Do you dream of a career in healthcare? Do you have a desire to help others, seek knowledge, and generally like science? Well, you are not alone! There are hundreds of Wright State University students with similar goals and tens of thousands nationally. Not to worry, the job opportunities are plentiful. According to the Bureau of Labor Statistics, healthcare occupations are projected to grow 19% from 2014 to 2024. This is faster than the average for all occupations and will add about 2.3 million new jobs. This growth is due to an aging population, increased access to healthcare, and the retirements of currently employed healthcare providers.

Most healthcare professions require advanced professional degrees as well as clinical training. This is generally 2-4 years of schooling and possibly 1-7 years of training in addition to your undergraduate degree. So if you are doing the math, this is a 6-15 year educational journey! Getting into professional school is very competitive. Having the desire, good grades and tests scores simply is not enough. Today’s health professions schools are looking for well-rounded, firmly grounded, and genuinely humane individuals. They seek diversity in their student body, as varied as the patients they will serve. The best healthcare providers care about their patients as much as they care for them.

Now you may be wondering if it is worth it and if it is right for you. If you ask almost anyone working as a healthcare professional, they will absolutely say that it is worth it! So how do you know if a career in healthcare is for you and how do you choose which one? Here are some suggestions to help you consider.

**Self-Assess:** Do you like working with people? Are you comfortable working with diverse populations (young, old, disabled, dying, etc)? Are you a team player? What lifestyle do you envision? Healthcare careers can offer stable and erratic schedules.

**Explore:** Are you comfortable in a healthcare setting? Learn about health professions by attending workshops or seminars, researching careers on the internet, or shadowing someone in the profession. Connect with other Wright State Pre-Health and medical students through mentoring programs and the Pre-Health Society. The more you know, the better off you will be!

**Commit:** Do you like and are you comfortable learning and studying science? Choose a major you are passionate about and that challenges you; one that you will enjoy and perform well in. Are you willing to continue learning throughout your career? Are you interested in volunteering, community service, and outreach? These are opportunities to cultivate and develop compassion, empathy, intellectual curiosity and good communication skills which go a long way in helping someone to become an excellent healthcare provider.

The Pre-Health Program is here to support you and help you to be the most competitive applicant you can be. We provide a current understanding of the requirements and trends for professional schools in **medicine, chiropractic, dentistry, occupational therapy, optometry, pharmacy, physical therapy, physician assistant, podiatry, and veterinary medicine.**

Your pre-health advisor will work alongside academic advisors to help you:
- explore majors and careers
- combine professional school pre-requisites with undergraduate coursework
- assess your strengths and interests
- engage in research, mentoring, community outreach, and shadowing
- prepare for entrance tests
- navigate and complete the application process for various professional schools
- prepare for interviewing

63% of WSU students who worked with a pre-health advisor were admitted to medical school in 2016-17 compared to 39% nationally.
Common Health Professions Program Prerequisites

Wright State University offers all the courses necessary to meet the requirements for admission to most health professional schools in the United States. In addition, all required courses are offered at least twice a year to accommodate students’ schedules.

**Medical School: WSU Courses**
- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1210/L and CHM 1220/L
- Organic Chemistry I and II w/ labs: CHM 2110/L and CHM 2120/L
- Physics I and II w/ labs: PHY 1110/L and PHY 1120/L
- Math: STT 2640 (1600) and MTH 2240 (or higher)
- Biochemistry: BMB 4210 and BMB 4230
- English: ENG 1100 & 2100
- Human A&P: ANT 3100 & ANT 3120

**Matriculant Data 2016:**
- Allopathic – MD
  - Total Applicants: 52,550
  - Total Matriculants: 20,631
  - GPA (overall): 3.55
  - GPA (science): 3.45
  - MCAT Score: >500 is competitive
- Osteopathic - DO
  - Total Applicants: 20,447
  - Total Matriculants: 6,392
  - GPA (overall): 3.47
  - GPA (science): 3.45
  - MCAT Score: >495 is competitive

**Chiropractic School: WSU Courses**
- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1210/L and CHM 1220/L
- Organic Chemistry I w/ lab: CHM 2110/L
- Physics I and II w/ labs: PHY 1110/L and PHY 1120/L
- English: ENG 1100 and ENG 2100
- Psychology: PSY 1010/L
- Social Sciences or Humanities Courses (15+ hours)

