

## EXERCISE SCIENCE MAJOR PRE-PHYSICAL THERAPY COURSE SEQUENCE

The following course sequence is recommended; however, the schedule is flexible.

BIOL 221 must be taken before taking KIN 321. KIN 150 should be taken as early as possible and before KIN 321. MATH 115 must be completed before taking KIN 310. KIN 200 must be taken before KIN 300, and KIN 300 must be taken before KIN 383. Additionally, KIN 321 must be completed before taking KIN 421. KIN 321, 310, CHEM Pre-req., and MATH 115 must be completed before taking KIN 422.

The following sequence of courses serves as a suggestion only. PT schools may have different prerequisites; therefore, you should see the health professions advisor **AND** an exercise science advisor as soon as possible. In addition, you should check the required courses for professional schools to which you plan to apply.

FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
FALL	FALL	FALL	FALL
CHEM 125/127 – General Chemistry I & Lab OR CHEM 131/132 – Intensive General Chemistry & Lab  MATH 115 – Intro to Statistics  KIN 150 – Intro to Writing in Exercise Science  *PSY 100 – Intro Psychology OR other General Education classes	*BIO 105/107 – General Biology I & Lab  BIOL 221/221L – Human Physiology & Lab	KIN 300/300L – Anatomical Kinesiology & Lab  KIN 421/421L – Clinical Exercise Physiology & Lab  *PSY 230/230F – Developmental Psychology & Field placement  *PHYS 105/107– College Physics I & Lab	KIN 499 – Special Studies OR KIN 299 – Internships  KIN 422/422L – Regulation of Human Metabolism & Lab
SPRING	SPRING	SPRING	SPRING
*CHEM 126/128 – General Chemistry II & Lab (if you did not take CHEM 131)  KIN 200/200L – Human Anatomy & Lab  KIN 150 – Intro to Writing in Exercise Science (if not previously taken)  *MATH 123 – A Study of Functions	*BIO 106/108 – General Biology II & Lab  KIN 200/200L – Human Anatomy & Lab (if not previously taken)  KIN 310/310L – Research Methods & Lab  KIN 208 – Intro to Nutrition OR Junior year  KIN 321/321L – Exercise Physiology & Lab	KIN 383/383L – Biomechanics & Lab  *PHYS 106/108 – College Physics II & Lab  KIN 208 – Intro to Nutrition (if not previously taken)	KIN Elective

## EXERCISE SCIENCE MAJOR PRE-PHYSICAL THERAPY TRACK

### **REQUIRED COURSES:**

		<u>Credits</u>	<u>Sem</u>	<u>Prerequisites</u>
KIN 150	Introduction to Writing in Exercise Science	1	F/S	
KIN 200/200L	Human Anatomy (BIO 222)	3+1	F/S	
KIN 208	Introduction to Nutrition	3	F/S	
KIN 300/300L	Anatomical Kinesiology	3+.50	F	KIN 200/200L
KIN 310/310L	Research Methods in Kinesiology	3+1	F/S	MATH 115
KIN 321/321L	Exercise Physiology & Lab	3+1	F/S	BIO 221
KIN 421/421L	Clinical Exercise Physiology & Lab	3+1	F/S	KIN 321/321L; BIO 221
KIN 383/383L	Biomechanics	3+.50	S	KIN 200/200L; KIN 300/300L
KIN 422/422L	Regulation of Human Metabolism	3+1	F/S	KIN 310/310L; KIN 321/321L, and CHEM Pre-req.
KIN 499	Special Studies in Exercise Science	3	F/S	KIN 310/310L
OR				
KIN 299	Internships	3	F/S/Summer	

### **REQUIRED CORE COURSES:**

CHEM 125/127	General Chemistry I & Lab	3+1	F	
OR				
CHEM 131/132	Accelerated General Chemistry & Lab	3+1	F	Written permission from instructor
BIO 221/221L	Human Physiology & Laboratory	3+1	F	
MATH 115	Introductory Statistics	3	F/S	

### **REQUIRED BY MOST PT SCHOOLS: (not required for exercise science major)**

BIO 105/107	General Biology I & Lab	3+1	F	
BIO 106/108	General Biology II & Lab	3+1	S	
CHEM 125/127	General Chemistry I & Lab	3+1	F	Written permission from instructor(lab)
OR				
CHEM 131/132	Accelerated General Chemistry & Lab	3+1	F	Written permission from instructor
*CHEM 126/128	General Chemistry II & Lab	3+1	S	C- or better in CHEM 125
MATH 123	A Study of Functions	3	S	
PHYS 105/107	College Physics I & Lab	3+1	F	
PHYS 106/108	College Physics II & Lab	3+1	S	
PSY 100	Introduction to Psychology	3	F/S	
PSY 230/230F	Developmental Psych. & Field Placement	3+1	F/S	PSY 100

### **REQUIRED BY SOME PT SCHOOLS: (not included in suggested sequence)**

BIO 231/231L	Biology of Microorganisms & Lab	3+1		BIO 103 & CHEM 103 or equivalents
NURS 320	Pathophysiology	3		Written permission from dept. chair; BIO 103, BIO 222 or KIN 200, BIO 231, CHEM 103; all with C or better
PSY 325	Health Psychology	3		PSY 100

\* if you did not take CHEM 131

NOTE: See catalog for kinesiology electives options.