Preparing for Anesthesiology Assistant (AA): Coursework

Below is a list of BYU coursework that, generally fulfills prerequisites for many AA programs. This is not a comprehensive list.

Plan to attend Pre-Health 101 and Pre-Health 201 workshops to determine how to navigate the prerequisite complexity.

CHEMISTRY

CHEM 105: General College Chemistry I (includes lab)	4.0 hrs
CHEM 106 & 107: General College Chemistry II & Lab (CHEM 111, 112, & 113, if required by your major)	3.0, 1.0 hrs
CHEM 351: Organic Chemistry I	3.0 hrs
CHEM 352 & 353: Organic Chemistry II & Lab (CHEM 354, if required by your major)	3.0, 2.0 hrs
CHEM 481: Biochemistry	3.0 hrs

BIOLOGY

Some programs want General Biology I & General Biology II (w/labs), BYU's equivalent is one of the following options:

General Biology I options:

CELL 120: Science of Biology (may need MMBIO 122)	3.0, 1.0 hrs
or	
MMBIO 121: General Biology: Health & Disease (may need MMBIO 122)	3.0, 1.0 hrs
or	
BIO 130: Biology (includes lab)	4.0 hrs

General Biology II options:

MMBIO 240 & 241: Molecular Biology & Lab (preferred)	3.0, 1.0 hrs
and/or	
MMBIO 221 & 222: General Microbiology & Lab (MMBIO 151, if required by your major)	3.0, 1.0 hrs
CELL 220: Human Anatomy (includes lab)	4.0 hrs
CELL 305: Human Physiology (may need CELL 363)	4.0, 1.0 hrs
or	
CELL 362: Advanced Physiology (may need CELL 363)	3.0, 1.0 hrs

PHYSICS

PHSCS 105 & 107: General Physics I & Lab	3.0, 1.0 hrs
PHSCS 106 & 108: General Physics II & Lab (PHSCS 121, 123, if required by your major)	3.0, 1.0 hrs

*For students taking PHSCS 121 and 123, we recommend also taking PHSCS 220.

MEDICAL TERMINOLOGY

LATIN 123: Premedical Latin and Greek	2.0 hrs
or	
NURS 102: Nursing and Medical Terminology (independent study)	2.0 hrs

MATH

MATH 112: Calculus I	4.0 hrs
and/or	
STAT 121: Introduction to Statistical Data Analysis	3.0 hrs

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COURSES REQUIRED BEFORE AA SCHOOL MATRICULATION

English: Typically at least two classes, review your individual school's requirements.

Humanities/Social Sciences: Requirements vary, review your individual school's requirements.

HELPFUL PRE-ANESTHESIOLOGY ASSISTANT CLASSES

STDEV 170: Intro to Health Professions — 1.0 hrs

Overview of health professions: medical, dental, and other specialties. Primary focus on guest lectures from various practitioners and clinicians.

STDEV 470: Health Professions Application — 2.0 hrs

Preparation for health professional school applications including medicine, dentistry, physical therapy, physician assistant, etc.; entire application process, including school identification and submission.

NURS 505: IPE for Health Professions — 1.0 hrs

The acquisition of knowledge of interprofessional education (IPE) and teamwork in the health professions. IPE will be explored from the perspectives of roles and responsibilities for collaborative practice.

SOC 329: Medical Sociology — 3.0 hrs

Social epidemiology, the sick role, sociocultural definitions of and responses to illness, and the organization of medical-health delivery systems.

BIO 370: Bioethics — 2.0 hrs

In-depth lecture and small group discussion of varied bioethical issues.

PHIL 212R: Introduction to Medical Ethics — 3.0 hrs

Exploration of key questions in medical ethics. Equips students to understand, evaluate, and effectively respond to arguments that seek to answer these questions as they formulate their own conclusions.