

# ANESTHESIA

DIVISION: Health Sciences

The Anesthesia Technology Associate in Science (AS) degree program at PCC prepares you to begin a career as an integral member of the anesthesia patient care team. Upon successful completion of the program's required coursework, you will be eligible to take the ASATT Certification Examination to become a Certified Anesthesia Technologist.

- Anesthesia Technology – Associate in Science Degree, Certificate of Achievement (<https://curriculum.pasadena.edu/academic-programs/anesthesia/anesthesia-technology-as-cert-achievement/>)

## Courses

### AT 110 PROFESSIONAL ASPECTS OF ANESTHESIA TECHNOLOGY

2 unit

Corequisite(s): AT 111

**Enrollment Limitation:** Enrollment in the Anesthesia Technology Program

Introduction to Anesthesiology's contribution to quality patient care and the relationship of the Anesthesia Technologist to other Healthcare professionals. Focus is on patient safety, universal precautions, and student safety in the Healthcare environment. Total of 36 hours lecture.

**Grade Mode:** Letter Grade

### AT 111 BASIC PRINCIPLES OF ANESTHESIA TECHNOLOGY

3 unit

Corequisite(s): AT 110

**Enrollment Limitation:** Enrollment in the Anesthesia Technology Program

Introduction to the theory and concepts of functioning in a surgical environment including a fundamental understanding of a variety of anesthesia equipment and basic case set-up utilizing anesthesia supplies and equipment. Total of 54 hours lecture.

**Grade Mode:** Letter Grade

### AT 112 ADVANCED PRINCIPLES OF ANESTHESIA TECHNOLOGY

3 unit

Prerequisite(s): AT 111

Corequisite(s): AT 113, 114, and 116

**Enrollment Limitation:** Enrollment in an Anesthesia Technology Program

Introduction to the theory and concepts of the use and function of anesthesia supplies and equipment used for various surgical procedures to include cases in: General, regional, and conscious sedation. Total of 54 hours lecture.

**Grade Mode:** Letter Grade

### AT 113 ANESTHESIA PHARMACOLOGY

3 unit

Prerequisite(s): AT 110 and 111

Corequisite(s): AT 112, 114, and 116

**Enrollment Limitation:** Enrollment in the Anesthesia Technology Program

Introduction to the theory and concepts in the proper use and safe practice of delivery and storage of anesthesia medications which includes: Stocking of the drug cart and assisting anesthesia care provider in the preparation of medications. Total of 54 hours lecture .

**Grade Mode:** Letter Grade

### AT 114 BASIC ANESTHESIA EQUIPMENT - THEORY AND LAB

3.5 unit

Prerequisite(s): AT 111

Corequisite(s): AT 112, 113, and 116

**Enrollment Limitation:** Enrollment in the Anesthesia Technology Program

Introduction to the theories and concepts in the adequate function of anesthesia equipment to include, maintaining equipment, repairing defects and trouble-shooting complications. Total of 54 hours lecture and 45 hours laboratory.

**Grade Mode:** Letter Grade

### AT 115 ADVANCED ANESTHESIA EQUIPMENT - THEORY AND LAB

3.5 unit

Prerequisite(s): AT 114

Corequisite(s): AT 117 and 118

**Enrollment Limitation:** Enrollment in the Anesthesia Technology Program

Introduction to the theory and concepts of advanced anesthesia equipment used in cardiac, neurological, and trauma anesthesia. Total of 54 hours lecture and 45 hours laboratory.

**Grade Mode:** Letter Grade

### AT 116 ANESTHESIA TECHNOLOGY CLINICAL EXPERIENCE I

5 unit

Prerequisite(s): AT 111

Corequisite(s): AT 112, 113, and 114

**Enrollment Limitation:** Enrollment in the Anesthesia Technology Program

Introduction to the theory and concepts of clinical practice in Obstetrical, Pediatric, and Outpatient anesthesia to include: General, regional and conscious sedation techniques. Total of 270 hours laboratory.

**Grade Mode:** Letter Grade

**AT 117 ANESTHESIA TECHNOLOGY CLINICAL EXPERIENCE II**

**5 unit**

**Prerequisite(s):** *AT 116*

**Corequisite(s):** *AT 115 and 118*

**Enrollment Limitation:** *Enrollment in the Anesthesia Technology Program*

Introduction to the theory and concepts of advanced clinical practice skills. Students operate independently as anesthesia technologists in all aspects of patient care including: preoperative, intraoperative, and postoperative surgical phases. Total of 270 hours laboratory.

**Grade Mode:** *Letter Grade*

**AT 118 ANESTHESIA TECHNOLOGY CASE STUDY AND PROGRAM REVIEW**

**3 unit**

**Prerequisite(s):** *AT 116*

**Corequisite(s):** *AT 115 and 117*

**Enrollment Limitation:** *Enrollment in an Anesthesia Technology Program*

Capstone course utilizing theory and concepts of the clinical practicum for demonstrating safe and effective anesthesia care for all surgical patients to include: preoperative, intraoperative, and postoperative management. Total of 54 hours lecture.

**Grade Mode:** *Letter Grade*