

# B.S. IN EXERCISE SCIENCE - PRE-OCCUPATIONAL THERAPY CONCENTRATION

## Curriculum

The concentration is designed to prepare students for entrance into a professional graduate-level school of occupational therapy. Occupational therapists and occupational therapy assistants work with a variety of individuals who have difficulty accessing or performing meaningful occupations. Most commonly, these therapists and assistants work with people with disabilities to maximize their skills and abilities. Services typically include:

1. Customized intervention programs to improve one's ability to perform daily activities
2. Comprehensive home and job site evaluations with adaptation recommendations
3. Performance skills assessments and treatments
4. Adaptive equipment recommendations and usage training
5. Guidance to family members and caregivers

Code	Title	Credits
<b>GENERAL EDUCATION REQUIREMENTS (<a href="https://catalog.wcupa.edu/undergraduate/general-education-requirements/">https://catalog.wcupa.edu/undergraduate/general-education-requirements/</a>)</b>		
<b>Academic Foundations</b>		
First Year Experience requirement		4
English Composition requirement		6-7
WRT 120	Effective Writing I	
WRT 200	Critical Writing and Research	
or WRT 204	Critical Writing: Approaches to Popular Culture	
or WRT 205	Critical Writing: Investigating Experience	
or WRT 206	Critical Writing: Multidisciplinary Imagination	
or WRT 208	Critical Writing: Entering Public Sphere	
or WRT 220	Critical Writing: Special Topics	
Mathematics requirement		3-4
MAT 121	Introduction to Statistics I	
Interdisciplinary requirement		3
Diverse Communities requirement		3
Ethics requirement		3
<b>Distributed Disciplinary Foundations</b>		
Science requirement		6-8
See Related Requirements under your concentration to fulfill these credits.		
Behavioral & Social Science requirement		6
PSY 100	Introduction to Psychology	
SOC 100	Introduction to Sociology	
or SOC 240	Sociology of the Family	
Humanities requirement		6
Arts requirement		3
<b>ADDITIONAL BACCALAUREATE REQUIREMENTS (<a href="https://catalog.wcupa.edu/undergraduate/general-education-requirements/">https://catalog.wcupa.edu/undergraduate/general-education-requirements/</a>)</b>		
<b>University Requirements</b>		
Writing Emphasis requirement		9
Speaking Emphasis requirement		9
SPK 208	Public Speaking	
or SPK 230	Business and Professional Speech Communication	

## Degree Requirements

Capstone requirement	1-15
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## MAJOR REQUIREMENTS

### Core Courses <sup>1</sup>

EXS 103	Fundamentals of Group Exercise and Resistance Training	3
EXS 180	Lifetime Fitness Concepts	3
EXS 270	Motor Learning	3
EXS 223	Kinetic Anatomy	2
EXS 280	The Exercise Science Profession	1
EXS 362	Biomechanics	3
EXL 362	Biomechanics Laboratory	1
EXS 375	Sport and Exercise Psychology	3
EXS 380	Exercise Physiology	3
EXL 380	Exercise Physiology Lab	1
EXS 381	Fitness Assessment - Exercise Prescription	3
EXL 381	Fitness Assessment - Exercise Prescription Lab	1
EXS 482	Strength Training and Conditioning	3
EXL 482	Strength Training and Conditioning Laboratory	1
EXS 484	Organization and Management of Adult Fitness Programs Clinic/Seminar	3
EXS 486	Exercise Prescription - Special Population	3
EXS 489	Clinical Exercise Testing and Interpretation	3
EXL 489	Clinical Exercise Testing and Interpretation Laboratory	1

### Related/Cognate Requirements <sup>1</sup>

BIO 259	Human Anatomy and Physiology I	4
BIO 269	Human Anatomy and Physiology II	4
NTD 303	Introductory Principles Human Nutrition	3

### Capstone Requirement

EXS 490	Internship (internship under the direction of a licensed OT) <sup>1,2</sup>	3
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### Concentration Requirements

Students must take the required courses in their concentration to reach the 120 credits required for graduation.

<b>Total Minimum Credits Required</b>	<b>120</b>
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## Pre-Occupational Therapy Concentration

Students graduating in the pre-occupational therapy concentration are prepared for entrance into a school of occupational therapy. Occupational therapy programs accept a limited number of students and are highly competitive - the student is encouraged to maintain a GPA of 3.3 or better while in this concentration.

Code	Title	Credits
<b>Related Requirements <sup>1</sup></b>		
BIO 100	Basic Biological Science	3
or BIO 110	General Biology I	
CHE 107	General Chemistry for Allied Health Sciences	4
or CHE 103	General Chemistry I	
CRL 107	General Chemistry Lab for Allied Health Sciences	1

or CRL 103	General Chemistry I Lab	
PHY 100	Elements of Physical Science	3
EXS 222	Introduction to Medical Terminology and Drug Classifications	2
PSY 210	Developmental Psychology: Lifespan	3
PSY 375	Psychopathology	3

**Student Electives**

Students must take electives to fulfill the 120 credit hour minimum.	4
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<sup>1</sup> In order to graduate with a B.S. in Exercise Science - Pre-Occupational Therapy Concentration, a minimum grade of C- or better in all exercise science, related/cognate requirements, and Pre-OT related requirements is required.

