# RECOMMENDED FOUR YEAR SEQUENCE FOR PRE-PHYSICAL THERAPY PATTERN

## RECOMMENDED MINIMUM GPA 3.25

### 2007-2008

#### FRESHMAN FALL
- Foreign Language (I) Requirement 3.0
- Truman Week Program 1.0
- **Biol 107** Introductory Biology I w/Lab (Life Science Mode)* 4.0
- ENG 190 Writing as Critical Thinking 3.0
- ES 190 Foundations of Exercise Science 3.0
- STAT 190 Basic Statistics 3.0

**SEMESTER TOTAL 17.0**

#### FRESHMAN SPRING
- Foreign Language (II) Requirement 3.0
- Mathematical Mode of Inquiry* 3.0- 5.0
- ES 192 Microcomputer Applications 2.0
- **ES 247** Data Interpretation 2.0
- ~ Pattern: Choose (Biol 108)* 3.0- 4.0

**SEMESTER TOTAL 13.0- 16.0**

#### SOPHOMORE FALL
- ES 232 Sport Mgmt (WE)* 3.0
- ES 270 Research Methods in Exercise Science 2.0
- HLTH 150 Nutrition in Health & Wellness 3.0
- **Psy 166** General Psychology (Social Scientific Mode)* 3.0
- ~ **Chem 120** Chemical Princ. I w/Lab (Physical Science Mode)* 5.0

**SEMESTER TOTAL 16.0**

#### SOPHOMORE SPRING
- ~ BIOL 325 Human Physiology 4.0
- ~ ES 342 Concepts of Biomechanics 3.0
- HLTH 195 Lifetime Health & Fitness (Personal Well-Being) 1.5
- HLTH 196 Lifetime Physical Activity (Personal Well-Being) *0.0- 0.5
- COMM 170 Public Speaking *0.0- 3.0
- ~ Pattern: CHEM 121 Chemical Principles II w/Lab 5.0

**SEMESTER TOTAL 13.5- 17.0**

#### JUNIOR FALL
- Mode of Inquiry Requirement* 3.0
- BIOL 365 Human Anatomy 3.0
- BIOL 365 Human Anatomy Lab 1.0
- ~ ES 334 Physiological Assessment 3.0
- ~ ES 344 Lifespan Motor Development 3.0
- ~ Pattern: Mode of Inquiry Requirement* 3.0

**SEMESTER TOTAL 16.0**

#### JUNIOR SPRING
- Interdisciplinary WE Junior Seminar (JINS) 3.0
- ~ ES 431 Injury Care or ~AT 420 Principles of Athl.Training 2.0- 3.0
- ~ ES 450 Professionals Issues in Exercise Science 1.0
- Intercultural Perspective Requirement 3.0
- ~ Pattern: ES 505 Advanced Biomechanical Analysis (WE) 3.0
- ~ Pattern: CHEM 121 Chemical Principles II w/Lab 5.0

**SEMESTER TOTAL 15.0- 17.0**

#### JUNIOR SUMMER
- Pattern: ES 370 Field Experience in Exercise Science 4.0
- ~ HIST 298 American Institutional History (MO Statute) 1.0

**SUMMER TOTAL 5.0**

#### SENIOR FALL
- ~ ES 345 Introduction to Exercise Physiology w/Lab 3.0
- ~ ES 45X: Applied Movement Analysis Course 1.0
- ~ ES 502 Social Prob. (WE) or ~ES 503 Ex. & Sport Psych (WE) 3.0
- ~ Pattern: Choose 1 (BIOL 108/AT 420/PSYC 366/369/377)* 3.0- 4.0
- ~ Pattern: PHYS 185 College Physics I 4.0

**SEMESTER TOTAL 14.0- 15.0**

#### SENIOR SPRING
- Mode of Inquiry Requirement* 3.0
- ~ ES 343 Motor Learning and Control 2.0
- ~ ES 434 Motor Learning and Control Lab (WE) 1.0
- ~ ES 456: Concepts of Aquatics 1.0
- ~ ES 45X: Applied Movement Analysis Course 1.0
- ~ Pattern: PHYS 186 College Physics II 4.0
- ~ Pattern: AT 350 Therapeutic Modalities 3.0
- □ Take HFI (Senior Test)

**SEMESTER TOTAL 15.0**

**Total Required Hours:** 124.5 134.0

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*Notes: All students must complete 7 of the 8 Modes of Inquiry; Exercise Science Pre-PT students are specifically required to complete BIOL 107 (Life Science Mode), PSYC 166 (Social Scientific Mode), and MATH 192, 194 or 198 (Mathematical Mode) to fulfill Required Support, as well as CHEM 120 (Physical Science Mode). MATH 198 is strongly recommended for Pre-Physical Therapy pattern. Students who desire to prepare further for Calculus or who were not placed in MATH 198 must first complete the Elementary Functions requirement by completing MATH 186 (or) MATH 156 & 157. The Writing Enhanced (WE) course requirements are met by 2 of the following: ES 232, ES 343 and/or ES 502/503. To fulfill pattern requirements, students must choose 3 courses from the following: BIOL 108/AT 420/PSYC 366/369/377. BIOL 108 (if chosen) is offered spring only and should be completed immediately following BIOL 107. AT 420 (if chosen) is offered spring only and should be completed after ES 431. PSYC 366/369/377 (if any chosen) should be completed after PSYC 166.

* COMM 170 test-out procedure is available on the following website: [http://rcp.truman.edu/speech/testout.htm](http://rcp.truman.edu/speech/testout.htm). Students who earn varsity sport credit may use this credit in place of HLTH 196 (activity only).

~ Indicates a course with pre-requisite(s). See catalog or pre-requisite list. Underlined courses indicate those that are offered fall only, spring only, or summer only.

# This document reflects the recommended 4-year sequencing of courses specifically required for the Pre-Physical Therapy/Exercise Science pattern. A minor in Biology will be awarded to students who complete this pattern and satisfy all other requirements for the minor.