# PRE-HEALTHCARE ADVISING

Do you want to be a medical doctor, physician assistant, physical therapist, athletic trainer, occupational therapist, pharmacist, dentist or vet? If so, you’ll take a lot of science courses to fulfill prerequisite for the programs. Below are the "typical" courses you will take. Always be sure to check the admission requirements of your preferred programs. Work with your advisor(s) and the health professions specialist in URGO to begin planning early.

## MEDICINE
- BIO 151 Introductory Biology
- BIO 152 Evolution, Ecology & Diversity
- BIO 253 Intro to Cell Biology
- BIO 255 Genetics
- BIO 369 Biochemistry
- CHM 115 General Chemistry I
- CHM 116 General Chemistry II
- CHM 251 Organic Chemistry I
- CHM 252 Organic Chemistry II
- MAT 163 or 164 Introductory Statistics
- PHY 107 College Physics I or PHY 121 General Physics I
- PHY 108 College Physics II or PHY122 General Physics II
- PSY 105 Principles of Psychology
- SOC 121 Introduction to Sociology

Many programs are moving away from the calculus requirement.
Some programs may require a specific number of upper-division science electives
Many programs may require an upper division writing-intensive course.

## PHYSICIAN ASSISTANT
- BIO 151 Introductory Biology
- BIO 152 Evolution, Ecology & Diversity
- BIO 253 Intro to Cell Biology
- BIO 369 Biochemistry
- BIO 473 Animal Physiology
- BIO 476 Microbiology
- Medical Terminology (not offered at Augsburg)
- CHM 115 General Chemistry I
- CHM 116 General Chemistry II
- CHM 251 Organic Chemistry I
- CHM 252 Organic Chemistry II
- MAT 163 or 164 Introductory Statistics
- PSY 105 Principles of Psychology
- PSY 203 Developmental Psychology

There is increasing variation in the psychology requirements among programs.
Some programs may require Human Anatomy & Physiology full year rather than Animal Physiology. You can complete this requirement though the ACTC program.

## PHYSICAL THERAPY
- BIO 151 Introductory Biology
- A second rigorous biology course
- Human Physiology (not offered at Augsburg)
- Human Anatomy (not offered at Augsburg)
- CHM 115 General Chemistry I
- CHM 116 General Chemistry II
- Medical Terminology (not offered at Augsburg)
- MAT 114 Precalculus
- MAT 145 Calculus
- MAT 164 Intro Stats for STEM or PSY 215 Res. & Stats
- PHY 107 College Physics I or PHY 121 General Physics I
- PHY 108 College Physics II or PHY122 General Physics II
- PSY 105 Principles of Psychology
- PSY 262 Abnormal Psychology

Some programs may accept general anatomy and physiology, always check admissions requirements.
A second rigorous biology course could be cell biology or microbiology.

## ATHLETIC TRAINING
- Human Physiology (not offered at Augsburg)
- Human Anatomy (not offered at Augsburg)
- HPE 104 Components of Fitness Training
- HPE 110 Personal and Community Health
- HPE 114 Health and Safety Education
- HPE 275 Prevention and Care of Athletic Injuries
- HPE 300 Nutrition
- MAT 163 or 164 Introductory Statistics
- HPE 350 Kinesiology
- HPE 351 Physiology of Exercise
- HPE 357 Measurement in Health, Physical Educ & Ex Sci
- CHM 115 General Chemistry
- PSY 105 Principles of Psychology
- PHY 107 College Physics I (recommended)
- Medical Terminology (recommended)
OCCUPATIONAL THERAPY

- Human Physiology (not offered at Augsburg)
- Human Anatomy (not offered at Augsburg)
- MAT 163 or MAT 164 Intro Stats or PSY 215 Res. & Stats
- PSY 105 Principles of Psychology
- PSY 203 Developmental Psychology
- PSY 262 Abnormal Psychology
- SOC 121 Introduction to Sociology
- Medical Terminology (not offered at Augsburg)

These are the prerequisites for the OT program at the University of Minnesota. Admission policies and prerequisites vary significantly by program.

PHARMACY

- BIO 151 Introductory Biology
- BIO 152 Evolution, Ecology & Diversity
- BIO 253 Intro to Cell Biology or Advanced Biology
- BIO 353 Comparative Anatomy
- BIO 473 Animal Physiology
- BIO 476 Microbiology
- COM 111 or 115 Public Speaking
- ECO 113 Microeconomics
- CHM 115 General Chemistry I
- CHM 116 General Chemistry II
- CHM 251 Organic Chemistry I
- CHM 252 Organic Chemistry II
- MAT 114 Precalculus
- MAT 145 Calculus
- MAT 163 or 164 Introductory Statistics
- PHY 107 College Physics I & PHY 108 College Physics or PHY 121 General Physics I

Intro to Cell Biology may be able to count towards the advanced biology requirement, depending on if the requirement needs to be a 300 or 400-level course.

DENTISTRY

- BIO 151 Introductory Biology
- BIO 152 Evolution, Ecology & Diversity
- BIO 253 Intro to Cell Biology
- BIO 369 Biochemistry
- CHM 115 General Chemistry I
- CHM 116 General Chemistry II
- CHM 251 Organic Chemistry I
- CHM 252 Organic Chemistry II
- PSY 105 Principles of Psychology
- PHY 107 College Physics I or PHY 121 General Physics I
- PHY 108 College Physics II or PHY 122 General Physics II
- College Algebra or MAT 114 Precalculus or MAT 145 Calculus or MAT 163 or MAT 164 Intro to Stats

Some programs might require statistics and a second math course.

VETERINARY MEDICINE

- BIO 151 Introductory Biology
- BIO 152 Evolution, Ecology & Diversity
- BIO 253 Intro to Cell Biology
- BIO 369 Biochemistry
- BIO 476 Microbiology
- CHM 115 General Chemistry I
- CHM 116 General Chemistry II
- CHM 251 Organic Chemistry I
- CHM 252 Organic Chemistry II
- College Algebra or MAT 114 Precalc or MAT 145 Calc
- PHY 107 College Physics I or PHY 121 General Physics I
- PHY 108 College Physics II or PHY 122 General Physics II
- COM 111 or 115 Public Speaking, or literature or advanced writing

Some programs might require statistics instead of algebra, precalculus or calculus.

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