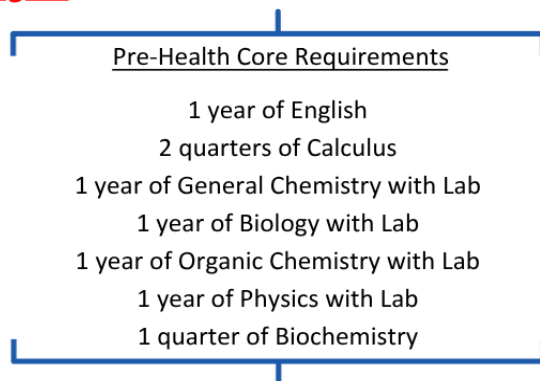


# Pre-Health Prerequisite Courses

What classes do I need to take? Being a pre-health student means that you will be responsible for keeping track of your major requirements (UCR degree requirements) as well as your health profession's requirements. Below are general requirements for the most common health professions. REMEMBER: These general requirements can vary between schools. **Always double check the prerequisite courses of the schools you plan on applying to.**



In addition to the core requirements above, a list of common prerequisites for several health professions are

Dentistry (D.D.S. / D.M.D.)

- 1 year Human Anatomy & Phys. w/ Lab
- 1 quarter Microbiology w/ Lab
- 1 quarter of Immunology
- 1 quarter of Histology

Medicine (M.D. / D.O.): MCAT prep.

- 1 quarter of Statistics
- 2 quarters of General Psychology
- 1 quarter of General Sociology
- 1 quarter of Genetics

Optometry (O.D.)

- 1 year of Human Anatomy & Phys. w/ Lab
- 1 quarter of Microbiology w/ Lab
- 1 quarter of Statistics
- 1 quarter of General Psychology

Pharmacy (PharmD)

- 1 quarter of Statistics
- 1 year of Human Anatomy & Phys. w/ Lab
- 1 quarter of Microbiology w/ Lab
- 1 quarter of General Psychology
- 1 quarter of Soc./Behavioral Science
- 1 quarter of Public Speaking

Physical Therapy (D.P.T.)

- 1 year of Human Anatomy & Phys. w/ Lab
- 1 quarter of Public Speaking
- 1 quarter of General Psychology
- 1 quarter of Statistics
- \*Organic Chemistry and Biochemistry are not required

Podiatric Medicine (D.P.M.)

- 1 quarter of Microbiology
- 1 year of Human Anatomy & Phys. w/ Lab
- 1 quarter of Immunology
- 1 quarter of Genetics

Speech Language Pathology (S.L.P.)

- LING 020 - Intro to Language and Linguistics
- LING111 - Phonetics (\*LING020 is pre-requisite)
- LING162 - Language and Brain
- LING163 - Anatomy & Physiology of Speech and Swallow
- LING165- A Linguist's Guide to Speech-Language Pathology

Veterinary Medicine (D.V.M.)

- 1 year of Anatomy & Phys. w/ Lab
- 1 quarter of Microbiology w/ Lab
- 2 quarters of Soc. / Behavioral Science
- 1 quarter of Genetics

Nursing and Physician Assistant programs do not follow the same core requirements as listed above.

Nursing

- 1 year of math: college algebra & statistics
- 1 year of English
- 1 year of Chemistry w/ Lab
- 1 year of Human Anatomy & Phys. w/ Lab
- 1 quarter of Microbiology w/ Lab
- 1 quarter of Psychology
- 1 quarter of Nutrition
- 1 quarter of Public Speaking

Physician's Assistant (P.A.)

- 1 year of math: college algebra & statistics
- 1 year of English
- 1 year of General Chemistry w/ Lab
- 1 year of General Biology w/lab
- 1 year of Human Anatomy & Phys. w/ Lab
- 1 quarter of Microbiology w/ Lab
- 1 quarter of Psychology
- \*Organic Chemistry and/or Biochemistry may be required

It is important to identify both major and pre-health requirements as these do not always overlap. Also, note that many of the courses listed below have a pre-requisite requirement. Additional information can be found at [PPAC.ucr.edu](http://PPAC.ucr.edu) under the "Preparing to Apply" tab.