**Matriculant Data 2016:**
- Total Applications: unknown
- Total Matriculants: 2,500
- GPA (min/overall): 2.75

**Dental School: WSU Courses**
- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1210/L and CHM 1220/L
- Organic Chemistry I and II w/ labs: CHM 2110/L and CHM 2120/L
- General Physics w/ labs: PHY 1110/L and PHY 1120/L
- *Microbiology: BIO 3100 and 3110
- *Biochemistry: BMB 4210 and BMB 4230
- English: ENG 1100 and ENG 2100
- *Human A&P: ANT 3100 and ANT 3120

**Matriculant Data 2016:**
- Total Applicants: 11,745
- Total Matriculants: 5,892
- GPA (overall): 3.55
- GPA (science): 3.47
- DAT (mean): 19.9

**Occupational Therapy School: WSU Courses**
- Biology: BIO 1010 and BIO 1070 or BIO 1120
- Human A&P: ANT 2100 and ANT 2120
- Psychology: PSY 1010/L, PSY 3110, PSY 3410
- Sociology: SOC 2000
- Statistics: STT 1600 or STT 2640
- Medical Terminology: BIO 1010
- Physics I and/or II w/ labs: PHY 1110/L and/or PHY 1120/L

**Matriculant Data 2016:**
- Total Applicants: 1,481 (doctoral) and 40,839 (master’s)
- Total Matriculants: 227 (doctoral) and 6,682 (master’s)
- GPA: 3.0 minimum
- GRE: scores vary per program, generally 50th percentile

**Optometry School: WSU Courses**
- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1120/L and CHM 1210/L
- Organic Chemistry I and II w/ labs: CHM 2110/L and CHM 2120/L
- Physics I and II w/ labs: PHY 1110/L and PHY 1120/L
- Physiology: ANT 3110 and ANT 3120
- Psychology: PSY 1010/L, PSY 3410
- Microbiology: M&I 2200 or BIO 3100 and 3110
- Biochemistry: BMB 4210 or BMB 3220
- Mathematics: MTH 2240 or 2300
- English: ENG 1100 and 2100
- Medical Terminology: BIO 1010
- Social Sciences & Humanities Courses (6 hrs each)

**Matriculant Data 2016 (OSU):**
- Total Applicants: ~600
- Total Matriculants: 67
- GPA (overall): 3.51
- OAT: scores > 320 are competitive
Pharmacy School: WSU Courses

- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1210/L and CHM 1220/L
- Organic Chemistry I and II w/ labs: CHM 2110/L and CHM 2120/L
- Physics I and II w/ lab: PHY 1110/L and PHY 1120/L
- Human A&P: ANT 3100 and ANT 3120
- Microbiology: BIO 3100 and BIO 3110 or M&I 2200
- Calculus: MTH 2240 or MTH 2300
- Statistics: STT 2640 or STT 1600
- English: ENG 1100 and ENG 2100

In addition, some schools will require:

- Economics: EC 2000
- Psychology: PSY 1010/L
- Biochemistry: BMB 4210 and BMB 4230
- Public Speaking: COM 1010

Matriculant Data 2016:

Total Applicants: 17,365
GPA (overall): 3.36
GPA (science): 3.23
PCAT Score: 54th percentile is competitive

Physician Assistant School: WSU Courses

- Human A&P: ANT 3100 and ANT 3120
- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- Microbiology w/lab: M&I 2200 or BIO 3100 and BIO 3110
- Chemistry I and II w/labs: CHM 1210/L and CHM 1220/L
- Organic Chemistry I and II w/ labs: CHM 2110/L and CHM 2120/L
- Statistics: STT 2640 (1600)
- Biochemistry: BMB 4210 or BMB 3220
- Nutrition: KNH 2620
- Psychology: PSY 1010, 3110, and 3410

Medical Terminology: BIO 1010

Matriculant Data 2016:

Total Applicants: 22,997
GPA (overall): 3.34
GPA (science): 3.24
GRE Score: >50th percentile is competitive

Physical Therapy School: WSU Courses

- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1210/L and CHM 1220/L
- Physics I and II w/ labs: PHY 1110/L and PHY 1120/L
- Human A&P: ANT 3100 and ANT 3120
- Psychology: PSY 1010/L, PSY 3410
- Statistics: STT 2640 or STT 1600
- Exercise Physiology: BIO 3530 or KNH 2550

Matriculant Data 2016:

Total Applicants: 16,828
Total Accepted: 8,214
GPA (overall): 3.57
GPA (science): 3.42
GRE Score: 50th percentile is competitive

