

# PRE-ANESTHESIOLOGIST ASSISTANT

## General Prerequisite Coursework for Anesthesiologist Assistant Schools

BIOL 1710 General Biology I (3hrs)  
BIOL 1720 General Biology II (3hrs)  
BIOL 1760 General Biology Lab (2hrs)  
BIOL 2301+2311 Anatomy & Physiology I + lab (4hrs)  
BIOL 2302+2312 Anatomy & Physiology II + lab (4hrs)  
CHEM 1410+1430 General Chemistry I + lab (4hrs)  
CHEM 1420+1440 General Chemistry II + lab (4hrs)

CHEM 2370+3210 Organic Chemistry I + lab (4hrs)  
BIOC 3621 Principles of Biochemistry (3hrs)  
Physics I for Science Majors + lab (4hrs)  
Physics II for Science Majors + lab (4hrs)  
MATH 1680 Statistics (3hrs)  
MATH 1710 Calculus I (4hrs)  
ENGL 1310 College Writing I (3hrs)

**IMPORTANT:** Some schools do not require ALL that is listed above. This is only a general list that most schools require. Be sure to check websites for specific information.

A 'C' or better is required in all coursework  
A Bachelor's degree is required.

## Additional Requirements by School

**\*Program requirements may change without notice and vary with each school; you are still responsible for checking schools' websites for admissions information. Please see your academic advisor to further explore the requirements of the school in which you are interested.\***

### Case Western Reserve University

(Houston, Austin, Cleveland, Washington D.C.)

Requires one semester of Anatomy & Physiology

Statistics must be advanced, and preferably for the life sciences  
-MATH 3680, MATH 4650, PUBH 4020, PSYC 2317 will all be accepted

### Edward VIA COM & Bluefield University

(Alabama, South Carolina)

Statistics must be advanced and taught by MATH e.g. MATH 3680 Applied Statistics

### Emory University (Georgia)

BIOL 1500 Medical Terminology (2hrs)

BIOL 3800 Human Physiology (3hrs)

Statistics not required

Recommended Courses: Labs for Biochemistry, Physiology, Physics; Cell Biology, Molecular Biology, Organic Chemistry II

### Indiana University

CHEM 2380+3220 Organic Chemistry II + lab (4hrs)

Does not require Biochemistry or ENGL 1310 or Calculus

PUBH 4020 Biostatistics can satisfy statistics requirement

**\*minimum grade of B required for all prerequisites**

### Kansas City University

CHEM 2380+3220 Organic Chemistry II + lab (4hrs)

BIOC 3621+3622 can replace Organic Chemistry II  
MATH 1680 or PUBH 4020 will satisfy the statistics requirement

CHEM 1420+1440 not required

-please note that this is a prerequisite for CHEM 2370+3210 at UNT

### Medical College of Wisconsin

BIOL 1500 Medical Terminology (2hrs)

\*Advanced Statistics can substitute for Calculus I  
Does not require ENGL 1310

### Northeast Ohio Medical University

CHEM 2380+3220 Organic Chemistry II + lab (4hrs)

Recommended Courses: Genetics, Microbiology, advanced physiology, General Psychology, Introduction to Sociology

### Nova Southeast University (Florida & Colorado)

(4 Florida campuses, 1 Colorado)

Statistics and BIOL 1710+1720+1760 not required

Must take calculus-based physics

Recommended Courses: Microbiology, Cellular Biology, Molecular Biology, Organic Chemistry II, Biochemistry lab

### Ohio Dominican University

CHEM 1420+1440 not required

-please note that this is a prerequisite for CHEM 2370+3210 at UNT

Does not require Human Anatomy & Physiology

Requires 12 hours of humanities—e.g. English, Foreign Language, Theater, Art, Music, History, Theology, Philosophy, Religion

Recommended:

Microbiology, Cellular Biology, Molecular Biology, Human Anatomy & Physiology

### South University—(Georgia & Florida)

Does not require Human Anatomy & Physiology

Recommended Courses:

Human Anatomy & Physiology, Cellular Biology, Molecular Biology, Organic Chemistry II

### St. Louis University

CHEM 2380+3220 Organic Chemistry II + lab (4hrs)

-Biochemistry can replace Organic Chemistry II  
Statistics and ENGL 1310 is not required

### University of Colorado

CHEM 2380+3220 Organic Chemistry II + lab (4hrs)

Does not require BIOL 2302+2312

Calculus I is preferred, not required

### University of Mary Hardin Baylor

Does not require Statistics or ENGL 1310

Recommended:

Organic Chemistry II (4hrs)

Cellular Biology (4hrs)

Genetics (3hrs)

Immunology (3hrs)

Psychology (3hrs)

Advanced Chemistry (3hrs)

**\*admitting first class for spring 2027**

### University of Missouri—Kansas City

CHEM 2380+3220 Organic Chemistry II + lab (4hrs)

BIOL 1500 Medical Terminology (2hrs)

Physics must be sophomore-level

One semester of mathematics; Algebra,

Pre-Calculus, Calculus, or additional Statistics will satisfy this requirement

### University of New Mexico

Recommended:

Anatomy & Physiology II (4hrs)

Organic Chemistry II (4hrs)

Cellular Biology

Molecular Biology

English

Psychology

Public Speaking

### University of Texas Health—Houston

Does not require Statistics or Biochemistry

8 hrs of A&P can be satisfied with combination of 8

hrs of alternative science courses related to

human anatomy or physiology

**\*minimum grade of B required for all prerequisites**

# Mapping the Pre-Anesthesiologist Assistant Journey

*With the help of your pre-health advisor, use the prerequisite courses listed on the previous page to create an individual plan for your pre-pharmacy ambitions. NOTE: This is not an official plan, advising record, or degree audit. Please review the proposed course timeline with your degree plan advisor to ensure you have the correct courses to graduate.*

| FALL _____ | Hrs. | SPRING _____ | Hrs. |
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| SUMMER I | Hrs. | SUMMER II | Hrs. |
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| SUMMER I | Hrs. | SUMMER II | Hrs. |
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## Fall Timeline

MCAT or GRE Preparation (if MCAT or GRE is required)

## Spring Timeline

Prerequisites should be complete before applying  
Register for and take MCAT or GRE if required  
The CASAA application opens in March

| FALL _____ | Hrs. | SPRING _____ | Hrs. |
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*Please visit their websites for more information on deadlines and application requirements.*

## Quick Facts for Anesthesiologist Assistant:

- A Bachelor's degree is required
- Shadowing an AA is strongly recommended and many programs require at least 8 hours.
  - If you can't find an AA to shadow you can shadow an Anesthesiologist or Nurse Anesthetist. You can also contact the American Academy of Anesthesiologist Assistants in your state to ask for help finding shadowing
- Most programs require the MCAT or GRE
- Currently AA's may only practice in 22 states/jurisdictions. You should research the state you want to practice in to see if it is allowed

## **UNT Office of Health Professions**

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