



RICE UNIVERSITY

Wiess School of Natural Sciences

Department of Kinesiology

Faculty Advisor

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**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 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
KINE 499	(1-3)	Teaching Practicum

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



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