<sup>2</sup> This course fulfills the Capstone requirement.

## Sample Course Plan

To track their individual degree progress, students are advised to access their Degree Audit via RamPortal regularly. For more information, visit the Degree Audit FAQ webpage (<https://www.wcupa.edu/academicEnterpriseSystems/student-system-modernization/degree-audit-faqs.aspx>).

The following is a sample suggested course sequence for this program; course offerings and availability are not guaranteed. Students should consult their academic advisor with any questions.

Course	Title	Credits
<b>Year One</b>		
<b>Fall</b>		
EXS 103 or EXS 180	Fundamentals of Group Exercise and Resistance Training or Lifetime Fitness Concepts	3
BIO 100	Basic Biological Science	3
SOC 100 or SOC 240	Introduction to Sociology or Sociology of the Family	3
WRT 120 or WRT 123	Effective Writing I or Effective Writing with Supplemental Writing Workshop	3-4
FYE 100X	First Year Experience	4
<b>Credits</b>		<b>16-17</b>
<b>Spring</b>		
EXS 180 or EXS 103	Lifetime Fitness Concepts or Fundamentals of Group Exercise and Resistance Training	3
BIO 259	Human Anatomy and Physiology I	4
MAT 121	Introduction to Statistics I	3
PSY 100	Introduction to Psychology	3
WRT 2XX	200-Level WRT Course	3
<b>Credits</b>		<b>16</b>
<b>Year Two</b>		
<b>Fall</b>		
EXS 223 & EXS 280 or EXS 270	Kinetic Anatomy or Motor Learning	3
BIO 269	Human Anatomy and Physiology II	4
PSY 210 or PSY 375	Developmental Psychology: Lifespan or Psychopathology	3
Gen Ed Course <sup>1</sup>		3

Gen Ed Course <sup>1</sup>		3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
EXS 222	Introduction to Medical Terminology and Drug Classifications	2
EXS 270 or EXS 223 <b>and</b> EXS 280	Motor Learning or Kinetic Anatomy <b>and</b> The Exercise Science Profession	3
PHY 100	Elements of Physical Science	3
NTD 303	Introductory Principles Human Nutrition	3
Gen Ed Course <sup>1</sup>		3
Gen Ed Course <sup>1</sup>		3
<b>Credits</b>		<b>17</b>
<b>Year Three</b>		
<b>Fall</b>		
EXS 362 & EXL 362	Biomechanics and Biomechanics Laboratory	4
EXS 380 & EXL 380	Exercise Physiology and Exercise Physiology Lab	4
CHE 107 & CRL 107	General Chemistry for Allied Health Sciences and General Chemistry Lab for Allied Health Sciences	5
Gen Ed Course <sup>1</sup>		3
<b>Credits</b>		<b>16</b>
<b>Spring</b>		
EXS 375	Sport and Exercise Psychology	3
EXS 381 & EXL 381	Fitness Assessment - Exercise Prescription and Fitness Assessment - Exercise Prescription Lab	4
PSY 375 or PSY 210	Psychopathology or Developmental Psychology: Lifespan	3
Gen Ed Course <sup>1</sup>		3
Gen Ed Course <sup>1</sup>		3
<b>Credits</b>		<b>16</b>
<b>Year Four</b>		
<b>Fall</b>		
EXS 482	Strength Training and Conditioning	3
EXS 484	Organization and Management of Adult Fitness Programs Clinic/Seminar	3
EXS 486	Exercise Prescription - Special Population	3
Gen Ed Course <sup>1</sup>		3
Gen Ed Course <sup>1</sup>		3
<b>Credits</b>		<b>15</b>
<b>Spring</b>		
EXS 489 & EXL 489	Clinical Exercise Testing and Interpretation and Clinical Exercise Testing and Interpretation Laboratory	4
EXS 490	Internship	3
Gen Ed Course <sup>1</sup>		3
Gen Ed Course <sup>1</sup>		3
Gen Ed Course <sup>1</sup>		3
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>128-129</b>

<sup>1</sup> Choose from list: 1 interdisciplinary course, 1 diverse communities course, 3 speaking emphasis courses, 3 writing emphasis courses, 1 ethics course, 1 arts course, and 2 humanities courses. Double up on gen ed courses when possible.

Students should preview potential graduate school websites. Graduate programs will list required undergraduate prerequisite courses. If the above list of courses does not include required prerequisites, then those courses may be taken at WCU as electives in the program.