

**QUICK GUIDE:  
Common Pre-Health Pre-Requisites**

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

Have specific questions about your path as a pre-health student?  
Contact Health Professions Advising at [healthprofessions@pugetsound.edu](mailto:healthprofessions@pugetsound.edu) or visit [www.pugetsound.edu/HPA](http://www.pugetsound.edu/HPA)

<b>PHYSICAL THERAPY</b>	<ul style="list-style-type: none"> <li>✓ <b>1 year Chemistry*</b> (CH 110/120 or 115/230)</li> <li>✓ <b>1 year Physics</b> (PH 111/112 or 121/122)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXCS 221/222)</li> <li>✓ <b>Statistics</b> (MATH 160)</li> <li>✓ <b>1 Course Psychology or Sociology</b> (PSYC 101, 220, 221 or 320; or SOAN 206 or 370)</li> </ul> <p><i>*Only 1 semester of lab required Requirements are based upon University of Puget Sound Program. Requirements of individual programs may vary.</i></p>	<ul style="list-style-type: none"> <li>✓ <b>Statistics</b> (MTH 160 or 260)</li> <li>✓ <b>1 year Psychology</b> (220 &amp; 221)</li> <li>✓ <b>1 Additional 200+ level course in Psychology, Sociology or Anthropology</b> (focus must be on individual and/or group interaction, culture or mental health)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXCS 221/222)</li> </ul> <p><i>Requirements are based upon University of Puget Sound OTD Program. Requirements of individual programs may vary.</i></p>	<b>OCCUPATIONAL THERAPY</b>
<b>CHIROPRACTIC MEDICINE</b>	<ul style="list-style-type: none"> <li>✓ <b>1 year Biology</b> (BIOL 111 &amp; 212)</li> <li>✓ <b>1 year General Chemistry</b> (CH 110/120 or 115/230)</li> <li>✓ <b>1 year Organic Chemistry</b> (CH 250/251)</li> <li>✓ <b>1 year Physics</b> (PH 111/112)</li> <li>✓ <b>Biochemistry</b> (BIOL 361)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXCS 221/222)</li> <li>✓ <b>Statistics</b> (MTH 160 or 260)</li> <li>✓ <b>Psychology</b></li> <li>✓ <b>*Biomechanics (EXCS 336) and/or Exercise Physiology (EXCS 329)</b></li> </ul> <p><i>*Requirements of individual programs vary on these courses. 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 &amp; IPE 331</p> <p><i>*Students are encouraged to research frequency by which courses are offered via the course bulletin.</i></p>	<b>PUBLIC HEALTH</b>
<b>ANESTHESIOLOGIST ASSISTANT</b>	<ul style="list-style-type: none"> <li>✓ <b>1 year Biology</b> (BIOL 111 &amp; 212)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXCS 221/222)</li> <li>✓ <b>1 year General Chemistry</b> (CH 110/120 or 115/230)</li> <li>✓ <b>1 semester Organic Chemistry</b> (CH 250)</li> <li>✓ <b>A second semester of Organic Chemistry</b> (CH 251) <b>or Biochemistry with laboratory</b> (BIOL 361)</li> <li>✓ <b>1 year Physics</b> (PH 111/112)</li> <li>✓ <b>1 year Calculus</b> (MTH 180/181)</li> </ul> <p><i>Applicants must take either the MCAT or GRE.</i></p>	<ul style="list-style-type: none"> <li>✓ <b>Nutrition</b> (EXSC 301)</li> <li>✓ <b>1 year General Chemistry</b> (CH 110/120 or 115/230)</li> <li>✓ <b>1 year Biology</b> (BIOL 111 &amp; 212)</li> <li>✓ <b>1 semester Organic Chemistry</b> (CH 250)</li> <li>✓ <b>Biochemistry</b> (BIOL 361)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXCS 221/222)</li> <li>✓ <b>Psychology</b> (1 semester)</li> <li>✓ <b>Microbiology</b> (BIOL 350)</li> <li>✓ <b>Statistics</b> (MTH 160 or 260)</li> <li>✓ <b>Exercise Physiology</b> (EXSC 329)</li> </ul> <p><i>*Requirements of individual programs may vary significantly in their requirements. Some programs require Food Science &amp; Management of Nutrition Services (neither offered at UPS), Ethics, Public Speaking, and Strength Training/Conditioning.</i></p>	<b>NUTRITION/DIETETICS</b>
<b>PATHOLOGIST ASSISTANT</b>	<ul style="list-style-type: none"> <li>✓ <b>1 year Biology</b> (BIOL 111 &amp; 212)</li> <li>✓ <b>Microbiology</b> (BIOL 350)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXSC 221 &amp; 222)</li> <li>✓ <b>1 year General Chemistry</b> (CH 110/120 or 115/230)</li> <li>✓ <b>1 semester Organic Chemistry</b> (CH 250) <b>and/or Biochemistry</b> (BIOL 361)</li> <li>✓ <b>1 semester Mathematics</b> (college algebra or higher, Statistics—MTH 160 or MTH 260—may be recommended)</li> <li>✓ <b>English Composition</b> (SSI 1 &amp; SSI 2)</li> </ul> <p><i>Requirements of individual programs vary. Some programs may require or recommend Medical Terminology and Histology (neither offered at Puget Sound) and/or Physics.</i></p>	<ul style="list-style-type: none"> <li>✓ <b>1 year Biology</b> (BIOL 111 &amp; 212)</li> <li>✓ <b>1 year General Chemistry</b> (CH 110/120 or 115/230)</li> <li>✓ <b>Genetics</b> (BIOL 213)</li> <li>✓ <b>Biochemistry</b> (BIOL 361)</li> <li>✓ <b>1 semester Introductory Psychology</b></li> <li>✓ <b>Developmental Psychology</b></li> <li>✓ <b>Statistics</b> (MTH 160 or 260)</li> <li>✓ <b>Anatomy &amp; Physiology</b> (EXCS 221/222)</li> </ul> <p><i>Requirements of individual programs vary. Some programs may require or recommend Organic Chemistry (CH 250/251), and/or courses from Sociology &amp; Anthropology.</i></p>	<b>GENETIC COUNSELOR</b>

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