## QUICK GUIDE:
### Common Pre-Health Pre-Requisites
**Revised 12/3/2021**

### MEDICINE (Physician: MD or DO)
- 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

Requirements of individual programs vary. Some programs require Genetics (BIOL 213), Physiology (EXCS 221), Calculus (MTH 180/230) and/or other courses.

### DENTISTRY
- 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)

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

### VETERINARY MEDICINE
- 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 (not offered at UPS)
- Animal Science (not offered at UPS)

Additional, optional, courses for consideration:
- PSYC 311, PSYC 377 & CONN 357

### PHARMACY
- 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)

*UW recommends a full year of Biochemistry

### NURSING
- 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)

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

### PHYSICIAN ASSISTANT
- 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 yrs paid full-time work)

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.

### OPTOMETRY
- 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 (not offered at Puget Sound)
- Anatomy & Physiology (EXCS 221/222)
- Calculus & Statistics (MTH 160 & 180)
- Psychology
- English (SSI 1 & SSI 2)

Requirements of individual programs vary.

### PODIATRY
- 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)

Requirements of individual programs vary. Human Anatomy & Physiology (EXSC 221/222) may be required.

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>ANESTHESIOLOGIST ASSISTANT</th>
<th>PATHOLOGIST ASSISTANT</th>
<th>OCCUPATIONAL THERAPY</th>
<th>PUBLIC HEALTH</th>
<th>NUTRITION/DIETETICS</th>
<th>GENETIC COUNSELOR</th>
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<tbody>
<tr>
<td>✓ 1 year Biology (BIOL 111/122 or 111/212)</td>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✓ Nutrition (EXSC 301)</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>✓ 1 year Chemistry (CH 110/120 or 115/230)</td>
<td>✓ 1 year General Chemistry (CH 110/120 or 115/230)</td>
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<td>✔</td>
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<tr>
<td>✓ 1 year Physics (PH 111/112 or 121/122)</td>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>✓ 1 year Organic Chemistry (CH 250/251)</td>
<td>✓ 1 year Biology (BIOL 111 &amp; 212)</td>
<td>✔</td>
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<td>✓ Anatomy &amp; Physiology (EXCS 221/222)</td>
<td>✓ 1 year Physics (PH 111/112)</td>
<td>✓ 1 year Physics (PH 111/112)</td>
<td>✓ 1 semester Organic Chemistry (CH 250)</td>
<td>✔</td>
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<td>✓ Statistics (MATH 160)</td>
<td>✓ 1 year Calculus (MTH 180/181)</td>
<td>✓ 1 year Calculus (MTH 180/181)</td>
<td>✓ 1 semester Mathematics (college algebra or higher, Statistics—MTH 160 or MTH 260—may be recommended)</td>
<td>✔</td>
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<td>✓ 2 semesters of Psychology (PSYC 101 plus Developmental or Lifespan Psychology)</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>
<td>✓ 1 year Psychology (220 &amp; 221)</td>
<td>✓ Genomics (BIOL 213)</td>
<td>✔</td>
<td>✔</td>
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<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>Requirements are based upon University of Western States. Individual programs may vary significantly in their requirements.</td>
<td>Requirements of individual programs may vary. Some programs may require or recommend Biochemistry with a lab (CH 460). Applicants must take either the MCAT or GRE.</td>
<td>Requirements of individual programs may vary. Some programs require Food Science &amp; Management of Nutrition Services (neither offered at UPS), Ethics, Public Speaking, and Strength Training/ Conditioning.</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>
<td>*Students are encouraged to research frequency by which courses are offered via the course bulletin.</td>
<td>Suggested courses* applicable to public health may include:</td>
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