# EXERCISE SCIENCE 555230BS
# Physiological Sciences Concentration

The following information has official approval of the **College of Health Professions**, but is intended only as a supplemental guide. Official degree requirements are established at the time of transfer and admission to the degree-granting college. *Completion of this degree within the identified time frame below is contingent upon many factors, including but not limited to: class availability, total number of required credits, work schedule, finances, family, course drops/withdrawals, successfully passing courses, prerequisites, among others.* The transfer process is completed through an appointment with your academic advisor.

*Italicized* courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at http://www.uakron.edu/advising/docs/General_Education_Guide.pdf

| **1st Year** | **Fall Semester** | Credit Hours | Prerequisites |
|---|---|---|---|
| 3100:200 | **Human Anatomy & Physiology I (Natural Science Requirement)* | 3 | |
| 3100:201 | **Human Anatomy & Physiology I Lab (Natural Science Requirement)* | 1 | |
| | **English Composition I Requirement (see **Important** below)* | 3 | Appropriate placement by advisor |
| | **Math Requirement* | 3-4 | Appropriate placement by advisor |
| 3750:100 | **Introduction to Psychology (Social Science)* | 3 | |
| 5550:212 | **First Aid/CPR: Professional Rescuer* | 2 | |
| **Total** | | **15-16** | |

| **1st Year** | **Spring Semester** | | |
|---|---|---|---|
| 3100:202 | **Human Anatomy & Physiology II (Natural Science Requirement)* | 3 | 3100:200 |
| 3100:203 | *Human Anatomy & Physiology II Lab | 1 | |
| | **English Composition II Requirement (see **Important** below)* | 3 | 3300:111 or equivalent |
| | **Speech/Oral Communication Requirement* | 3 | |
| 5550:125 | Introduction to Exercise Science | 1 | |
| 3850:100 | **Introduction to Sociology (Social Science)* | 3 | |
| **Total** | | **14** | |

**Important:**

- *Courses required to be a candidate for admission.
- English I & II must be completed with a "C" or better for transfer
- All coursework used for graduation requires a "C" or higher (including general education and major classes)

| **2nd Year** | **Fall Semester** | | |
|---|---|---|---|
| | **Natural Science Requirement (not Biology)* | 1 | |
| 5570:202 | Stress Management | 3 | |
| 5550:240 | Care & Prevention of Athletic Injuries | 3 | 3100:200, 3100:201 prerequisites<br>3100:202, 3100:203 corequisites |
| 5550:235 | Concepts of Motor Development and Learning | 3 | |
| 2740:120 | Medical Terminology | 3 | |
| 5550:150 | Concepts of Health & Fitness | 3 | |
| **Total** | | **16** | |

| **2nd Year** | **Spring Semester** | | |
|---|---|---|---|
| 5550:220 | Health Promotion and Behavior Change | 3 | 5550:150 |
| 5550:201 | Kinesiology | 3 | 3100:200, 3100:201 or 3100:202, 3100:203 |
| 7760:133 | Nutrition Fundamentals | 3 | |
| 3400:210<br>**or**<br>3400:221 | *Humanities in the Western Tradition*<br>***-OR-***<br>*Humanities in the World Since 1300* | 4 | 32 credits, English requirement completed<br><br>32 credits, English requirement completed |
| 2740:230 | Basic Pharmacology | 3 | |

| | | | |
|---|---|---|---|
| 5550:202 | Diagnosis of Motor Skills | 3 | |
| **Total** | | **19** | |

| **3rd Year** | **Fall Semester** | | |
|---|---|---|---|
| | *Humanities Elective Requirement* | 3 | |
| 5550:302 | Physiology of Exercise & Lab | 3 | 3100:200, 3100:201 or 3100:202, 3100:203 |
| 3006:450 | Interdisciplinary Seminar in Lifespan Development and Gerontology | 2 | Permission of Instructor |
| | *Area Studies/ Cultural Diversity Requirement* | 2 | |
| 5550:400 | Musculoskeletal Anatomy I | 3 | 3100:200, 3100:201, 3100:202, 3100:203 |
| 5550:352 | Strength and Conditioning Fundamentals | 3 | 3100:200, 3100:201, 3100:202, 3100:203 |
| **Total** | | **16** | |

| **3rd Year** | **Spring Semester** | | |
|---|---|---|---|
| | *Area Studies/ Cultural Diversity Requirement* | 2 | |
| 5550:327 | Exercise Leadership | 3 | 5550:302 |
| 5550:401 | Musculoskeletal Anatomy II | 3 | 3100:200, 3100:201, 3100:202, 3100:203 |
| | *Humanities Elective Requirement* | 3 | |
| 5550:426 | Nutrition for Sports | 3 | 7400:133 |
| | SSWE Elective (see SSWE Advisor) | 3 | |
| **Total** | | **17** | |

| **3rd Year** | **Summer Semester** | | |
|---|---|---|---|
| 5550:438 | Cardiopulmonary Rehabilitation (Summer) | 3 | 5550:302 |
| **Total** | | **3** | |

| **4th Year** | **Fall Semester** | | |
|---|---|---|---|
| 5550:449 | Organization and Administration for Healthcare Professionals | 3 | Senior level status and Permission only |
| 5550:403 | Exercise Testing | 3 | 5550:302 |
| 5550:330 | Exercise and Weight Control | 3 | 5550:302 |
| 5550:418 | Cardiorespiratory Function | 3 | 5550:302 |
| 5550:355 | Exercise in Special Populations | 3 | 5550:302 prerequisite; 5550:403 corequisite |
| **Total** | | **15** | |

| **4th Year** | **Spring Semester** | | |
|---|---|---|---|
| 5550:460 | Practicum | 6 | Permission of advisor |
| | | | |
| 5550:412 | General Medical Aspects | 3 | 3100:200, 3100:201 or Permission |
| 5550:404 | Exercise Prescription | 3 | 5550:403 |
| 5550:465 | Exercise Science Capstone | 2 | 3100:200, 3100:201, 3100:202, 3100:203 |
| **Total** | | **17** | |

| | | | |
|---|---|---|---|
| | **Minimum Credits for Degree** | **131** | |

**ALERT: 1) By the end of your first 48 credit hours attempted, you must have completed your General Education English, Math, and Communications (Speech) requirements; 2) By the end of your first 48 credit hours attempted, you must have declared a major and transferred to (been accepted by) a degree granting college at The University of Akron.**

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**TRANSFER TO DEGREE GRANTING COLLEGE**: Students can arrange inter-college transfers through an appointment with their academic advisor; advisor contact information is listed in “My Akron.” The inter-college transfer occurs upon completion of:

- All preadmission courses (*) must be completed and posted to your University of Akron transcript
- Obtain an overall 2.5 grade point average (including transfer work) with a grade of “C” or better in 3300:111 and 112
- Obtain a 2.5 preadmission-course grade point average (including transfer work for the first 15 credits at UA)

(Roberts)