Common Health Professional Program Prerequisites

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 or MEDS 4027 and 4028
- **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
- **Genetics**: BIOL 2083 or MEDS 3021*
- **Psychology**: PSYC 1001
- **Sociology**: SOC 1001
- **Cell Biology**: BIOL 2085C*
- **Microbiology**: BIOL 4011/4011L or MEDS 3024C*
- **Anatomy and Physiology**: BIOL 2001C and 2002C or BIOL 3020C and 3021 or MEDS 4057C and 3026**

*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 for Health**: BIOL 2031C
- **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 or MEDS 4027 and 4028
- **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 and 2002C or BIOL 3020C and 3021
- **Math**: MATH 1044 and 1045 or 1061 and STAT 1034
- **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 [aapa.org](http://aapa.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 or MEDS 4027 and 4028*
- **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 and 2002C or BIOL 3020C and 3021
- **Genetics**: BIOL 2083*
- **Medical Terminology**: HCMT 1001 or HLSC 2012 or MA 1010 or ATH 1073 or CLAS 2031
- **Microbiology**: BIOL 4011/4011L or MEDS 3024C
- **Psychology**: PSYC 1001
- **Developmental or Abnormal Psychology**: PSYC 2040 or 2051*

*Only some schools require

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

Common Prerequisites for Dental School [adea.org](http://adea.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 or MEDS 4027 and 4028
- **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 and 2002C or BIOL 3020C and 3021 or MEDS 4057C and 3026
- **Microbiology**: BIOL 4011/4011L or MEDS 3024C

*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](http://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 or MEDS 4027 and 4028
- **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 and 2002C or BIOL 3020C and 3021 or or MEDS 4057C and 3026
- **Microbiology**: BIOL 4011/4011L or MEDS 3024C
- **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 or MEDS 4027 and 4028
- **Physics I and II with labs**: PHYS 1051/1051L and 1052/1052L or PHYS 2001/2001L and 2002/2002L
- **Calculus**: MATH 1061
- **English**: ENGL 1001 and 2089
- **Anatomy and Physiology**: BIOL 2001C and 2002C or BIOL 3020C and 3021 or MEDS 4057C and 3026
- **Microbiology**: BIOL 4011/4011L or MEDS 3024C
- **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)

- **Biology I and II with labs**: BIOL 1081/1081L and 1082/1082L
- **Anatomy and Physiology**: BIOL 2001C and 2002C or BIOL 3020C and 3021
- **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 semesters choose from PSYC 1001, 2051, 2005, 2007, 2001C**
- **Sociology or Anthropology**: SOC 1001 or ANTH 1001**
- **Statistics**: STAT 1031 or 1034
- **Additional requirements may apply, see specific schools for details**

**See specific schools for details on which are required

*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 and 3021
- **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**: 1-3 semesters from PSYC 1001, 2051, 2040, 3022, Research Methods, topics vary**
- **Sociology**: SOC 1001
- **Statistics**: STAT 1031 or 1034, others may apply
- **Exercise Physiology**: HLSC 3032C or HLSC 3031
- **Medical Terminology**: HCMT 1001 or HLSC 2012 or MA 1010 or ATH 1073 or CLAS 2031
- **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 3.57/3.42 (overall/science) and GRE scores of > 300 are competitive.*

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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 and 2002C or BIOL 3020C and 3021 or MEDS 4057C and 3026*
- **Biochemistry**: CHEM 3040 or MEDS 3020 or MEDS 4027 and 4028*
- **Histology**: MEDS 3027C*
- **Medical Terminology**: HCMT 1001 or HLSC 2012 or MA 1010 or ATH 1073 or CLAS 2031*
- **Microbiology**: BIOL 4011/4011L or MEDS 3024C*
- **Neurobiology**: BIOL 4040*

*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 above 3.0 is competitive for most schools.*

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 May 2017 - accessible