



QUICK GUIDE:
Common Pre-Health Pre-Requisites

Revised 12/3/2021

<p>MEDICINE (Physician: MD or DO)</p>	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ 1 year Physics (PH 111/112) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ Statistics (MTH 160 or 260) ✓ Psychology & Sociology <p><i>Requirements of individual programs vary. Some programs require Genetics (BIOL 213), Physiology (EXCS 221), Calculus (MTH 180/181) and/or other courses.</i></p>	<ul style="list-style-type: none"> ✓ Biology (BIOL 111, 112, 212) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ 1 year Physics (PH 111 & 112) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ English (SSI 1 & SSI 2) ✓ Anatomy & Physiology (EXCS 221/222) <p><i>Requirements of individual programs vary. Some programs require Microbiology (BIOL 350), Genetics (BIOL 213), and other courses.</i></p>	<p>DENTISTRY</p>
<p>VETERINARY MEDICINE</p>	<ul style="list-style-type: none"> ✓ Biology (BIOL 111, 112, 213) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ 1 year Physics (PH 111/112 or 121/122) ✓ Statistics (MTH 160 or 260) ✓ Microbiology (BIOL 350) ✓ Animal Nutrition (<i>not offered at UPS</i>) ✓ Animal Science (<i>not offered at UPS</i>) <p><i>Additional, optional, courses for consideration: PSYC 311, PSYC 377 & CONN 357</i></p>	<ul style="list-style-type: none"> ✓ Biology (BIOL 111 & 112) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (250/251) ✓ 1 year Physics (PH 111/112 or 121/122) ✓ Calculus (MTH 180) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Microbiology (BIOL 350) ✓ Biochemistry (BIOL 361 or CH 460/461)* ✓ Statistics (MTH 160 or 260) <p><i>*UW recommends a full year of Biochemistry</i></p>	<p>PHARMACY</p>
<p>NURSING</p>	<ul style="list-style-type: none"> ✓ Biology (BIOL 111 & 112) ✓ Chemistry (CH 110/120 or 115/230, Some require CH 250/251) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Statistics (MTH 160 or 260) ✓ Microbiology (BIOL 350) ✓ Lifespan Psychology (PSYC 222) ✓ Sociology ✓ Nutrition (EXSC 301) <p><i>Individual programs may vary significantly in their requirements. Many programs require grades of B or higher in all pre-requisite courses.</i></p>	<ul style="list-style-type: none"> ✓ Biology (BIOL 111, 112 & 213) ✓ 1 year General Chemistry (CH 110/120) ✓ 1 year Organic Chemistry (CH 250/251) ✓ Statistics (MTH 160 or 260) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Microbiology (BIOL 350) ✓ Psychology ✓ Experience (1-2-yr paid full-time work) <p><i>Individual programs may vary significantly in their requirements. Some programs may require Medical Terminology (not offered at Puget Sound). Many programs require grades of B or higher in all pre-requisite courses.</i></p>	<p>PHYSICIAN ASSISTANT</p>
<p>OPTOMETRY</p>	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ 1 year Physics (PH 111/112 or 121/122) ✓ Immunology (<i>not offered at Puget Sound</i>) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Calculus & Statistics (MTH 160 & 180) ✓ Psychology ✓ English (SSI 1 & SSI 2) <p><i>Requirements of individual programs vary.</i></p>	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ 1 year Physics (PH 111/112 or 121/122) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ Statistics (MTH 160 or 260) ✓ Psychology & Sociology ✓ English (SSI 1 & SSI 2) <p><i>Requirements of individual programs vary. Biochemistry (BIOL 361), Human Anatomy & Physiology (EXSC 221/222) may be required.</i></p>	<p>PODIATRY</p>

Have specific questions about your path as a pre-health student?

