

Common Health Professional Program Prerequisites

Pre-Professional Advising Center 120 University Pavilion (513) 556-2166 PreProAdv@uc.edu uc.edu/preproadvising

Recommended for all Pre-Health Students: [Pre-Health courses PD1000 & 2045](#)

Common Prerequisites for Medical School and the MCAT students-residents.aamc.org

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
 - **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
 - **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
 - **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
 - **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
 - **Math:** MATH 1044 or 1061 and STAT 1034 or 1031 or MEDS 3023C
 - **English:** ENGL 1001 and 2089
 - **Psychology:** PSYC 1001
 - **Sociology:** SOC 1001
 - * **Genetics:** BIOL 2083(F,S) or MEDS 3021(F)
 - * **Cell Biology:** BIOL 2085C(S) or MEDS 3018
 - * **Microbiology:** BIOL 4011/4011L(F) or MEDS 3024C(F)
 - + **Anatomy and Physiology:** BIOL 2001C & 2002C or BIOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- *Only some schools require, + Recommended but not required

The mean GPAs of MD matriculants are 3.70/3.64 (overall/science) and the mean GPAs of DO matriculants are 3.52/3.45 (overall/science). The mean MCATs are 510 and 503 for MD and DO respectively.

Common Prerequisites for Pharmacy School pharmcas.org

- **Biology I with lab:** BIOL 1081 and 1081L
- **Microbiology:** BIOL 2031C(S,U) or BIOL 4011 and 4011L(F) or MEDS 3024C(F)
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
- **Physics I:** PHYS 1051 or PHYS 2001
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BIOL 2001C and 2002C or BIOL 3020C(F,S) and 3021(F)
- **Math:** MATH 1044 and 1045 or 1061, and STAT 1034 or 1031 or MEDS 3023C
- **General Education Electives:** 15 semester hours including 6 hours in Arts and Humanities (HU & LT, HP, FA codes) and 6 hours in Social Sciences (SS) with one course from each also carrying a Diversity & Culture (DC) or Social & Ethical (SE) code. Additional 3 credit hours are free electives any discipline.

The mean GPA of Pharmacy matriculants is 3.57/3.23 (overall/science) and the mean PCAT is 70.

Disclaimer: There are variations in prerequisite requirements within specific health professions depending on the particular program. We strongly encourage checking the admissions prerequisite webpage of the schools highest on your interest list for up-to-date requirements.

Common Prerequisites for Physician Assistant School: paeaonline.org/our-programs

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BIOL 2001C & 2002C; or BOL 3020C(F,S), 3021(F), & 5193C(S)
- **Medical Terminology:** HCMT 1001 or HLSC 2012 or MA 1010 or CLAS 2031
- **Microbiology:** BIOL 4011/4011L(F) or MEDS 3024C(F) or BIOL 2031C⁺
- **Psychology:** PSYC 1001
- * **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- * **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
- * **Physics I with lab:** PHYS 1051/1051L or PHYS 2001/2001L
- * **Math:** MATH 1044 or 1061 and STAT 1034 or 1031 or MEDS 3023C
- * **Genetics:** BIOL 2083(F,S)
- * **Developmental or Abnormal Psychology:** PSYC 2040 or 2051

*Only some schools require, * Only some schools will accept

The mean GPA of PA matriculants is 3.53/3.48 (overall/science) and GRE scores > 300 and 4 in writing are competitive.

Common Prerequisites for Dental School: adea.org/GoDental

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
- **Physics I and II* with labs:** PHYS 1051/1051L and 1052/1052L* or PHYS 2001/2001L and 2002/2002L*
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BIOL 2001C & 2002C or BIOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- **Microbiology:** BIOL 4011/4011L(F) or MEDS 3024C(F) or BIOL 2031C

*Only some schools require PHYS II and lab

The mean GPA of Dental matriculants is 3.55/3.47 (overall/science) and the mean DAT is 20.

Common Prerequisites for Veterinary School aavmc.org

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
- **Microbiology:** BIOL 4011/4011L(F) or MEDS 3024C(F) or BIOL 2031C
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BIOL 2001C & 2002C or BIOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- * **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- * **Math:** MATH 1044 or 1061 and STAT 1034 or 1031 or MEDS 3023C
- * **Public Speaking:** COMM 1071

*Only some schools require

The mean GPA of Vet matriculants is 3.56 and a GRE score of > 309 is competitive.

