

# SURGICAL TECHNOLOGY - ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Explore More About This Program: <https://cwi.edu/program/surgical-technology>

## Degree Quick Facts

- **Instructional School:** Health
- **Department:** Health Professions
- **Program Code:** SURG.AAS
- **Program Type:** Career and Technical Education
- **Available Fully Online:** No
- **Eligible for Federal Financial Aid:** Yes

NOTE: Courses required for this program *may* have an additional fee; more information can be found on the [Special Course Fees](#) web page.

## Degree Requirements

Course	Course Title	Min Credits
<b>Program Admission Requirements <sup>1</sup></b>		
<i>Complete one of the following options prior to program entry:</i>		
Option 1:		12
BIOL 226	Human Anatomy and Physiology I Plus	
BIOL 227P	Human Anatomy and Physiology I (GE Elective) <sup>2</sup>	
BIOL 227L	Human Anatomy and Physiology I Lab (GE Elective) <sup>2</sup>	
BIOL 228	Human Anatomy and Physiology II	
BIOL 228L	Human Anatomy and Physiology II Lab	
HLTH 101	Medical Terminology	
Option 2:		11
BIOL 227	Human Anatomy and Physiology I (GE Elective) <sup>2</sup>	
BIOL 227L	Human Anatomy and Physiology I Lab (GE Elective) <sup>2</sup>	
BIOL 228	Human Anatomy and Physiology II	
BIOL 228L	Human Anatomy and Physiology II Lab	
HLTH 101	Medical Terminology	
<b>General Education Requirements</b>		
<a href="#">GEM 1 - Written Communication course</a>		3
<a href="#">GEM 2 - Oral Communication course</a>		3
<a href="#">GEM 3 - Mathematical Ways of Knowing course</a>		3
<a href="#">GEM 6 - Social &amp; Behavioral Ways of Knowing course</a>		3
<b>Major Requirements</b>		
SURG 100	Introduction and Basic Sciences	3
SURG 101	Operating Room Techniques	5
SURG 102	Sterilization and Disinfection	1
SURG 103	Surgical Technological Sciences	3
SURG 110	Preparation of the Surgical Patient	3
SURG 111	Surgical Procedures I	6
SURG 116	Perioperative Care of Surgical Patients	1
SURG 132	Surgery Clinical Practice	8
SURG 150	Professionalism and Leadership for Surgical Technology	1
SURG 290	Surgical Procedures II	7
<b>Minimum Credit Hours Required</b>		<b>61-62</b>

<sup>1</sup> Courses required prior to program entry are included in degree requirements and total credits.

<sup>2</sup> This course is a prerequisite to program entry and fulfills the GE Elective requirement for an Associate of Applied Science degree.

**NOTE: All courses listed under Major Requirements must be completed with a grade of C or higher.**

## Degree Plan: Summer Start

The course sequence listed below is strongly recommended in order to complete your program requirements. Many Career and Technical Education (CTE) courses have prerequisites and/or corequisites that have been accounted for within this course sequence plan. Please register for your major requirements each semester as shown below using the Student Planning tool in myCWI. Consult your advisor for any questions regarding this plan.

NOTE: General education courses may be completed during any semester the student prefers, including summer semesters, unless they required for program admission.

Course	Course Title	Min Credits
<b>Program Admission Requirements <sup>1</sup></b>		
Complete one of the following options prior to program entry		
Option 1:		12
BIOL 226	Human Anatomy and Physiology I Plus	
BIOL 227P	Human Anatomy and Physiology I <sup>2</sup>	
BIOL 227L	Human Anatomy and Physiology I Lab <sup>2</sup>	
BIOL 228	Human Anatomy and Physiology II	
BIOL 228L	Human Anatomy and Physiology II Lab	
HLTH 101	Medical Terminology	
Option 2:		11
BIOL 227	Human Anatomy and Physiology I <sup>2</sup>	
BIOL 227L	Human Anatomy and Physiology I Lab <sup>2</sup>	
BIOL 228	Human Anatomy and Physiology II	
BIOL 228L	Human Anatomy and Physiology II Lab	
HLTH 101	Medical Terminology	

**Minimum Credit Hours Required** **11-12**

<sup>1</sup> Courses required for program admission are included within the total minimum credit hours required for graduation in this program.

<sup>2</sup> Completion of BIOL 227 Human Anatomy and Physiology I (or BIOL 227P) and BIOL 227L Human Anatomy and Physiology I Lab fulfill the GE Elective requirement for this program.

### First Year

Spring	Credit Hours
GEM 1 - Written Communication course <sup>1</sup>	3
GEM 2 - Oral Communication course <sup>1</sup>	3
GEM 3 - Mathematical Ways of Knowing course <sup>1</sup>	3
GEM 6 - Social & Behavioral Ways of Knowing course <sup>1,2</sup>	3

**Total Semester Credit Hours** **12**

Summer		
SURG 100	Introduction and Basic Sciences	3
SURG 103	Surgical Technological Sciences	3
Total Semester Credit Hours		6

Fall		
SURG 101	Operating Room Techniques	5
SURG 102	Sterilization and Disinfection	1
SURG 110	Preparation of the Surgical Patient	3
SURG 111	Surgical Procedures I	6
SURG 150	Professionalism and Leadership for Surgical Technology	1
Total Semester Credit Hours		16

### Second Year

Spring		
SURG 116	Perioperative Care of Surgical Patients	1
SURG 132	Surgery Clinical Practice	8

SURG 290	Surgical Procedures II	7
<b>Total Semester Credit Hours</b>		<b>16</b>
<b>Minimum Credit Hours Required</b>		<b>50</b>

- <sup>1</sup> Completion of general education (GE) courses is not required to apply to the Surgical Technology program, however, program admission is competitive and completion of these courses increases your standing in the application process. Ideally, these courses should be completed prior to submitting a program application.
- <sup>2</sup> PSYC 101 Introduction to Psychology is recommended.

**NOTE: All courses listed under Major Requirements must be completed with a grade of C or higher.**

## Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Maintain an ethical and compassionate approach to patient-centered care in the operating room.
- Uphold the highest standard of sterile technique.
- Understand the limitations and duties of the scope of practice for surgical technologists.
- Possess a thorough knowledge of anatomy and physiology and be able to apply that knowledge in a surgical setting.
- Anticipate the needs of the surgical team before, during, and after a procedure.
- Possess solid comprehension of surgical instrumentation and equipment and their uses.
- Understand and use appropriate medical terminology.
- Appropriately handle and dispose of sharps and infectious waste.
- Recognize the value of teamwork and be able to function well in a team environment.
- Demonstrate a working knowledge of surgical pharmacology and anesthesia.
- Synthesize moral and ethical reasoning with emerging issues in healthcare as well as advances in surgical procedures, techniques, and technologies.