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**DEPARTMENT OF KINESIOLOGY**

**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 & LabORCHEM 131/132 – Intensive General Chemistry & LabMATH 115 – Intro to StatisticsKIN 150 – Intro to Writing in Exercise Science \*PSY 100 – Intro PsychologyOR other General Education classes | \*BIO 105/107 – General Biology I & LabBIOL 221/221L – Human Physiology & Lab | KIN 300/300L – Anatomical Kinesiology & LabKIN 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 & LabKIN 150 – Intro to Writing in Exercise Science (if not previously taken)\*MATH 123 – A Study of Functions | \*BIO 106/108 – General Biology II & LabKIN 200/200L – Human Anatomy & Lab (if not previously taken) KIN 310/310L – Research Methods & Lab KIN 208 – Intro to Nutrition OR Junior yearKIN 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 |

\*NOT required for exercise science major, but required for most PT schools. Check requirements for intended PT schools.

**EXERCISE SCIENCE MAJOR PRE-PHYSICAL THERAPY TRACK**

**REQUIRED COURSES:** Credits Sem Prerequisites

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.