

# Health Professions

## Preparation for Health Professions

[www.whitworth.edu/healthprofessions](http://www.whitworth.edu/healthprofessions)

Whitworth has a long history of preparing students for graduate programs and successful careers in the health professions, such as athletic training, chiropractic, dental, medical, nursing, pharmacy, physical therapy and veterinary medicine. Recent graduates have been accepted into professional schools at the following institutions:

Albert Einstein College of Medicine	Saint Louis University
A.T. Still University	San Jose University
Bastyr University	Stanford University
Central Washington University	Touro University
Cornell University	University of Arizona
Creighton University	University of Edinburgh, Scotland
Des Moines University	University of Hawaii
Eastern Washington University	University of Indiana
Hastings College	University of Indianapolis
Idaho State University	University of Kentucky
Indiana University	University Nevada, Las Vegas
Iowa State University	University of Oregon
Jefferson University	University of Pennsylvania
Loma Linda University	University of Pittsburgh
Mayo School of Health Sciences	University of Southern California
Mayo Graduate School of Medicine	University of Utah
Michigan State University	University of Virginia
Midwestern University	University of Washington
Oregon Health and Science University	Utah State University
Palmer College of Chiropractic	Virginia-Maryland Regional
Pacific Northwest University	Washington State University
Rosalind Franklin University	Western University of Health Sciences

The choice to pursue a career or graduate program in the health and wellness arena connects seamlessly to the mission of Whitworth University: equipping graduates to honor God, follow Christ and serve humanity. Whitworth's rigorous liberal arts education gives students a broad knowledge base and a set of analytical, critical-thinking and communication skills that enable them to thrive in graduate school and in their chosen careers. During his or her time at Whitworth, each student is encouraged to explore new areas of interest and to choose a major that focuses on an area that s/he finds most exciting. Most health-related graduate programs accept students from all majors and disciplines, as long as they have taken the required prerequisite courses. Therefore, all students preparing for careers in the health professions are encouraged to work closely with an advisor in their chosen major and with the health professions advisor (listed below each program's title) to develop a curriculum that prepares them to take the Medical College Admission Test (MCAT), the Dental Admission Test (DAT), or the Graduate Record Examination (GRE), and/or to apply to the graduate school of their choice.

Specific prerequisites for programs may differ; it is the student's responsibility to check the prerequisites for the institution to which s/he wishes to apply. The following are some examples of health professions and the suggested courses for entrance into these graduate programs.

### Pre-Chiropractic

Advisor: Mike Ediger

Chiropractic schools vary widely in their prerequisites. Check with your advisor and the D.C. school in which you are interested for more specific course requirements. Also, meet with your advisor regularly to develop an academic plan that meets your interests and goals.

## Pre-Dentistry

Advisors: Karen Stevens, Mike Sardinia, Deanna Ojennus

The following courses are usually required for pre-dentistry students:

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
BI 370 or BI 447	Bacterial Pathogenesis (plus lab) Microbial Physiology	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
CH 271 & 271L	Organic Chemistry I and Organic Chemistry I Lab	4
CH 278 & 278L	Organic Chemistry II and Organic Chemistry II Lab	4
CH 401 or BI 311	Biochemistry I General Biochemistry	3
PS 151	General Physics I	3
PS 153	General Physics II	3
One year of college English		6

## Pre-Medicine

Advisors: Karen Stevens, Mike Sardinia, Deanna Ojennus, Beth Abbey

The following courses are usually required for pre-medicine students:

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
BI 363 & 363L or BI 399	Genetics and Lab: Genetics Molecular Genetics	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
CH 271 & 271L	Organic Chemistry I and Organic Chemistry I Lab	4
CH 278 & 278L	Organic Chemistry II and Organic Chemistry II Lab	4
One of the following set of courses:		7

CH 401 & 401L & CH 403 Or	Biochemistry I and Biochemistry I Lab and Biochemistry II	
BI 311 & BI 412	General Biochemistry and Cell Physiology	
MA 171	Calculus I	4
MA 172	Calculus II	4
PS 151	General Physics I	3
PS 153	General Physics II	3
PY 101	Introductory Psychology	3

SO 120	Introduction to Sociology	3
One year of college English		6
Other courses strongly suggested:		
BI 323	Animal Physiology (plus lab)	4
BI 350	Comparative Vertebrate Anatomy (plus lab)	4
BI 354	Developmental Biology (plus lab)	4
PH 221	Ethics	3

## Pre-Med Tech

Advisor: Deanna Ojennus

*Note: Medical technology schools vary widely in their prerequisites. Check with your advisor and the med-tech school in which you are interested for more specific courses required.*

The courses shown here are required by the PSHMC MLS program.

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
BI 370	Bacterial Pathogenesis (plus lab)	4
BI 448 & 448L	Environmental Microbiology and Lab: Environmental Microbiology	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
CH 271 & 271L	Organic Chemistry I and Organic Chemistry I Lab	4
CH 278 & 278L	Organic Chemistry II and Organic Chemistry II Lab	4
CH 401 & 401L	Biochemistry I and Biochemistry I Lab	4
MA 256	Elementary Probability and Statistics	3

Immunology\*

Other recommended courses:

BI 308	Biology of HIV/AIDS	3
BI 346	Field Parasitology	3
BI 354 & 354L	Developmental Biology and Lab: Developmental Biology	4
BI 363 & 363L	Genetics and Lab: Genetics	4
BI 399 & 399L	Molecular Genetics and Molecular Genetics Lab	4
BI 412	Cell Physiology	3
BI 447 & 447L	Microbial Physiology and Lab: Microbial Physiology	4
CH 335 & 335L	Analytical Chemistry and Analytical Chemistry Lab	4
CH 336 & 336L	Spectroscopic Analysis and Spectroscopic Analysis Lab	4
CH 403	Biochemistry II	3
HS 185	Medical & Anat. Terminology	2
HS 220 & 220L	Anatomy and Physiology I and Lab: Anatomy and Physiology I	4
HS 221 & 221L	Anatomy and Physiology II and Lab: Anatomy and Physiology II	4

\* Immunology is not offered at Whitworth and must be completed at another institution or online. See your advisor for a list of possible online courses.