Contact Health Professions Advising at healthprofessions@pugetsound.edu or visit www.pugetsound.edu/HPA

PHYSICAL THERAPY	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111/112 or 111/212) ✓ 1 year Chemistry (CH 110/120 or 115/230) ✓ 1 year Physics (PH 111/112 or 121/122) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Statistics (MATH 160) ✓ 2 semesters of Psychology (PSYC 101 plus Developmental or Lifespan Psychology) <p><i>Requirements of individual programs may vary. Many programs require or strongly recommend Exercise Physiology (EXSC 329), Biomechanics (EXSC 336), Nutrition (EXSC 301), and/or other courses.</i></p>	<ul style="list-style-type: none"> ✓ Statistics (MTH 160 or 260) ✓ 1 year Psychology (220 & 221) ✓ 1 Additional 200+ level course in Psychology, Sociology or Anthropology (focus must be on individual and/or group interaction, culture or mental health) ✓ Anatomy & Physiology (EXCS 221/222) <p><i>Requirements are based upon University of Puget Sound OTD Program. Requirements of individual programs may vary and may also include BIOL 111/112, BIOL 350, CHEM 110/120, CHEM 250/251, PHYS 111/112, English, and/or Medical Terminology.</i></p>	OCCUPATIONAL THERAPY
CHIROPRACTIC MEDICINE	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ 1 year Physics (PH 111/112) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Statistics (MTH 160 or 260) ✓ Psychology ✓ Biomechanics (EXCS 336) and/or Exercise Physiology (EXCS 329) <p><i>Requirements are based upon University of Western States. Individual programs may vary significantly in their requirements.</i></p>	<p>Master of Public Health programs commonly do not have specific pre-requisite coursework as application requirements. Prospective MPH students can have a variety of undergraduate academic degrees, and may benefit from undergraduate courses in human biology, statistics, and sociology. Students should check with any MPH programs to which they are interested in applying.</p> <p>Suggested courses* applicable to public health may include: SOAN 360, SOAN 365, STS 366, CONN 320, PSYC 345, BIOE 292/PHIL 292, BIOE 392, COMM 450 & IPE 331</p> <p><i>*Students are encouraged to research frequency by which courses are offered via the course bulletin.</i></p>	PUBLIC HEALTH
ANESTHESIOLOGIST ASSISTANT	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ Anatomy & Physiology (EXCS 221/222) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Organic Chemistry (CH 250/251) ✓ 1 year Physics (PH 111/112) ✓ 1 year Calculus (MTH 180/181) <p><i>Requirements of individual program may vary. Some programs may require or recommend Biochemistry with a lab (CH 460). Applicants must take either the MCAT or GRE.</i></p>	<ul style="list-style-type: none"> ✓ Nutrition (EXSC 301) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 year Biology (BIOL 111 & 212) ✓ 1 semester Organic Chemistry (CH 250) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ Anatomy & Physiology (EXCS 221/222) ✓ Psychology (1 semester) ✓ Microbiology (BIOL 350) ✓ Statistics (MTH 160 or 260) ✓ Exercise Physiology (EXSC 329) <p><i>Requirements of individual programs may vary significantly in their requirements. Some programs require Food Science & Management of Nutrition Services (neither offered at UPS), Ethics, Public Speaking, and Strength Training/Conditioning.</i></p>	NUTRITION/DIETETICS
PATHOLOGIST ASSISTANT	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ Microbiology (BIOL 350) ✓ Anatomy & Physiology (EXCS 221 & 222) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ 1 semester Organic Chemistry (CH 250) ✓ 1 semester Mathematics (college algebra or higher, Statistics—MTH 160 or MTH 260—may be recommended) ✓ English Composition (SSI 1 & SSI 2) <p><i>Requirements of individual programs vary. Some programs may require or recommend Medical Terminology and Histology (neither offered at Puget Sound), Biochemistry (BIOL 361) and/or Physics.</i></p>	<ul style="list-style-type: none"> ✓ 1 year Biology (BIOL 111 & 212) ✓ 1 year General Chemistry (CH 110/120 or 115/230) ✓ Genetics (BIOL 213) ✓ Biochemistry (BIOL 361 or CH 460/461) ✓ 1 semester Introductory Psychology ✓ 1-2 semesters of Psychology (PSYC 101 and/or PSYC 222, varies by program) ✓ Statistics (MTH 160 or 260) ✓ Anatomy & Physiology (EXCS 221/222) <p><i>Requirements of individual programs vary. Some programs may require or recommend Organic Chemistry (CH 250/251), and/or courses from Sociology & Anthropology.</i></p>	GENETIC COUNSELOR

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