



W.M. Keck Science Department

Claremont McKenna College • Pitzer College • Scripps College

Other Health Professions Prerequisites

There is not a standard list of pre-requisite courses for the following Health Professional Schools. However, the courses listed for each are most often found to be required. For more specific advising, students should meet with the Pre-Health Advisor and consult individual school websites to learn about specific requirements at each school:

Dental (DDS/DMD):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Organic Chemistry with lab (2 semesters): Chem116L, Chem117L
- Biology with lab (2 semesters): Bio43L, Bio44L
- Physics (lab requirements depends on program) (1-2 semesters, depends on program): Physics 30L, Physics 31L
- Biochemistry (1 semester): Bio177
- English (2 semesters)
- Course in Humanities, Social & Behavioral Science (1 semester) (ex: Psychology or Sociology)

Recommended Prerequisite Courses:

- Calculus (1 semester): Calc 30 or higher
- Microbiology with lab (1 semester): Bio168L
- Anatomy with lab (1 semester)
- Physiology with lab (1 semester)
- Statistics (1 semester)
- Foreign Language (knowledge and cultural competency in at least 1 foreign language)
- Applied Art Course (1 semester)
- Basic Business Course
- Speech/Public Speaking (1 semester)

Nursing (ABSN/MSN-E):

Common Prerequisite Courses:

- General Chemistry with lab (1 semester): Chem14L
- Biology with lab (2 semesters): Bio43L, Bio44L
- Microbiology with lab (1 semester): Bio168L
- Human Anatomy with lab (1 semester)
- Physiology with lab (1 semester)
- Nutrition (1 semester): Bio183
- Statistics (1 semester)
- English (2 semesters)
- Course in Humanities, Social & Behavioral Science (1 semester) (ex: Psychology or Sociology)

Recommended Prerequisite Courses:

- Lifespan/Human Development Psychology
- Oral Communication

Optometry (OD):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Organic Chemistry with lab (2 semesters): Chem116L, Chem117L
- Biochemistry (1 semester): Bio177
- Biology with lab (2 semesters): Bio43L, Bio44L
- Human Physiology with lab (1 semester)
- Physics with lab (2 semesters): Physics 30L, Physics 31L

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- Microbiology with lab (1 semester): Bio168L
- Calculus (1 semester): Calc 30 or higher
- Statistics (1 semester)
- English (2 semesters)
- Psychology (1 semester)

Recommended Prerequisite Courses:

- Immunology (1 semester)
- Human Anatomy (1 semester)

Physician Assistant (PA):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Organic Chemistry with lab (2 semesters): Chem116L, Chem117L
- Biology with lab (2 semesters): Bio43L, Bio44L
- Human Physiology with lab (1 semester)
- Human Anatomy with lab (1 semester)
- Microbiology with lab (1 semester): Bio168L
- Biochemistry (1 semester): Bio177
- Math (1-2 semesters) (requirements vary between programs. Most common: Calculus, Statistics & Intermediate Algebra)
- English (2 semesters)

Recommended Prerequisite Courses:

- Genetics (1 semester): Bio143
- Humanities (ex: Psychology, Sociology, Philosophy, etc.) (1 semester)
- Physics (lab requirements depends on program) (1-2 semesters, depends on program): Physics 30L, Physics 31L
- Foreign Language

Pharmacy (PharmD):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Organic Chemistry with lab (2 semesters): Chem116L, Chem117L
- Biochemistry (1 semester): Bio177
- Biology with lab (2 semesters): Bio43L, Bio44L
- Physics (lab requirements depends on program) (1-2 semesters, depends on program): Physics 30L, Physics 31L
- Human Physiology (1 semester)
- Microbiology with lab (1-2 semesters, depends on program): Bio168L
- Calculus (1 semester): Calc 30 or higher
- Statistics (1 semester)
- English (2 semesters)
- Speech/Public Speaking (1 semester)

Recommended Prerequisite Courses:

- Psychology (1 semester)
- Economics (Micro or Macro) (1 semester)



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Physical Therapy (DPT):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Biology with lab (2 semesters): Bio43L, Bio44L
- Physics with lab (2 semesters): Physics 30L, Physics 31L
- Physiology (1 semester):
- Human Anatomy with lab (1 semester)
- Other Physiology (Kinesiology, Pathophysiology or Exercise Physiology are common courses taken)
- Psychology (1 semester)
- Statistics (1 semester)
- Course in Humanities, Social & Behavioral Science (1 semester) (ex: Psychology or Sociology)
- English (2 semesters)

Recommended Prerequisite Courses:

- Foreign Language (knowledge and cultural competency in at least 1 foreign language)

Podiatrist (DPM):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Organic Chemistry with lab (2 semesters): Chem116L, Chem117L
- Biology with lab (2 semesters): Bio43L, Bio44L
- Physics with lab (2 semesters): Physics 30L, Physics 31L
- English (2 semesters)

Recommended Prerequisite Courses:

- Biochemistry (1 semester): Bio177 – MCAT prep
- Genetics (1 semester): Bio143 – MCAT prep
- Physiology (1 semester)
- Anatomy (1 semester)
- Psychology (1 semester) – MCAT prep
- Sociology (1 semester) – MCAT prep

Veterinary (DVM):

Common Prerequisite Courses:

- General Chemistry with lab (2 semesters): Chem14L, Chem15L
- Organic Chemistry with lab (2 semesters): Chem116L, Chem117L
- Biology/Zoology with lab (2 semesters): Bio43L, Bio44L
- Physiology (1 semester)
- Biochemistry (1 semester): Bio177
- Microbiology with lab (1 semester): Bio168L
- Physics (1-2 semesters, depends on program): Physics 30L, Physics 31L
- English (1-2 semesters)
- Course in Humanities, Social & Behavioral Science (1 semester) (ex: Psychology or Sociology)
- Mathematics/Statistics (1-2 semesters)

Recommended Prerequisite Courses:

- Animal Science (1 semester)
- Genetics (1 semester): Bio143
- Nutrition (1 semester): Bio183
- Speech/Public Speaking (1 semester)