#### MATH

MATH 007A/009A - First Year Calculus  
MATH 007B/009B - First Year Calculus  
STAT 010/40 or PSYC011 - Intro. to Statistics

*\*For students whose AP credit replaced classes above*

MATH 009C - First Year Calculus  
MATH 010A - Calculus: Several Variables  
MATH 010B - Calculus: Several Variables  
MATH 046 - Intro to Ordinary Differential Equations

#### ENGLISH

ENGL 001A - English Composition  
ENGL 001B - English Composition  
ENGL 001C - English Composition or  
HNPG 002W- Principles of Civic Engagement  
WRIT 010/010S - Academic Writing  
WRIT 020/020S - Persuasive Writing  
WRIT 030/030S- Writing Across the Curriculum

*\*For students whose AP credit replaced classes above*

ENGL 020A - Intro. to British Literature  
ENGL 020B - Intro. to American Literature

ENGL 020C - Intro. to Critical Perspective  
CRWT 056 - Intro. to Creative Writing  
CRWT 176 - Topics in Craft of Writing

#### GENERAL CHEMISTRY

CHEM 001A /001B/001C – General Chemistry  
CHEM 011A/011B/011C – General Chem. Lab

#### BIOCHEMISTRY

BCH 100 - Elementary Biochemistry  
BCH 110 A, B, C - General Biochemistry

#### BIOLOGY

BIOL 005A - General Biology  
BIOL 051A/20 - General Biology Lab  
BIOL 005B/BIOL 005C with lab - General Biology

#### UPPER DIVISION BIOLOGY

BIOL 102 - Introductory Genetics  
BIOL 107A - Molecular Biology  
BIOL 110 - Biology of Human Problems  
BIOL 121 - Microbiology  
BIOL 121L - Microbiology Lab  
BIOL 128 - Immunology

#### ORGANIC CHEMISTRY

CHEM 008A/008B/008C with lab -  
Organic Chemistry

#### PHYSICS

PHYS 002A/002B/002C - General Physics  
PHYS 021A/021B/021C - General Physics Lab

PHYS 040A/040B/040C - General Physics  
PHYS 040LA/040LB/040LC - General Physics Lab

*\*The Physics 002 and Physics 040 series are accepted.*

#### PSYCHOLOGY

PSYC 001 - Intro to Psych. (Experimental)  
PSYC 002 - Intro to Psych. (Social Sciences)  
PSYC 160 - Lifespan Development  
PSYC 178 - Health Psychology

#### Linguistics

LING162 -Language and Brain  
LING163 -Anatomy & Physiology of Speech  
and Swallow

#### SOCIOLOGY

SOC 001 - Intro. to Sociology  
SOC/PBPL 127 - Social Determinants of Health  
SOC/PBPL 167 - Medical Sociology

#### ECONOMICS

ECON 002 - Intro. to Macroeconomics  
ECON 003 - Intro. to Microeconomics

#### PHILOSOPHY

PHIL 002 - Contemporary Moral Issues

#### PUBLIC POLICY

PBPL 004 - Ethics, Professionalism, & Public Pol.  
PBPL 161/006 - Intro to Public Health  
PBPL 162- Health in All Policies

#### PUBLIC SPEAKING

TFDP 50S - Public Speaking

#### SOCIETY, ENVIRONMENT, AND HEALTH

SEHE001 - Environment, Society, Culture  
SEHE002 - Health Equity and Health Justice  
SEHE106S - Movements & Advocacy in  
Environmental Justice & Health Equity  
SEHE161 - Reproductive Justice

#### ANATOMY / PHYSIOLOGY

BIOL 171A Human Anatomy  
BIOL 171B Human Physiology  
BIOL 171C Human Physiology

## Have you met with a PPAC advisor?

Pre-health advisors in the Pre-Professional Advising Center (PPAC) are highly skilled and resourced to discuss and advise on issues regarding pre-health admissions criteria such as course requirements, curricular involvement, personal statement review, professional test preparation, and much more. To meet with a PPAC Advisor, please contact PPAC to set up an appointment.