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Common Prerequisites for Occupational Therapy School aota.org

Requirements vary greatly by school but may include some of the following (based on UC MOT requirements):

- **Anatomy and Physiology:** BIOL 2001C and 2002C, HLSC 4015C, or BIOL 3020C(F,S) and 3021(F)
- **Statistics:** STAT 1031 or 1034 or MEDS 3023C
- **Medical Terminology:** HCMT 1001 or HLSC 2012 or MA 1010 or CLAS 2031
- **English:** ENGL 1001 and 2089
- ***Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- ***General Chemistry I and II with labs:** CHEM 1030/1030L and 1031/1031L
- *** Psychology:** 3-4 semesters from PSYC 1001, 2040, 2051, 2001C, 2030
- ***Sociology or Anthropology:** SOC 1001 or ANTH 1001
- ***Neuroanatomy or Biopsychology:** PSYC 2070 or PSYC 3024 or HLSC 4020
- ***Musculoskeletal Anatomy or Kinesiology:** HLSC 2021C, HLSC 2022C (online), HLSC 3023C
- ***Pharmacology:** HLSC 3014
- ***Biomechanics:** HLSC 3020
- ***Healthcare Ethics:** HLSC 2011 or HLTH 2011
- ***Physics:** PHYS 1005C
- **Additional requirements may apply, see specific schools for details**

*See specific schools for details on which are required, requirements vary by school.

The mean GPA of OT matriculants is 3.20 overall.

Common Prerequisites for Physical Therapy School [APTA.org Program Requirements](http://APTA.org)

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **Anatomy and Physiology:** BIOL 2001C and 2002C or BIOL 3020C(F,S) and 3021(F)
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- **Psychology:** PSYC 1001
- **Statistics:** STAT 1031 or 1034, or MEDS 3023C, others may apply
- ***English:** ENGL 1001 and 2089
- ***Exercise Physiology:** HLSC 3032C or HLSC 3031(F)
- ***Medical Terminology:** HCMT 1001 or HLSC 2012 or MA 1010 or CLAS 2031
- *** Additional PSYC or SOC:** 1-3 semesters from PSYC 2051, 2040, 3022, SOC 1001, Research Methods, topics vary
- **Additional requirements may apply, see specific schools for details**

*See specific schools for details on which are required

The mean GPA of PT matriculants is 3.59/3.43 (overall/science) and GRE scores of > 300 are competitive.

Common Prerequisites for Chiropractic School chirocolleges.org/find-a-school

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- **English:** ENGL 1001 and 2089
- **Psychology:** PSYC 1001
- **Social Science or Humanities courses:** 15 hours

A GPA of 3.0 or higher is competitive for most schools. Some schools may require the GRE or SAT/ACT scores.

Common Prerequisites for Optometry School optomcas.org/

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
- **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- **Math:** MATH 1044 or 1061 and STAT 1034 or 1031 or MEDS 3023C
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BIOL 2001C & 2002C or BIOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- **Microbiology:** BIOL 4011/4011L(F) or MEDS 3024C(F)
- **Psychology:** PSYC 1001

The mean GPA of Optometry matriculants is 3.43 overall and OAT scores of > 330 are competitive.

Common Prerequisites for Podiatric Medical School aacpm.org

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- **English:** ENGL 1001 and 2089
- * **Anatomy and Physiology:** BIOL 2001C & 2002C or BIOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- * **Biochemistry:** CHEM 3040 or MEDS 3020(F) or MEDS 4027(F) and 4028(S)
- * **Histology:** MEDS 3027C(S)
- * **Medical Terminology:** HCMT 1001 or HLSC 2012 or MA 1010 or CLAS 2031
- * **Microbiology:** BIOL 4011/4011L(F) or MEDS 3024C(F)
- * **Neurobiology:** BIOL 4040(F)

**Recommended by Kent State University College of Podiatric Medicine*

The mean GPA of Podiatry matriculants is 3.50/3.20 (overall/science) and the mean MCAT score is 494.

Common Prerequisites for Naturopathic Medical School aanmc.org

- **Biology I and II with labs:** BIOL 1081/1081L and 1082/1082L
- **General Chemistry I and II with labs:** CHEM 1040/1040L and 1041/1041L
- **Organic Chemistry I and II with labs:** CHEM 2040/2040L and 2041/2041L
- **Physics I and II with labs:** PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- **Psychology:** PSYC 1001

A GPA of 3.0 or higher is competitive for most Naturopathic schools.

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