## Pre-Pharmacy

Advisors: Karen Stevens, Deanna Ojennus

*Note: Pharmacy schools vary widely in their prerequisites. Check with your advisor and the pharmacy school in which you are interested for more specific courses required.*

The following set of courses is recommended for all pre-pharmacy students:

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
CH 271 & 271L	Organic Chemistry I and Organic Chemistry I Lab	4
CH 278 & 278L	Organic Chemistry II and Organic Chemistry II Lab	4
CH 401 & 401L & CH 403	Biochemistry I and Biochemistry I Lab and Biochemistry II	7
EC 210	Principles of Microeconomics	3
MA 171	Calculus I	4
MA 256	Elementary Probability and Statistics	3
SP 210	Introduction to Public Speaking	3
One year of college English		6
One of the following:		4
BI 306	Medical Microbiology (plus lab)	
BI 370	Bacterial Pathogenesis (plus lab)	
BI 447	Microbial Physiology (plus lab)	

## Pre-Physical Therapy

Advisor: Mike Ediger

The prerequisite courses for professional physical therapy programs vary by institution. The list of courses below is based on the requirements for the more rigorous programs that Whitworth students consider. Check with your advisor and the PT schools in which you are interested for more specific course requirements. Also, meet with your advisor regularly to develop an academic plan that meets your interests and goals.

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
HS 220 & 220L	Anatomy and Physiology I and Lab: Anatomy and Physiology I	4
HS 221 & 221L	Anatomy and Physiology II and Lab: Anatomy and Physiology II	4
HS 320	Structural and Mechanical Kinesiology	4

MA 256	Elementary Probability and Statistics	3
PS 151	General Physics I	3
PS 153	General Physics II	3
Note: General physics courses at Whitworth are calculus based. Please see your advisor if you have questions about this.		
PY 101	Introductory Psychology	3
PY 358	Psychopathology	3
SO 120	Introduction to Sociology	3
One year of college-level writing		6
Upper-division courses in biology, such as Genetics, Animal Physiology, or Developmental Biology		

## Pre-Physician Assistant

Advisor: Mike Ediger

The prerequisite courses for professional physician assistant programs vary by institution. The list of courses below is based on the requirements for the more rigorous programs that Whitworth students consider. Check with your advisor and the PA schools in which you are interested for more specific course requirements. Also, meet with your advisor regularly to develop an academic plan that meets your interests and goals.

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
BI 306	Medical Microbiology (plus lab)	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
HS 220 & 220L	Anatomy and Physiology I and Lab: Anatomy and Physiology I	4
HS 221 & 221L	Anatomy and Physiology II and Lab: Anatomy and Physiology II	4
HS 326 & 326L	Exercise Physiology and Exercise Physiology Lab	4
MA 256	Elementary Probability and Statistics	3
PY 101	Introductory Psychology	3
Other courses that are recommended may include:		
BI 311	General Biochemistry	3
BI 323 & 323L or BI 350 & BI 350L	Animal Physiology and Lab: Animal Physiology Comparative Vertebrate Anatomy	4
BI 363 & 363L or BI 399 & BI 399L	Genetics and Lab: Genetics Molecular Genetics	4
CH 271 & 271L	Organic Chemistry I and Organic Chemistry I Lab	4
HS 410	Chronic Disease Epidemiology and Prevention	3
PY 210	Developmental Psychology	3
One year of college-level writing		6

## Pre-Veterinary

Advisors: Mike Sardinia

The following courses are usually required for pre-veterinary students:

BI 140 & 140L	General Biology I: Genes, Cells and Evolution and General Biology I: Genes, Cells and Evolution Lab	4
BI 141 & 141L	General Biology II: Organismal Diversity and General Biology II: Organismal Diversity Lab	4
BI 323 & 323L	Animal Physiology and Lab: Animal Physiology	4
BI 363 & 363L	Genetics and Lab: Genetics	4
BI 350 & 350L	Comparative Vertebrate Anatomy and Lab: Comparative Vertebrate Anatomy	4
BI 354 & 354L	Developmental Biology and Lab: Developmental Biology	4
BI 370 or BI 447	Bacterial Pathogenesis (plus lab) Microbial Physiology	4
CH 161 & 161L	General Chemistry I and General Chemistry I Lab	4
CH 181 & 181L	General Chemistry II and General Chemistry II Lab	4
CH 271 & 271L	Organic Chemistry I and Organic Chemistry I Lab	4
CH 278 & 278L	Organic Chemistry II and Organic Chemistry II Lab	4
CH 401 & 401L	Biochemistry I and Biochemistry I Lab	4
CH 403 or BI 311	Biochemistry II General Biochemistry	3
MA 171	Calculus I	4
MA 172	Calculus II	4
MA 256	Elementary Probability and Statistics	3
PS 151	General Physics I	3
PS 153	General Physics II	3

## Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.