### QUICK GUIDE:
Common Pre-Health Pre-Requisites
Revised 8/1/2022

#### 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 180/181) and/or 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)
- Microbiology (BIOL 350)
- Animal Nutrition and/or Animal Science (not offered at UPS)
- English (SSI 1 & SSI 2)

Most programs require: Calculus (MTH 180/181) and Statistics (MTH 160 or 260). Some programs require Public Speaking, Medical Terminology (not offered at UPS), Physiology, Psychology and/or Sociology.

#### 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.

#### 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.

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**Contact Health Professions Advising at healthprofessions@pugetsound.edu or visit www.pugetsound.edu/HPA**
<table>
<thead>
<tr>
<th>PHYSICAL THERAPY</th>
<th>CHIROPRACTIC MEDICINE</th>
<th>ANESTHESIOLOGIST ASSISTANT</th>
<th>PATHOLOGIST ASSISTANT</th>
<th>GENETIC COUNSELOR</th>
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</thead>
<tbody>
<tr>
<td>✓ 1 year Biology (Biol 111/122)</td>
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<tr>
<td>✓ 1 year Chemistry (Ch 110/120 or 115/230)</td>
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<td>✓ 1 year Biology (Biol 111 &amp; 212)</td>
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<tr>
<td>✓ 1 year Physics (Ph 111 or 121 or 122)</td>
<td>✓ 1 year Organic Chemistry (Ch 250/251)</td>
<td>✓ 1 year Organic Chemistry (Ch 250/251)</td>
<td>✓ 1 semester Organic Chemistry (Ch 250)</td>
<td>✓ 1 year Biology (Biol 111 &amp; 212)</td>
</tr>
<tr>
<td>✓ Anatomy &amp; Physiology (Excs 221/222)</td>
<td>✓ 1 year Physics (Ph 111/112)</td>
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<td>✓ Genetics (Biol 213)</td>
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<td>✓ Statistics (Mth 160)</td>
<td>✓ 1 year Calculus (Mth 180/181)</td>
<td>✓ Statistics (Mth 160 or 260)</td>
<td>✓ 1 semester Mathematics (college algebra or higher, Statistics—MTH 160 or MTH 260—may be recommended)</td>
<td>✓ Biochemistry (Biol 361 or Ch 460/461)</td>
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<td>✓ 2 semesters of Psychology (Psyc 101 plus Developmental or Lifespan Psychology)</td>
<td>✓ English Composition (Ssi 1 &amp; Ssi 2)</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>✓ English Composition (Ssi 1 &amp; Ssi 2)</td>
<td>✓ 1-2 semesters of Psychology (Psyc 101 and/or Psyc 222, varies by program)</td>
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<td>Requirements of individual programs may vary. Many programs require or strongly recommend Exercise Physiology (Excs 329), Biomechanics (Excs 336), Nutrition (Exsc 301), and/or other courses.</td>
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<td>✓ Anatomy &amp; Physiology (Excs 221/222)</td>
<td>Requirements of individual programs vary. Some programs require or recommend Medical Terminology and Histology (neither offered at Puget Sound), Biochemistry (Biol 361) and/or Physics.</td>
<td>✓ Anatomy &amp; Physiology (Excs 221/222)</td>
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<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>
<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>
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<td>✓ Nutrition (Exsc 301)</td>
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Have specific questions about your path as a pre-health student?
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