

# PRE-PHYSICAL THERAPY

St. Catherine University offers students the opportunity to apply the liberal arts experience to their chosen field of physical therapy through a unique dual-degree program. The departments of biology, exercise and sport science, psychology and public health have developed sequences of courses that include all doctor of physical therapy (DPT) program prerequisites, liberal arts core requirements and major course work in their respective fields. These four areas of study provide students the option of completing their bachelor's degree while pursuing the DPT degree. Each area of study includes prerequisite courses for the DPT program, including biology, anatomy, physiology, chemistry, physics, psychology, statistics, medical terminology and mathematics, while providing a special emphasis in a particular area of study. The first-year courses in each area of study are identical, allowing students time to consider their options and make a decision about the major that is of most interest to them. There are three options for admission to the doctor of physical therapy program.

## Option 1: Early Admission Program

Students may apply to the University and to the early admission program during their senior year in high school. Students must meet the following criteria to be eligible for consideration for the DPT early admission program:

### Required:

- Composite ACT score of 24 or better
- Cumulative GPA of 3.25 or better on a 4.0 scale
- Declare pre-physical therapy as intended area of study
- Sixty hours of observation and/or volunteering in a physical therapy setting

Twenty-four students are admitted to the early admission program each year. Students who apply on or before February 15 of their senior year will be given priority consideration for admission to the program. Students will be notified of an admission decision by April 1 of their senior year. Students who apply on or after February 16 will be considered on a space-available basis.

Students who are admitted to the program will be guaranteed a position in the doctor of physical therapy program provided all of the following conditions are met:

- Cumulative GPA of 3.4 or better
- Prerequisite GPA of 3.4 or better
- Letter grades of C or better for all prerequisite courses
- Completion of the DPT Admission Application (including an essay, GRE and healthcare experience) during the junior or senior year
- Submit positive recommendations from clinical references
- Meet with pre-physical therapy advisor each semester
- Meet with a DPT academic advisor at least once in the freshman year

## Option 2: 3+3 Open Admission

In this option, students enter one of the University's four pre-physical therapy areas of study in biology, exercise and sport science, psychology or public health: health sciences that include all DPT prerequisites, liberal arts core requirements and major course work in the particular field of study. During their junior year, students may apply to the DPT program as they are completing one of these sequences. Students must meet

all DPT admissions criteria and must possess a minimum overall and prerequisite course GPA of 3.4 in order to apply to the DPT program.

If any of these criteria are not met, students may apply to the DPT program during their senior year as long as they meet DPT admissions criteria, including the minimum overall and prerequisite GPA criteria of 3.0 required of all DPT applicants. In addition, all St. Catherine University students who apply to the DPT program via the 3+3 option must have at least three years of higher education experience beyond high school graduation.

If admitted, students will typically be awarded the St. Catherine baccalaureate degree after one full year in the DPT program. The undergraduate major will be applied science in biology, exercise and sport science or psychology; or public health: health sciences. Following successful completion of all the DPT degree requirements, the doctor of physical therapy degree is awarded. Students not accepted into the DPT program can complete a major in biology, exercise and sport science, psychology or public health: health sciences by taking the remaining courses in the sequences outlined by each department. Upon completion of these requirements, students will be awarded the St. Catherine's baccalaureate degree with a major in biology, exercise and sport science, psychology, or public health: health sciences.

The curriculum for each area of study is listed below.

## Biology

Students must complete all liberal arts core requirements, 60 hours clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Applied Science in Biology Requirements</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
BIOL 2710	Foundations of Biology III with Lab	4
BIOL 2720	Sophomore Seminar	2
BIOL 3120	Comparative Vertebrate Anatomy with Lab	4
BIOL 3140	Comparative Animal Physiology	4
Select one from:		4
BIOL 3224	Cell Biology with Lab	
BIOL 3444	Genetics with Lab	
Four credits in BIOL at 3000/4000 level		
EXSS 3350	Kinesiology and Biomechanics with Lab	
BIOL 4850W	Senior Seminar	2
<b>Required Supporting Courses</b>		
CHEM 1110	General Chemistry I with Lab	4
CHEM 1120	General Chemistry II with Lab	4
Select one of the following Statistics courses:		4
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
<b>DPT Prerequisites</b>		
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130	Calculus I	4

or MATH 1090	Precalculus	
Select one of the following:		8
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PSYC 1001	General Psychology with Lab	4
Select one of the following PSYC electives:		4
PSYC 2025	Lifespan Developmental Psychology	
PSYC 3010	Understanding Psychological Disorders	
Total Credits		62

