

Many students interested in a professional health career, such as medicine, aren't sure what undergraduate degree or courses are best for them. This brochure is designed to answer many of these questions and guide students towards additional resources. Southern has a pre-medical committee and students may meet with individual members for advising. **The most important thing** is for the student to **research** the professional programs they are interested in since many have unique requirements.

The pre-health areas of study are advising categories used to identify students advancing towards a health-related career goal. Students cannot declare a major or earn a degree in a pre-health area. A pre-health course work plan consists of prerequisite courses required for admission into professional health schools. This course work may be additional to course work required for a Southern Connecticut State University degree.

Upon successful completion of pre-health course work, earning a bachelor's degree, and after participating in a number of years of relevant health- and community-related activities, pre-health students apply to professional health schools in order to receive clinical training (e.g. at a medical school, dental, veterinary school etc.). All professional programs will have pre-requisite courses. These vary by degree and school.



FOR MORE INFORMATION

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Pursuing a Pre-Health Professional Program of Study



PRE-MEDICAL**REQUIREMENTS**

- Average GPA (3.6)
- Average MCAT score (510)
- Volunteer and Medical Experience

MOST COMMON PREREQUISITES

- BIO 102/103 • BIO 220 • BIO 401
- CHE 120/121 • CHE 260/261 • CHE 450
- PHY 200/201 -OR- PHY 230/231
- PSY 100 • SOC 100
- One year of math: up to Statistics (MAT 107 or MAT 221) and/or Calculus (MAT 150)

**PRE-DENTAL****REQUIREMENTS**

- Average GPA (3.5)
- Average DAT Score (20)
- Volunteer/Leadership Experience

MOST COMMON PREREQUISITES

- BIO 102/103 • CHE 120/121 • CHE 260/261
- CHE 450 • PHY 200/201 -OR- PHY 230/231
- One year of upper level biology

PRE-VETERINARY MEDICAL SCIENCES**REQUIREMENTS**

- Average GPA (3.5)
- Animal Contact Hours (1,000+)
- Average GRE (310)
- Volunteer/Leadership Experience

MOST COMMON PREREQUISITES

- BIO 102/103 • BIO 220 • BIO 233
- CHE 120/121 • CHE 260/261 • CHE 450
- PHY 200/201 -OR- PHY 230/231
- PSY 100 • One year of math: up to Statistics (MAT 107 or MAT 221) and/or Calculus (MAT 150)

**RESOURCES**

- Pre-Medical: Association of American Medical Colleges (<https://www.aamc.org/>)
- Pre-Dental: American Dental Association (<https://www.ada.org/>)
- Pre-Veterinary Medical Sciences: American Association of Veterinary Medical Colleges (<http://www.aavmc.org/>)
- Pre-Physician's Assistant: PA Focus (<http://pafocus.org/>) and American Association of Physician's Assistants (<https://www.aapa.org/>)
- Pre-Physical Therapy: American Physical Therapy Association (<http://www.apta.org/>)
- Pre-Occupational Therapy: American Occupational Therapy Association (<https://www.aota.org/>)

COMMON PROFESSIONAL PROGRAM PREREQUISITE COURSES

- One year of biology (BIO 102 & 103)
- One year of general chemistry (CHE 120 & 121)
- One year of organic chemistry (CHE 260 & 261)
- One year of physics (PHY 200 & 201 or PHY 230 & 231)
- One year of math: up to Statistics (MAT 107 or MAT 221) and/or Calculus (MAT 150)

Additionally these may be required:

- One year of anatomy and physiology (BIO 200 & 201 or BIO 231 & 301 or 401)
- Biochemistry (CHE 450) • Microbiology (BIO 233)
- Introductory psychology (PSY 100)
- Introductory sociology (SOC 100)



HEALTH PROGRAMS

When applying to a health professional program your undergraduate major does not matter but your GPA and test scores do. Students usually pick an undergraduate major they enjoy that allows them to include the pre-requisites as part of that program. Pre-requisites vary by school, always check the programs you plan to apply to while pursuing your undergraduate degree.

PRE-PHYSICIAN'S ASSISTANT (PA)**REQUIREMENTS**

- Minimum GPA (3.2)
- Average GRE (300; not all schools)
- Patient Contact Hours (1,000+)
- Volunteer/Leadership Experience

MOST COMMON PREREQUISITES

- BIO 102 • BIO 200/201 • BIO 233
- CHE 120/121 • CHE 260 • PSY100
- One year of math: up to Statistics (MAT 107 or MAT 221) and/or Calculus (MAT 150)

**PRE- PHYSICAL THERAPY (PT)****REQUIREMENTS**

- Average GPA (3.57)
- Average GRE Score (300)
- PT observation (0-100+ hours, depending on school)
- Volunteer/Leadership Experience

MOST COMMON PREREQUISITES

- BIO 102/103 • BIO 200/201 • CHE 120/121
- PHY 200/201 -OR- PHY 230/231 • PSY 100
- One year of math: up to Statistics (MAT 107 or MAT 221) and/or Calculus (MAT 150)
- Additional physiology/kinesiology (EXS 283 or 384)

PRE-OCCUPATIONAL THERAPY (OT)**REQUIREMENTS**

- Average GPA (3.5)
- Average GRE Score (300)
- OT observation (20-100+ hours depending on school)
- Leadership/Volunteer Experience (500-1000+ hours)

MOST COMMON PREREQUISITES

- BIO 102/103 • BIO 200/201 • CHE 120
- PHY 200 • PSY 100 • PSY 210 • PSY 321 • SOC 100
- One year of math: up to Statistics (MAT 107 or MAT 221)

**ADDITIONAL MEDICAL DEGREES AND RESOURCES**

- Pharmacy: American Association of Colleges of Pharmacy <https://www.aacp.org/>
- Podiatry: American Podiatric Medical Association <https://www.apma.org/>
- Optometry: American Optometric Association <https://www.aoa.org/>