**QUICK GUIDE:**
Common Pre-Health Pre-Requisites
Revised 11/8/2022

<table>
<thead>
<tr>
<th>MEDICINE (Physician: MD or DO)</th>
<th>DENTISTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✓ Biology (BIOL 111, 112, 212)</td>
</tr>
<tr>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
</tr>
<tr>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
</tr>
<tr>
<td>✓ 1 year Physics (PH 111/112)</td>
<td>✓ 1 year Physics (PH 111 &amp; 112)</td>
</tr>
<tr>
<td>Biochemistry (BIOL 361 or CH 460/461)</td>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)</td>
</tr>
<tr>
<td>Statistics (MTH 160 or 260)</td>
<td>English (SSI 1 &amp; SSI 2)</td>
</tr>
<tr>
<td>Psychology &amp; Sociology</td>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
</tr>
</tbody>
</table>

Requirements of individual programs vary. Some programs require Genesics (BIOL 213), Anatomy & Physiology (EXCS 222/221), Calculus (MTH 180/181) and/or other courses.

<table>
<thead>
<tr>
<th>VETERINARY MEDICINE</th>
<th>PHARMACY</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Biology (BIOL 111, 112 or 212, 213)</td>
<td>✓ Biology (BIOL 111 &amp; 112)</td>
</tr>
<tr>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
</tr>
<tr>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>✓ 1 year Organic Chemistry (250/251)</td>
</tr>
<tr>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)</td>
<td>✓ 1 year Physics (PH 111/112 or 121/122)</td>
</tr>
<tr>
<td>✓ 1 year Physics (PH 111/112 or 121/122)</td>
<td>✓ Calculus (MTH 180)</td>
</tr>
<tr>
<td>✓ Microbiology (BIOL 350)</td>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
</tr>
<tr>
<td>✓ Animal Nutrition and/or Animal Science (not offered at UPS)</td>
<td>✓ Microbiology (BIOL 350)</td>
</tr>
<tr>
<td>✓ English (SSI 1 &amp; SSI 2)</td>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)*</td>
</tr>
<tr>
<td>Most programs require: Calculus (MTH 180/181) and Statistics (MTH 160 or 260). Some programs require Public Speaking, Medical Terminology (not offered at UPS), Cell Biology (BIOL 212), Physiology, Psychology and/or Sociology.</td>
<td>✓ Statistics (MTH 160 or 260)</td>
</tr>
</tbody>
</table>

*Some programs may recommend a full year of Biochemistry.

<table>
<thead>
<tr>
<th>NURSING</th>
<th>PHYSICIAN ASSISTANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Biology (BIOL 111 &amp; 112)</td>
<td>✓ Biology (BIOL 111, 112 &amp; 213)</td>
</tr>
<tr>
<td>✓ Chemistry (CH 110/120 or 115/230, Some require CH 250/251)</td>
<td>✓ 1 year General Chemistry (CH 110/120)</td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
</tr>
<tr>
<td>✓ Statistics (MTH 160 or 260)</td>
<td>✓ Statistics (MTH 160 or 260)</td>
</tr>
<tr>
<td>✓ Microbiology (BIOL 350)</td>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
</tr>
<tr>
<td>✓ Lifespan Psychology (PSYC 222)</td>
<td>✓ Microbiology (BIOL 350)</td>
</tr>
<tr>
<td>✓ Sociology</td>
<td>✓ Psychology</td>
</tr>
<tr>
<td>✓ Nutrition (EXSC 301)</td>
<td>✓ Experience (1-2 yrs paid full-time work)</td>
</tr>
</tbody>
</table>

Individual programs may vary significantly in their requirements. Many programs require grades of B or higher in all pre-requisite courses.

<table>
<thead>
<tr>
<th>OPTOMETRY</th>
<th>PODIATRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
</tr>
<tr>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
</tr>
<tr>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
</tr>
<tr>
<td>✓ 1 year Physics (PH 111/112 or 121/122)</td>
<td>✓ 1 year Physics (PH 111/112 or 121/122)</td>
</tr>
<tr>
<td>✓ Immunology (not offered at Puget Sound)</td>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)</td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
<td>✓ Statistics (MTH 160 or 260)</td>
</tr>
<tr>
<td>✓ Calculus &amp; Statistics (MTH 160 &amp; 180)</td>
<td>✓ Psychology &amp; Sociology</td>
</tr>
<tr>
<td>✓ Psychology</td>
<td>✓ English (SSI 1 &amp; SSI 2)</td>
</tr>
</tbody>
</table>
| ✓ English (SSI 1 & SSI 2) | Requirements of individual programs vary. Human Anatomy & Physiology (EXCS 221/222) may be required.