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>1</sup>) in biology:

Code	Title	Credits
Six additional credits in biology at the 3000 or 4000 level including:		
At least one 4-credit field course		
At least 4 credits at the 4000 level		
BIOL 4602	Internship	2
CHEM 2010	Organic Chemistry I with Lab	4
Total Credits		12

<sup>1</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree.

## Exercise and Sport Science

Students must complete the liberal arts core requirements, 60 hours of clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Applied Science in Exercise Science Requirements</b>		
EXSS 2750	Introduction to Exercise and Sport Science	2
EXSS 2800W	Introduction to Research Methods in Exercise Science	4
EXSS 3200	Health Behavior Psychology (Only required for students who enter St. Catherine University Fall 2017 or later)	4
EXSS 3350	Kinesiology and Biomechanics with Lab	4
EXSS 3450	Exercise Physiology with Lab	4
EXSS 3610	Motor Learning	2
EXSS 3750	Care and Prevention of Athletic Injuries	2
<b>DPT Prerequisites</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	8
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130	Calculus I	4

or MATH 1090	Precalculus	
Select one of the following:		8
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PSYC 1001	General Psychology with Lab	4
Select one of the following PSYC electives:		4
PSYC 2025	Lifespan Developmental Psychology	
PSYC 3010	Understanding Psychological Disorders	
Select one of the following Statistics courses:		4
ECON 1080	Statistical Analysis for the Social Sciences	
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
Total Credits		72

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>1</sup>) in exercise and sport science:

Code	Title	Credits
EXSS 3500	Methods of Strength Training and Conditioning	4
EXSS 3550	Exercise Testing and Prescription with Lab	4
EXSS 4300	Advanced Biomechanics	2
EXSS 4612	Fieldwork	2
EXSS 4614	Fieldwork	4
FSNU 2300	Nutrition Foundations	4
FSNU 3250	Sports Nutrition	2
IPE 4200W	Healthcare Teams - Evidence-Based Practice	4
Total Credits		26

<sup>1</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree.

## Psychology

Students must complete the liberal arts core requirements, 60 hours of clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Applied Science in Psychology Requirements</b>		
PSYC 1001	General Psychology with Lab	4
PSYC 2025	Lifespan Developmental Psychology	4
PSYC 1090	Statistical Methods in Psychology	4
PSYC 2060	Research Methods in Psychology	4
PSYC 3010	Understanding Psychological Disorders	4
PSYC 4220W	History and Systems	4
<b>DPT Prerequisites</b>		

BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	8
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130 or MATH 1090	Calculus I or Precalculus	4
Select one of the following:		8
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
Total Credits		62

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>1</sup>) in psychology:

Code	Title	Credits
	One additional Philosophy elective	4
	One additional Psychology elective	4
PSYC 2850	Seminar I: Psychology Engages the World	2
Two additional 3000-level Psychology laboratory courses		8
PSYC 4850	Seminar II: Current Issues in Psychology	2
Total Credits		20

<sup>1</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree and complete one additional philosophy course.

## Public Health: Health Sciences

Students must complete all liberal arts core requirements, 60 hours clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Public Health: Health Sciences Courses<sup>1</sup></b>		
HLTH 2050	Foundations in Public Health	4
HLTH 3150	Epidemiology	4
HLTH 3250	Global Health	4
HLTH 4604	Internship	4
HLTH 4800W	Senior Seminar in Public Health	4
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	8
MGMT 3850	Healthcare Policy	4
PSYC 2025 or PSYC 3010	Lifespan Developmental Psychology or Understanding Psychological Disorders	4
<b>DPT Prerequisites</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8

CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130 or MATH 1090	Calculus I or Precalculus	4
Select one of the following:		8
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
PSYC 1001	General Psychology with Lab	4
Select one of the following:		4
ECON 1080	Statistical Analysis for the Social Sciences	
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
Total Credits		74

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>2</sup>) in public health: health sciences:

Code	Title	Credits
Four additional 2000-level or higher science courses. Suggested courses include:		
BIOL 2200	Introduction to Microbiology with Lab	
BIOL 3210	Biology of Microorganisms with Lab	
BIOL 3224	Cell Biology with Lab	
BIOL 3444	Genetics with Lab	
CHEM 2010	Organic Chemistry I with Lab	
CHEM 2020	Organic Chemistry II with Lab	

<sup>1</sup> This list contains the undergraduate courses that apply to the public health major with health sciences concentration. Students who are admitted to the DPT program complete the health sciences concentration with four DPT courses: DPT 5010, DPT 5020, DPT 5030 and DPT 5040.

<sup>2</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree.

## Option 3: Senior Open Admission

Individuals who are interested in pursuing this option complete a baccalaureate degree, including the prerequisite courses for the DPT program, and apply for admission to the DPT program. If accepted, upon successful completion of all the DPT degree requirements, the doctor of physical therapy degree is awarded.

Prerequisites for the doctor of physical therapy program include:

Code	Title	Credits
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
Select one of the following:		8

BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	
BIOL 3120 & BIOL 3140	Comparative Vertebrate Anatomy with Lab and Comparative Animal Physiology	
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
Select one of the following:		8
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab (algebra-based)	
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II (calculus-based)	
PSYC 1001	General Psychology with Lab	4
PSYC 2025 or PSYC 3010	Lifespan Developmental Psychology Understanding Psychological Disorders	4
Select one of the following:		4
ECON 1080	Statistical Analysis for the Social Sciences	
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
MATH 1130 or MATH 1090	Calculus I <sup>1</sup> Precalculus	4

<sup>1</sup> The math course must be at the level of trigonometry or higher (i.e., precalculus or calculus I). If a course is not titled "trigonometry" or "calculus" a photocopy of the course syllabus and course topic schedule must be submitted, to verify that the content included vectors and trigonometry functions.

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#### Required:

- Composite ACT score of 24 or better
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Students who are admitted to the program will be guaranteed a position in the doctor of physical therapy program provided all of the following conditions are met:

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- Prerequisite GPA of 3.4 or better
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- Submit positive recommendations from clinical references
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- Meet with a DPT academic advisor at least once in the freshman year

### Option 2: 3+3 Open Admission

In this option, students enter one of the University's four pre-physical therapy areas of study in biology, exercise and sport science, psychology or public health: health sciences that include all DPT prerequisites, liberal arts core requirements and major course work in the particular field of study. During their junior year, students may apply to the DPT program as they are completing one of these sequences. Students must meet all DPT admissions criteria and must possess a minimum overall and prerequisite course GPA of 3.4 in order to apply to the DPT program.

If any of these criteria are not met, students may apply to the DPT program during their senior year as long as they meet DPT admissions criteria, including the minimum overall and prerequisite GPA criteria of 3.0 required of all DPT applicants. In addition, all St. Catherine University students who apply to the DPT program via the 3+3 option must have at least three years of higher education experience beyond high school graduation.

If admitted, students will typically be awarded the St. Catherine baccalaureate degree after one full year in the DPT program. The undergraduate major will be applied science in biology, exercise and sport science or psychology; or public health: health sciences. Following successful completion of all the DPT degree requirements, the doctor of physical therapy degree is awarded. Students not accepted into the DPT program can complete a major in biology, exercise and sport science, psychology or public health: health sciences by taking the remaining courses in the sequences outlined by each department. Upon completion of these requirements, students will be awarded the St. Catherine's baccalaureate degree with a major in biology, exercise and sport science, psychology, or public health: health sciences.

The curriculum for each area of study is listed below.

