

# Surgical Technology, A.A.S.

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## Degree Offered

- Associate of Applied Science

## Nature of the Program

An associate of applied science degree in surgical technology prepares students to enter the workforce in a hospital to assist with surgeries. The program provides both theory and application of concepts within surgical technology, such as aseptic technique and surgical procedures. In addition, students learn foundational knowledge regarding anatomy and physiology, microbiology, and pharmacology. Students also learn skills in a mock operating room on campus and complete clinical experiences in various types of surgeries in local hospitals to gain hands-on experience in the field.

## Career Opportunities

The surgical technology degree provides excellent preparation for students planning to gain employment as a surgical technologist. Surgical technologists prepare operating rooms, arrange equipment and assist physicians during surgeries. They help prepare patients for surgery, sterilize equipment, pass instruments to surgeons during surgeries, maintain a sterile environment and restock operating rooms after surgery.

## PROGRAM CONTACT

**Miranda Savage, ST Program Director**

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## FACULTY

### CHAIR

- Erin Cunningham - M.S. Biology  
Year @ PSC 2007

### DIRECTOR AND FACULTY

- Miranda Savage - RN, CST  
Year @ PSC 2023

## Admissions

1. If applicable, an overall GPA of 2.5 or higher for any college credits is required. This GPA is a combination of any transfer credit from outside institutions as well as all courses taken at WVU PSC.
2. An overall composite score of 18 or above on the ACT or an overall composite score of 980 (ERW + M) or above on the SAT is required.
3. In lieu of an ACT or SAT score, ATI TEAS test scores can be used to satisfy the minimum requirements. A minimum of 50% in each category (Math, Science, English & Language Usage and Reading) is required. For testing information, please go to <https://www.atitesting.com/>.

The following are required before starting the program:

1. Vaccination Records (full Covid-19, annual influenza when in season, PPD or IGRA within the last 30 days, current Tdap, MMR titer (or evidence of two immunizations) and Varicella titer (history to include chickenpox or vaccination))
2. Background Check
3. Drug Screen

## Curriculum Requirements

Code	Title	Hours
BIOL 102 & 102L	General Biology 2 and General Biology 2 Laboratory (GEF 2)	4
BIOL 230 & 230L	Human Anatomy and Physiology 1 and Human Anatomy and Physiology 1 Laboratory	4
BIOL 231 & 231L	Human Anatomy and Physiology 2 and Human Anatomy and Physiology 2 Laboratory	4

COMM 104	Fundamentals of Public Communication (GEF 5)	3
ENGL 101	Introduction to Composition and Rhetoric (GEF 1)	3
EXPH 240 or PALM 200	Medical Terminology Medical Terminology	2
MATH 121	Intro Concepts Of Mathematics	3
PSYC 101	Introduction to Psychology (GEF 4)	3
WVUE 191	First Year Seminar	1
ST 101	Surgical Technology 1	3
ST 150	Surgical Technology Laboratory 1	4
ST 120	Surgical Pharmacology	3
ST 102	Surgical Technology 2	4
ST 155	Surgical Technology Clinical 1	4
ST 201	Surgical Technology 3	4
ST 250	Surgical Technology Clinical 2	8
ST 202	Surgical Technology 4	4
Total Hours		61

## Suggested Plan of Study

### First Year

Fall	Hours	Spring	Hours
BIOL 102 & 102L (GEF 2)		4 BIOL 230 & 230L	4
ST 101		3 ST 120	3
PSYC 101		3 ST 102	4
MATH 121 (GEF 3)		3 ST 150	4
EXPH 240 or PALM 200		2 ENGL 101	3
WVUE 191		1	
		16	18

### Second Year

Fall	Hours	Spring	Hours
BIOL 231 & 231L		4 ST 202	4
ST 201		4 ST 250	8
ST 155		4	
COMM 104		3	
		15	12

Total credit hours: 61

## Major Learning Outcomes

### SURGICAL TECHNOLOGY, A.A.S.

Graduates of the program will be able to:

- Collaborate professionally with patients, their significant others and with all members of the healthcare team (Affective).
- Promote interest, pride, and concern in the well-being of the community and its citizens through their contributions as surgical technologists (Cognitive, Affective, Psychomotor).
- Practice clear effective communication skills, both written and non-written (Psychomotor, Affective).
- Facilitate a teamwork atmosphere, that is responsive to and centers on the surgical patient's needs (Cognitive, Affective, Psychomotor).
- Examine and incorporate the Association of Surgical Technologist scope of practice guidelines, rules, regulations, and ethical standards in the practice of surgical technology (Cognitive, Affective).
- Demonstrate proficiency of learned scientific principles and integrate these concepts in the practice of safe competent care for the consumer (Cognitive, Affective, Psychomotor).
- Prepare competent entry-level surgical technologist in the cognitive, psychomotor, and affective learning domains.

- Support professional certification and life-long learning through continuing education to improve knowledge and skills performance (Cognitive, Affective, Psychomotor).