Common Health Professional Program Prerequisites

**Recommended for all Pre-Health Students:** Pre-Health professional development courses PD1000 & 2001

Common Prerequisites for Medical School and the MCAT [students-residents.aamc.org](http://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
- **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)
- **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](http://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
- **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.*

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Common Prerequisites for Physician Assistant School: paeaonline.org, aapa.org

- **Biology I and II with labs:** BOL 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:** BOL 2001C & 2002C (preferred by most PA schools) or BOL 3020C(F,S) & 3021(F)
- **Medical Terminology:** HCMT 1001 or HLSC 2012 or MA 1010 or CLAS 2031
- **Microbiology:** BOL 4011/4011L(F) or MEDS 3024C(F) or BOL 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
- * **Genetics:** BOL 2083(F,S)
- * **Developmental or Abnormal Psychology:** PSYC 2040 or 2051

*Only some schools require *Only some schools accept without lab

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:** BOL 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 with lab:** PHYS 1051/1051L or PHYS 2001/2001L
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BOL 2001C & 2002C or BOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- **Microbiology:** BOL 4011/4011L(F) or MEDS 3024C(F) or BOL 2031C

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:** BOL 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 with lab:** PHYS 1051/1051L or PHYS 2001/2001L
- **English:** ENGL 1001 and 2089
- **Anatomy and Physiology:** BOL 2001C & 2002C or BOL 3020C(F,S) & 3021(F) or MEDS 4052C(F) & 3026(F,S)
- **Microbiology:** BOL 4011/4011L(F) or MEDS 3024C(F) or BOL 2031C
- **Math:** MATH 1044 or 1061 and STAT 1034 or 1031
- **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 Optometry School [optomcas.org](http://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
- **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 Occupational Therapy School [aota.org](http://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 or BIOL 3020C(F,S) and 3021(F)
- **Statistics**: STAT 1031 or 1034
- **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 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**: 3-4 semesters from PSYC 1001, 2051, 2005, 2007, 2001C, 2030
- **Sociology or Anthropology**: SOC 1001 or ANTH 1001
- **Neuroanatomy or Biopsychology**: PSYC 2070 or PSYC 3024 or HLSC 4020
- **Pharmacology**: HLSC 3014
- **Biomechanics**: HLSC 3020
- **Healthcare Ethics**: HLSC 2011 or HLTH 2011
- **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](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, 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 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 Chiropractic School [chirocolleges.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
- **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 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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Common Health Professional Program Prerequisites - updated June 2020 - accessible