## Biology

Students must complete all liberal arts core requirements, 60 hours clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Applied Science in Biology Requirements</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
BIOL 2710	Foundations of Biology III with Lab	4
BIOL 2720	Sophomore Seminar	2
BIOL 3120	Comparative Vertebrate Anatomy with Lab	4
BIOL 3140	Comparative Animal Physiology	4
Select one from:		4
BIOL 3224	Cell Biology with Lab	
BIOL 3444	Genetics with Lab	
Four credits in BIOL at 3000/4000 level		
EXSS 3350	Kinesiology and Biomechanics with Lab	
BIOL 4850W	Senior Seminar	2
<b>Required Supporting Courses</b>		
CHEM 1110	General Chemistry I with Lab	4
CHEM 1120	General Chemistry II with Lab	4
Select one of the following Statistics courses:		4
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
<b>DPT Prerequisites</b>		
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130 or MATH 1090	Calculus I or Precalculus	4
Select one of the following:		8
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PSYC 1001	General Psychology with Lab	4
Select one of the following PSYC electives:		4
PSYC 2025	Lifespan Developmental Psychology	
PSYC 3010	Understanding Psychological Disorders	
Total Credits		62

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>1</sup>) in biology:

Code	Title	Credits
Six additional credits in biology at the 3000 or 4000 level including:		
At least one 4-credit field course		
At least 4 credits at the 4000 level		
BIOL 4602	Internship	2

CHEM 2010	Organic Chemistry I with Lab	4
Total Credits		12

<sup>1</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree.

## Exercise and Sport Science

Students must complete the liberal arts core requirements, 60 hours of clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Applied Science in Exercise Science Requirements</b>		
EXSS 2750	Introduction to Exercise and Sport Science	2
EXSS 2800W	Introduction to Research Methods in Exercise Science	4
EXSS 3200	Health Behavior Psychology (Only required for students who enter St. Catherine University Fall 2017 or later)	4
EXSS 3350	Kinesiology and Biomechanics with Lab	4
EXSS 3450	Exercise Physiology with Lab	4
EXSS 3610	Motor Learning	2
EXSS 3750	Care and Prevention of Athletic Injuries	2
<b>DPT Prerequisites</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	8
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130 or MATH 1090	Calculus I or Precalculus	4
Select one of the following:		8
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PSYC 1001	General Psychology with Lab	4
Select one of the following PSYC electives:		4
PSYC 2025	Lifespan Developmental Psychology	
PSYC 3010	Understanding Psychological Disorders	
Select one of the following Statistics courses:		4
ECON 1080	Statistical Analysis for the Social Sciences	
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
Total Credits		72



Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>1</sup>) in exercise and sport science:

Code	Title	Credits
EXSS 3500	Methods of Strength Training and Conditioning	4
EXSS 3550	Exercise Testing and Prescription with Lab	4
EXSS 4300	Advanced Biomechanics	2
EXSS 4612	Fieldwork	2
EXSS 4614	Fieldwork	4
FSNU 2300	Nutrition Foundations	4
FSNU 3250	Sports Nutrition	2
IPE 4200W	Healthcare Teams - Evidence-Based Practice	4
<b>Total Credits</b>		<b>26</b>

<sup>1</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree.

## Psychology

Students must complete the liberal arts core requirements, 60 hours of clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Applied Science in Psychology Requirements</b>		
PSYC 1001	General Psychology with Lab	4
PSYC 2025	Lifespan Developmental Psychology	4
PSYC 1090	Statistical Methods in Psychology	4
PSYC 2060	Research Methods in Psychology	4
PSYC 3010	Understanding Psychological Disorders	4
PSYC 4220W	History and Systems	4
<b>DPT Prerequisites</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	8
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130 or MATH 1090	Calculus I or Precalculus	4
Select one of the following:		8
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
<b>Total Credits</b>		<b>62</b>

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>1</sup>) in psychology:

Code	Title	Credits
One additional Philosophy elective		4
One additional Psychology elective		4
PSYC 2850	Seminar I: Psychology Engages the World	2
Two additional 3000-level Psychology laboratory courses		8
PSYC 4850	Seminar II: Current Issues in Psychology	2
<b>Total Credits</b>		<b>20</b>

<sup>1</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree and complete one additional philosophy course.

