval by Faculty Advisor



RICE NATURAL SCIENCES
Kinesiology

Last Updated March 2022