

# ANESTHESIA TECHNOLOGY – ASSOCIATE IN SCIENCE DEGREE, CERTIFICATE OF ACHIEVEMENT

Top Code: 1230.00

The Anesthesia Technology program prepares the student to be an integral member of the anesthesia patient care team. Emphasis is on fundamental and advanced clinical procedures to assist licensed anesthesia providers in the acquisition, preparation, and application of various types of equipment required for the delivery of anesthesia care.

Anesthesia technicians are integral members of the anesthesia patient care team. Their role is to assist licensed anesthesia providers in the acquisition, preparation and application of various equipment required for the delivery of anesthesia care. This may be performed in a variety of clinical settings such as: the operating room, interventional and diagnostic radiology, post anesthesia care unit, intensive care unit, cardiac cath lab, emergency room, endoscopy, dental suites, and ambulatory surgery centers.

Job responsibilities may include equipment maintenance and servicing such as cleaning, sterilizing, assembling, calibrating, testing, troubleshooting, and recording of inspections and maintenance. In addition, the anesthesia technician will assist licensed anesthesia providers with patient assessments, evaluations, transport, positioning, insertion of intravenous and other invasive lines, and airway management.

## Certification/Accreditation/Eligibility

A Certificate of Achievement and an Associate in Science degree is awarded upon completion of all required courses with a C or better. The two-year program includes one summer session.

Upon successful completion of the program, the student is eligible to take the American Society of Anesthesia Technicians/Technologists (ASATT) National Certification Examination to become certified as an Anesthesia Technician (Cer. A.T.)

Highlights of the PCC program include professional, experienced academic and clinical instructors, and a multitude of clinical sites with state-of-the-art technology and hands-on instruction. The Anesthesia Technician program is a partnership program with Kaiser Permanente.

## Requirements for Admission

1. Graduation from an accredited high school or equivalent.
2. Overall minimum GPA of 2.0 in all required prerequisite courses. An overall minimum GPA of 2.5 in the following prerequisite courses: Speech 010, Physiology 002A/002B or Anatomy 025 and Physiology 001, English 001A, and Chemistry 002A.
3. Current CPR/ Basic Cardiac Life Support (BCLS) certification.
4. Completion of application for admission into the program.

## Program Outcomes

1. Apply theory and knowledge of social sciences in effective communication with anesthesia care providers in the delivery of patient care.
2. Apply theory and knowledge of chemistry and biology to assist the anesthesia provider in the selection and operation of appropriate anesthesia equipment for patient care.
3. Apply theory and concepts in pharmacology specific to anesthesia surgical procedure in preparation of patient care.
4. Apply theory and knowledge of basic anatomy/physiology, and pathophysiology in assisting the anesthesia provider in the development of patient care plans.

## Recommended Preparation

High school courses in biology, anatomy/physiology, and chemistry with a laboratory.

## Requirements for the Certificate of Achievement

Code	Title	Units
<b>Summer Intersession I</b>		
AT 110	PROFESSIONAL ASPECTS OF ANESTHESIA TECHNOLOGY	2
AT 111	BASIC PRINCIPLES OF ANESTHESIA TECHNOLOGY	3
<b>Fall Semester II</b>		
AT 112	ADVANCED PRINCIPLES OF ANESTHESIA TECHNOLOGY	3
AT 113	ANESTHESIA PHARMACOLOGY	3
AT 114	BASIC ANESTHESIA EQUIPMENT - THEORY AND LAB	3.5
<b>Spring Semester III</b>		
AT 115	ADVANCED ANESTHESIA EQUIPMENT - THEORY AND LAB	3.5
AT 116	ANESTHESIA TECHNOLOGY CLINICAL EXPERIENCE I	5
AT 117	ANESTHESIA TECHNOLOGY CLINICAL EXPERIENCE II	5
AT 118	ANESTHESIA TECHNOLOGY CASE STUDY AND PROGRAM REVIEW	3
<b>Total Units</b>		<b>31</b>

Visit the Program Manager (<https://pasadena-city.programmapper.ws/academics/interest-clusters/8353468c-9ac9-4b4b-a310-843b126d204c/programs/9dfbf663-7290-4e92-b57b-cb85caff418d/>) for a suggested sequence of courses.

## General Education Requirements for the Associate in Science Degree

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- PCC Local Gen Ed (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)

- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)