## Public Health: Health Sciences

The curriculum for this major is changing Fall 2018. The new curriculum is posted below. Students must complete all liberal arts core requirements, 60 hours clinical experience and the following courses.

This major is available in the College for Women only.

Code	Title	Credits
<b>Public Health: Health Sciences Courses<sup>1</sup></b>		
HLTH 2050	Foundations in Public Health	4
HLTH 3150	Epidemiology	4
HLTH 3250	Global Health	4
HLTH 3350	Environmental Health	4
HLTH 4754	Practicum	4
HLTH 4800W	Senior Seminar in Public Health	4
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	8
MGMT 3850	Healthcare Policy	4
PSYC 2025 or PSYC 3010	Lifespan Developmental Psychology or Understanding Psychological Disorders	4
<b>DPT Prerequisites</b>		
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
MATH 1130 or MATH 1090	Calculus I or Precalculus	4
Select one of the following:		8
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab	
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II	
PSYC 1001	General Psychology with Lab	4
Select one of the following:		4
ECON 1080	Statistical Analysis for the Social Sciences	
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	

STAT 1090	Statistical Analysis	
Total Credits		78

Students who do not gain entry to the DPT program after their junior year complete the following courses for a major (B.S. degree<sup>2</sup>) in public health/health sciences:

Code	Title	Credits
Three additional 2000-level or higher science courses. Suggested courses include:		
BIOL 2200	Introduction to Microbiology with Lab	
BIOL 3210	Biology of Microorganisms with Lab	
BIOL 3224	Cell Biology with Lab	
BIOL 3444	Genetics with Lab	
CHEM 2010	Organic Chemistry I with Lab	
CHEM 2020	Organic Chemistry II with Lab	

<sup>1</sup> This list contains the undergraduate courses that apply to the public health major with health sciences concentration. Students who are admitted to the DPT program complete the health sciences concentration with four DPT courses: DPT 5010, DPT 5020, DPT 5030 and DPT 5040.

<sup>2</sup> Students who wish to receive a B.A. degree must complete the liberal arts core requirements for the B.A. degree.

### Option 3: Senior Open Admission

Individuals who are interested in pursuing this option complete a baccalaureate degree, including the prerequisite courses for the DPT program, and apply for admission to the DPT program. If accepted, upon successful completion of all the DPT degree requirements, the doctor of physical therapy degree is awarded.

Prerequisites for the doctor of physical therapy program include:

Code	Title	Credits
BIOL 1710 & BIOL 1720	Foundations of Biology I with Lab and Foundations of Biology II with Lab	8
Select one of the following:		8
BIOL 2610 & BIOL 2620	Human Anatomy and Physiology I with Lab and Human Anatomy and Physiology II with Lab	
BIOL 3120 & BIOL 3140	Comparative Vertebrate Anatomy with Lab and Comparative Animal Physiology	
CHEM 1110 & CHEM 1120	General Chemistry I with Lab and General Chemistry II with Lab	8
IPE 1030	Healthcare Teams Foundations and Medical Terminology	2
Select one of the following:		8
PHYS 1080 & PHYS 1090	Physics for the Health Sciences I and Physics for the Health Sciences II with Lab (algebra-based)	
PHYS 1110 & PHYS 1120	Introductory Physics I and Introductory Physics II (calculus- based)	
PSYC 1001	General Psychology with Lab	4
PSYC 2025 or PSYC 3010	Lifespan Developmental Psychology Understanding Psychological Disorders	4
Select one of the following:		4

ECON 1080	Statistical Analysis for the Social Sciences	
ECON 1090	Statistical Analysis for Decision Making	
HLTH 1090	Biostatistics	
PSYC 1090	Statistical Methods in Psychology	
STAT 1089	Statistical Analysis with Corequisite	
STAT 1090	Statistical Analysis	
MATH 1130 or MATH 1090	Calculus I <sup>1</sup> Precalculus	4

<sup>1</sup> The math course must be at the level of trigonometry or higher (i.e., precalculus or calculus I). If a course is not titled "trigonometry" or "calculus" a photocopy of the course syllabus and course topic schedule must be submitted, to verify that the content included vectors and trigonometry functions.