Podiatric Medical School: WSU Courses

- Biology I and II w/ labs: BIO 1120/L and BIO 1150/L
- General Chemistry I and II w/ labs: CHM 1210/L and CHM 1210/L
- Organic Chemistry I and II w/ labs: CHM 2110/L and CHM 2120/L
- Physics I and II w/ lab: PHY 1110/L and PHY 1120/L
- English I and II: ENG 1100 and ENG 2100

Matriculant Data 2016:

Total Applicants: 1,004
Total Accepted: 631
GPA (overall): 3.3
GPA (science): 3.2
MCAT: 21.4 (old score) ~492 (new score)

Veterinary School: WSU Courses

- Microbiology: BIO 3100 or BIO 3110
- Biochemistry: BMB 4210 and BMB 4230 or BMB 3220
- Public Speaking: COM 1010
- Physiology: BIO 3050 or ANT 3100 & ANT 3120
- Science Electives (35 hours)
- Humanities and Social Science Electives (16 hours)

Matriculant Data 2016:

Total Applicants: 6,769
Total Accepted: 3,310
GPA (overall): 3.48
GRE Score: 60th percentile is competitive

The information provided is for general pre-health advisement only. All health profession programs are different and may have requirements that differ from the information listed. Additionally, some schools may not accept online coursework, or AP, IB, CLEP, AICE, or CAPE credits to fulfill pre-requisite requirements. Students should meet with their major advisor, to ensure graduation requirements are met AND a pre-health advisor, to ensure their pre-professional requirements are met and that they are building a competitive profile. Students are responsible for verifying admissions information for their programs of interest. All information is subject to change.
Suggested Timeline for the Pre-Professional Student

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Sophomore Year</th>
<th>Junior Year</th>
<th>Senior Year</th>
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<tbody>
<tr>
<td>Meet with Pre-Health advisor</td>
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<td>Meet with Pre-Health advisor</td>
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<tr>
<td>Take Pre-Health Seminar</td>
<td>Explore research opportunities</td>
<td>Maintain competitive GPA</td>
<td>Continue research, volunteering, community service, leadership, shadowing</td>
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<tr>
<td>Join Pre-Health Society</td>
<td>Cultivate relationships with faculty</td>
<td>Volunteer/Work in healthcare</td>
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<tr>
<td>Request a medical mentor</td>
<td>Maintain competitive GPA</td>
<td>Explore/continue research</td>
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<tr>
<td>Explore a major and/or minor</td>
<td>Volunteer/Work in healthcare</td>
<td>Study for entrance exams (MCAT, GRE, PCAT, DAT, OAT)</td>
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</tr>
<tr>
<td>Develop superior study skills</td>
<td>Select major and/or minor</td>
<td>Register for and take entrance exams</td>
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<tr>
<td>Interact with faculty</td>
<td>Research medical school entrance requirements (should have about 75% of all prerequisites completed)</td>
<td>Seek out leadership opportunities</td>
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<tr>
<td>Maintain competitive GPA</td>
<td>Shadow a professional</td>
<td>Visit professional schools and attend open houses</td>
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<tr>
<td>Get involved</td>
<td>Research summer programs</td>
<td>Request letters of recommendation</td>
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<tr>
<td>Volunteer/Work in healthcare (Clinic, ER, Hospital, CNA/STNA, EMT)</td>
<td>Apply to Early Assurance Programs</td>
<td>Apply to professional school (early summer)</td>
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<tr>
<td>Research different healthcare careers</td>
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</tbody>
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Additional Information

- Wright State University Pre-Health Program
  www.wright.edu/prehealth
- Explore Health Careers
  www.explorehc.org
- Bureau of Labor Statistics
  www.bls.gov
- Careers in Science
  www.careercast.org/careers
- Association of American Medical Colleges
  www.aamc.org
- American Association of Colleges of Osteopathic Medicine
  www.aacom.org
- Association of Chiropractic Colleges
  www.chirocolleges.org
- American Dental Education Association
  www.aeda.org
- American Occupational Therapy Association
  www.aota.org
- Association of Schools and Colleges of Optometry
  www.aopted.org
- American Association of Pharmacy
  www.aacp.org
- American Physical Therapy Association
  www.apta.org
- American Academy of Physician Assistants
  www.aapa.org
- American Association of Colleges of Podiatric Medicine
  www.apma.org
- Association of American Veterinary Colleges
  www.aaavc.org
- American Association of Naturopathic Medicine
  www.naturopathic.org

Contact Us

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