## Exercise Science

**RECOMMENDED FOUR YEAR SEQUENCE FOR PRE-MEDICINE PATTERN**

**MINIMUM GPA 3.25**

<table>
<thead>
<tr>
<th>2002-2003</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN FALL</strong></td>
<td><strong>FRESHMAN SPRING</strong></td>
</tr>
<tr>
<td>Truman Week Program</td>
<td><strong>Pattern:</strong> BIOL 108 Introductory Biology II</td>
</tr>
<tr>
<td>Foreign Language (I) Requirement</td>
<td>CHEM 120 General Chemistry I</td>
</tr>
<tr>
<td>BIOL 107 Introductory Biology I</td>
<td>ES 205 Community First Aid &amp; CPR</td>
</tr>
<tr>
<td>Elementary Functions Requirement 0-5</td>
<td>Foreign Language (II) Requirement 0-3</td>
</tr>
<tr>
<td>HLTH 194 Lifetime Health &amp; Fitness</td>
<td>STAT 190 Basic Statistics</td>
</tr>
<tr>
<td>Extended TW: ES 190 Foundations of Exercise Science</td>
<td>Individual Activity 0.5-1</td>
</tr>
<tr>
<td><strong>SEMMESTER TOTAL 13-18</strong></td>
<td><strong>SEMMESTER TOTAL 13.5-17</strong></td>
</tr>
</tbody>
</table>

**FRESHMAN SUMMER**

- Pattern: CHEM 121 General Chemistry II 4
- **SUMMER TOTAL 4**

**SOPHOMORE FALL**

- Pattern: CHEM 329 Organic Chemistry I 3
- Mathematical Mode Requirement 3-5
- ENG 190 Writing as Critical Thinking 3
- ES 346 Microcomputer Applications 3
- COMM 170 Fundamentals of Speech 3
- **SEMMESTER TOTAL 15-17**

**SOPHOMORE SPRING**

- Pattern: CHEM 330 Organic Chemistry I Lab 1
- **Pattern:** CHEM 331 Organic Chemistry II 3
- ES 334 Physiological Assessment 3
- ES 447 Data Interpretation 2
- **Pattern:** BIOL 325 Human Physiology 4
- PSYC 166 General Psychology 3
- HLTH 245/260/270 Health Course 3
- Team Sport 0.5
- **SEMMESTER TOTAL 16.5**

**SOPHOMORE SUMMER**

- Pattern: CHEM 331 Organic Chemistry II 3
- **SUMMER TOTAL 3**

**JUNIOR FALL**

- Pattern: PHYS 185 College Physics I 4
- BIOL 365 Human Anatomy 3
- **Pattern:** BIOL 365 Human Anatomy Lab 1
- Historical Mode Requirement 3
- **Pattern:** CHEM 332 Organic Chemistry II Lab 1
- HLTH 150 Nutrition in Health & Wellness 3
- HIST 298 American Institutional History 1
- **SEMMESTER TOTAL 16**

**JUNIOR SPRING**

- Pattern: PHYS 186 College Physics II 4
- **Pattern:** ES 342 Concepts of Biomechanics 3
- **Pattern:** ES 345 Introduction to Exercise Physiology 3
- SOAN 190 Sociological or SOAN 191 Anthropological Inquiry 3
- Interdisciplinary WE Junior Seminar (JINS) 3
- Recreational Dance 1
- **SEMMESTER TOTAL 17**

**JUNIOR SUMMER**

- Pattern: ES 370 Field Experience 4
- **SUMMER TOTAL 4**

**SENIOR FALL**

- **Underlined** courses indicate those that are offered fall only, spring only, or summer only.

- ES 450 Senior Seminar 1
- **ES 344 Growth & Motor Development 3**
- **ES 343 Motor Learning and Control 2**
- **ES 343 Motor Learning and Control Lab 1**
- Fine Arts Mode Requirement 3
- **Pattern:** CHEM 421 Biochemistry 4
- Swim Course 1-2
- **SEMMESTER TOTAL 15-16**

**SENIOR SPRING**

- Literature Mode Requirement 3
- Philosophical & Religious Mode Requirement 3
- **ES 431 Injury Care or ES 500 Athletic Injuries 3**
- **ES 505 Advanced Biomechanical Analysis 3**
- ES 502 Social Problems or ES 503 Psychology of Sport 3
- Additional 1-hour Activity 1
- **SEMMESTER TOTAL 16**

Notes: BIOL 107 will fulfill the Communicative Mode of Inquiry (since ES 232 is not required for Pre-Med pattern.) Please also note the Intercultural Perspective requirement is automatically fulfilled by SOAN 190 or 191. The Social Scientific Mode is met by completing PSYC 166. The Writing Enhanced course requirements are met by completing ES 334 and ES 505. Underlined courses indicate those that are offered fall only, spring only, or summer only.

* INDICATES A COURSE WITH PREREQUISITE(S). SEE CATALOG OR PREREQUISITE LIST.

**THIS DOCUMENT REFLECTS THE RECOMMENDED 4-YEAR SEQUENCING OF COURSES SPECIFICALLY DESIGNED FOR THE PRE-MEDICINE PATTERN; HOWEVER PLEASE NOTE THAT COURSES FULFILLING MODE REQUIREMENTS MAY BE TAKEN DURING ANY SEMESTER UNLESS LISTED AS A PREREQUISITE FOR ANOTHER COURSE.**

Total Required Hours: **133-144.5**