Requirements of individual programs vary. Some programs require Microbiology (BIOL 350), Genetics (BIOL 213), and other courses.

---

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
<table>
<thead>
<tr>
<th>PHYSICAL THERAPY</th>
<th>OCCUPATIONAL THREATRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111/12 or 111/212)</td>
<td>✓ Statistics (MTH 160 or 260)</td>
</tr>
<tr>
<td>✓ 1 year Chemistry (CH 110/120 or 115/230)</td>
<td>✓ 1 year Psychology (220 &amp; 221)</td>
</tr>
<tr>
<td>✓ 1 year Physics (PH 111 or 112 or 121/222)</td>
<td>✓ 1 Additional 200+ level course in Psychology, Sociology or Anthropology (focus must be on individual and/or group interaction, culture or mental health)</td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
</tr>
<tr>
<td>✓ Statistics (MATH 160)</td>
<td>Requirements of individual programs may vary and may also include BIOL 111/112, BIOL 350, CHEM 110/120, CHEM 250/251, PHYS 111/112, Medical Terminology* (not offered at Puget Sound), and/or English. *GLAM 120 fulfills the medical terminology requirement for the Puget Sound OTD Program.</td>
</tr>
<tr>
<td>✓ 2 semesters of Psychology (PSYC 101 plus Developmental or Lifespan Psychology)</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CHIROPRACTIC MEDICINE</th>
<th>PUBLIC HEALTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>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 courses in human biology, statistics, and sociology. Students should check with any MPH programs to which they are interested in applying.</td>
</tr>
<tr>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
<td></td>
</tr>
<tr>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>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</td>
</tr>
<tr>
<td>✓ 1 year Physics (PH 111/112)</td>
<td>*Students are encouraged to research frequency by which courses are offered via the course bulletin.</td>
</tr>
<tr>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)</td>
<td></td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
<td></td>
</tr>
<tr>
<td>✓ Statistics (MTH 160 or 260)</td>
<td></td>
</tr>
<tr>
<td>✓ Psychology</td>
<td></td>
</tr>
<tr>
<td>✓ Biomechanics (EXCS 336) and/or Exercise Physiology (EXCS 329)</td>
<td></td>
</tr>
<tr>
<td>Requirements of individual program may vary significantly.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANESTHESIOLOGIST ASSISTANT</th>
<th>NUTRITION/DIETETICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✓ Nutrition (EXSC 301)</td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
</tr>
<tr>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
</tr>
<tr>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>✓ 1 semester Organic Chemistry (CH 250)</td>
</tr>
<tr>
<td>✓ 1 year Physics (PH 111/112)</td>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)</td>
</tr>
<tr>
<td>✓ 1 year Calculus (MTH 180/181)</td>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
</tr>
<tr>
<td>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.</td>
<td>✓ Psychology (1 semester)</td>
</tr>
<tr>
<td></td>
<td>✓ Microbiology (BIOL 350)</td>
</tr>
<tr>
<td></td>
<td>✓ Statistics (MTH 160 or 260)</td>
</tr>
<tr>
<td></td>
<td>✓ Exercise Physiology (EXSC 329)</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PATHOLOGIST ASSISTANT</th>
<th>GENETIC COUNSELOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
</tr>
<tr>
<td>✓ Microbiology (BIOL 350)</td>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (EXCS 221 &amp; 222)</td>
<td>✓ Genetics (BIOL 213)</td>
</tr>
<tr>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
<td>✓ Biochemistry (BIOL 361 or CH 460/461)</td>
</tr>
<tr>
<td>✓ 1 semester Organic Chemistry (CH 250)</td>
<td>✓ 1-2 semesters of Psychology (PSYC 101 and/or PSYC 222, varies by program)</td>
</tr>
<tr>
<td>✓ 1 semester Mathematics (college algebra or higher, Statistics—MTH 160 or MTH 260—may be recommended)</td>
<td>✓ Statistics (MTH 160 or 260)</td>
</tr>
<tr>
<td>✓ English Composition (SSI 1 &amp; SSI 2)</td>
<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
</tr>
<tr>
<td>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.</td>
<td>Requirements of individual programs vary. Some programs may require or recommend Organic Chemistry (CH 250/251), and/or courses from Sociology &amp; Anthropology.</td>
</tr>
</tbody>
</table>

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