

## Health Sciences: Pre-Physical/Occupational Therapy

### Bachelor of Science (BS)

# Pre-Physical/ Occupational Therapy Option

The Pre-Physical Therapy/Occupational Therapy Option to the Health Sciences degree is tailored to those students planning on applying to graduate program in one of these disciplines. While students graduating with this degree are not limited to this one option, the focus of the program is to satisfy the common pre-requisites for physical therapy and occupational graduate programs. In addition to meeting pre-requisites and providing a scientific background for a graduate program, the students are introduced to assessment techniques and therapeutic techniques which will be a part of their professional education.

Some programs will have unique prerequisites; therefore students are encouraged to visit the websites of the American Physical Therapy Association (apta.org) or the American Occupation Therapy Association (aota.org) to identify pre-requisites for a school they may wish to attend.

#### Becoming Career Ready...

/ Health Science: PT/OT graduates will satisfy potential pre-requisites for professional graduate education.

/ Students in the major will be introduced to assessment techniques which will be part of their professional education while completing the undergraduate program.

/ Faculty work closely with students so graduates have a working knowledge of therapeutic modalities and skills in application of the modalities.

/ Students are prepared to enter a number of other allied health fields if they should decide against physical or occupational therapy careers. Examples of job titles include medical/health services manager, health informatics specialist and public health officer.

/ The path to a successful career starts with you! You can maximize your career development by working closely with Career Services and Southeast faculty – they are here to help you connect your passions, interests and skills to jobs and opportunities in the field. Career Services provides professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities and more.

#### Internships, Employment Opportunities, Graduate Schools, and Programs of Recent Graduates

- Doctor of Physical Therapy Graduate Program
  - Rockhurst University
  - Baylor University
  - University of Indianapolis
  - University of Missouri
  - Missouri State University
  - Belmont University
  - University of Iowa
- Master's degree programs in Occupational Therapy
- Master's degree in Athletic Training
- Graduate study in Exercise Physiology
- Logan Chiropractic College
- Employment as a Rehabilitation Technician

#### Admission Requirements

There is not an admission requirement for this program, however, there is a retention requirement. If a student's overall grade point average falls below 3.0/4.0 the student is removed from the Physical/Occupational Therapy option and automatically moved into the General Health Sciences option.

#### Special Options with Health Science

Special program fees are required for this program of study, <http://www.semo.edu/sfs/fee-schedule.htm>.

#### Transfer and Dual Credit Students

If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at [semo.edu/transfercredit](http://semo.edu/transfercredit).

**To learn more**  
 Office of Admissions  
 (573) 651-2590  
[admissions@semo.edu](mailto:admissions@semo.edu)  
[semo.edu](http://semo.edu)

**To explore**  
 the College  
 of Education, Health and  
 Human Studies online, visit  
[semo.edu/education-health](http://semo.edu/education-health)

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This is a guide based on the 2020-2021 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

### CURRICULUM CHECKLIST

#### Health Sciences: Pre-Physical/Occupational Therapy Option – 105 Hours Required – No Minor Required

Student must attain a grade of 'C' or higher in every major course. A student must maintain an overall grade point average of 3.0 to remain in major. Critical Courses are **italicized and bolded**. These courses are indicators of potential for success in the degree program.

#### Core Courses:

- \_\_\_ BI 163 Evolution & Ecology (4)
- \_\_\_ BI 173 Cell & Organismal Biology (4)
- \_\_\_ **BS 113 Anatomy and Physiology I (4)**
- \_\_\_ **BS 114 Anatomy and Physiology II (4)**
- \_\_\_ **CH 185 General Chemistry I (5)**
- \_\_\_ FN 235 Nutrition for Health (3)
- \_\_\_ FN 255 Nutrition I (3)
- \_\_\_ FN 401 Sport Nutrition (3)
- \_\_\_ HL 105 Introduction to Allied Health Professions (2)
- \_\_\_ HL 113 Medical Terminology (3)
- \_\_\_ HL 331 Exercise Physiology (4)
- \_\_\_ MA 116 Precalculus A (3)
- \_\_\_ PY 101 Introduction to Psychology (3)
- \_\_\_ PY 220 Psychological Development Across the Lifespan (3)
- \_\_\_ SC 155 Interpersonal Communication (3)

#### Choose one course:

- \_\_\_ PY 571 Introductory Behavioral Statistics (3)
- \_\_\_ SW 242 Statistics for Social Scientists (3)

#### Choose one course:

- \_\_\_ PY 440 Abnormal Psychology (3)
- \_\_\_ PY 466 Introduction to Physiological Psychology (3)

#### PRE-PHYSICAL/OCCUPATIONAL THERAPY OPTION

A student must maintain an overall grade point average of 3.0 to remain in option.

