

EXERCISE SCIENCE 555232BS

Pre Physical Therapy Concentration

11/16/18

The following information has official approval of the **School of Sport Science and Wellness Education**, but is intended only as a supplemental guide.

Italicized courses fulfill General Education requirements. Unless a course is specified, refer to the General Education guide at <http://www.uakron.edu/general-education>

1 st Year	Fall Semester	Credit Hours	Prerequisites
3100:200	<i>*Human Anatomy & Physiology I (Natural Science Requirement)</i>	3	
3100:201	<i>*Human Anatomy & Physiology I Lab (Natural Science Requirement)</i>	1	
	<i>*English Composition I Requirement (see Important below)</i>	3	Appropriate placement by advisor
3450:145	<i>*College Algebra (see note A on page 2)</i>	4	Appropriate placement by advisor
3750:100	<i>*Introduction to Psychology(Social Science)</i>	3	
5550:125	<i>*Introduction to Exercise Science</i>	1	
Total		15	

1 st Year	Spring Semester	Credit Hours	Prerequisites
3100:202	<i>Human Anatomy & Physiology II (Natural Science Requirement)</i>	3	3100:200
3100:203	Human Anatomy & Physiology II Lab	1	
	<i>*English Composition II Requirement (see Important below)</i>	3	3300:111 or equivalent
600:105 or 7600:106	<i>*Intro to Public Speaking Or *Effective Oral Communication</i>	3	
3850:100	<i>*Introduction to Sociology(meets Social Science & Domestic Diversity requirements)</i>	3	
5550:150	Concepts of Health & Fitness	3	
Total		16	

Important:

- *Preadmission courses must average 2.5 GPA with an overall GPA of 2.75 or higher for admission to the program.
- English I & II must be completed with a "C" or better
- All major coursework used for graduation requires a "C" or higher

2 nd Year	Fall Semester	Credit Hours	Prerequisites
3100:111	+Principles of Biology I (Natural Science) (See note B on page 2)	4	3150:151, prerequisite or corequisite
3150:151	+Principles of Chemistry I (See note B on page 2)	3	Placement into 3450:149 or higher
3150:152	<i>+Principles of Chemistry I Lab (Natural Science Requirement)</i> (See note B on page 2)	1	3150:151, prerequisite or corequisite
5550:240	Care & Prevention of Athletic Injuries	3	3100:200, 3100:201, prerequisite and 3100:202, 3100:203, corequisite
2740:120	Medical Terminology	3	
Total		14	

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
	<i>Art</i> requirement	3	See General Education guide
5570:202	Stress Management	3	
	<i>Critical Thinking/Humanities</i> requirement (see note C)	3	See General Education guide
Total		15	

3rd Year Fall Semester			
3650:261	Physics for Life Sciences I (lecture/lab)	4	High school algebra, trigonometry, or 3450:149 as a corequisite
5550:302	Physiology of Exercise & Lab	3	3100:200, 3100:201, 3100:202, 3100:203, and admission to the Sport Science and Wellness Program
	<i>Arts or Humanities</i> requirement	3	See General Education guide
5550:400	Musculoskeletal Anatomy I UE	3	3100:200, 3100:201, 3100:202, 3100:203
5550:235	Concepts of Motor Dev and Learning	3	
Total		16	

3rd Year Spring Semester			
3650:262	Physics for Life Sciences II (lecture/lab)	4	3650:261
5550:352	Strength and Conditioning Fundamentals	3	3100:200, 3100:201, 3100:202, 3100:203
5550:401	Musculoskeletal Anatomy II LE	3	3100:200, 3100:201, 3100:202, 3100:203
5550:460	Practicum	4	Permission of advisor
Total		14	

4th Year Fall Semester			
5550:426	Nutrition for Sports	3	
5550:449	Organization and Administration for Healthcare Professionals	3	Senior level status
5550:403	Exercise Testing	3	5550:302
5550:330	Exercise and Weight Control	3	5550:302
	<i>Complex Systems Affecting Individuals in Society</i> requirement	4	See General Education guide
Total		16	

4th Year Spring Semester			
5550:355	Exercise in Special Populations	3	5550:302, 5550:403
5550:404	Exercise Prescription	3	5550:403
5550:327	Exercise Leadership	3	5550:302
5550:485	Exercise Science Capstone	2	5550: 302, 5550: 403
	<i>Global Diversity</i> requirement	3	See General Education guide
Total		14	
	Minimum Credits for Degree	120	

Notes:

A. If a student is eligible for Precalculus, as needed for later science courses, the department recommends taking Basic Statistics instead of College Algebra. Many physical therapy schools require a statistics class for admission. If a student places below Precalculus s/he may take both College Algebra and Basic Statistics.

B. While Principles of Biology I and Principles of Chemistry I are required by the major, the Department recommends also taking Principles of Biology II and Principles of Chemistry II. Many physical therapy schools require two semesters of both Biology and Chemistry for admission.

C. *Critical Thinking* can double as a *Humanities* – see GE course listing (<http://www.uakron.edu/general-education>) or advisor

Contact: Dr. Judith Juvancic-Heltzel, Interim School Director, Sport Science & Wellness Education, InfoCision 311, (330) 972-6273, jaj52@uakron.edu. Dr. Rachele Kappler, Senior Clinical Instructor; Program Director, Exercise Science, (330-972-6524), kappler@uakron.edu **Department E-Mail:** exercisescience@uakron.edu