- \_\_\_ CH 186 Foundations of Inorganic Chemistry (3)
- \_\_\_ CH 187 Inorganic Chemistry & Qualitative Analysis (2)
- \_\_\_ HL 321 Advanced Injury Assessment I (3)
- \_\_\_ HL 322 Advanced Injury Assessment II (3)
- \_\_\_ HL 323 Advanced Injury Assessment III (3)
- \_\_\_ HL 350 Issues/Trends in Motor Learning (3)
- \_\_\_ HL 365 Therapeutic Modalities (3)
- \_\_\_ HL 444 Rehabilitation of Sports Injury (3)
- \_\_\_ HL 511 Applied Anatomy (3)
- \_\_\_ PH 120 Introductory Physics I w/Lab (5)
- \_\_\_ PH 121 Introductory Physics II w/Lab (5)
- \_\_\_ TX 251 Introduction to Athletic Injuries (3)

#### Electives - 9 hours (suggested electives below)

- \_\_\_ BI 441 Virology (3)
- \_\_\_ BI 442 Immunology (4)
- \_\_\_ BI 445 Epidemiology (3)
- \_\_\_ BS 327 Biology of Aging (3)
- \_\_\_ CH 345 Foundations of Organic Chemistry (3)
- \_\_\_ EV 453 Occupational Health (3)
- \_\_\_ HL 431 Fitness Assessment (3)
- \_\_\_ HL 526 Health Behavior Change (3)
- \_\_\_ HL 550 Exercise Programs for Special Populations (3)
- \_\_\_ PY 358 Social Psychology (3)
- \_\_\_ PY 362 Learning & Memory (3)
- \_\_\_ PY 525 Maturity & Aging (3)
- \_\_\_ PY 555 Health Psychology (3)
- \_\_\_ SC 301 Foundations of Health Communication (3)
- \_\_\_ UI 352 Medical Ethics (3)
- \_\_\_ UI 412 American Healthcare (3)

**General Education Requirements** – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

### SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
<b>FIRST YEAR</b>	UI100	3	<b>BS 114/014</b>	<b>4</b>
	<b>BS 113/013</b>	4	EN 140	3
	EN100	3	FN 235	3
	HL 105	2	PY 101	3
	MA 116	3	SC 155	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>16</b>
Milestone: Must maintain a 3.0 grade point average to be retained in program				
<b>SECOND YEAR</b>	BI 163	4	BI 173	4
	<b>CH 185/085/005</b>	5	HL 321	3
	TX 251	3	PY 220	3
	Major elective	3	General Education	3
	General Education	3	General Education	3
	<b>Total</b>	<b>18</b>	<b>Total</b>	<b>16</b>
Milestone: Must maintain a 3.0 grade point average to be retained in program				
<i>(summer courses are encouraged to avoid 18 hour semesters)</i>				
<b>THIRD YEAR</b>	HL 113	3	CH 186	3
	HL 322	3	CH 187	2
	HL 331/031	4	FN 255	3
	HL 365	3	HL 323	3
	General Education	3	General Education	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>14</b>
Milestone: Must maintain a 3.0 grade point average to be retained in program				
<b>FOURTH YEAR</b>	PH 120/020	5	HL 444	3
	PY 571/SW 242	3	HL 511	3
	PY 440/PY466	3	PH 121/021	5
	Major elective	3	Major elective	3
	<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>
Milestone: Must maintain a 3.0 grade point average to be retained in program				

A "Milestone" signifies a significant stage for a student in the completion of a degree.

**Degree requirements for all students:** a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

Revised  
6/1/2020