



## **2018-2019 PROGRAM REQUIREMENTS**

### **Degree: Associate of Applied Science**

### **Major: Surgical Technology**

#### **About This Major . . .**

The Associates of Applied Science Surgical Technology Program is designed to cover both the academic and clinical skills necessary to perform as a surgical technologist. The program begins fall semester of each year. Certain prerequisite courses must be completed prior to admission to the professional portion, the 2nd year, of this program. Students will complete this Associate Degree program in sequence with prerequisites and Essential Learning courses the first year. The application process will occur in the second semester or their first year. Once accepted to the program, the second year will prepare students to work as operating room technologists and assist in surgical operations.

Surgical technologists work as members of a healthcare team alongside surgeons, registered nurses, and other health care workers. They prepare operating rooms, arrange equipment, and help doctors during surgeries. Students will be prepared to work in many areas of the surgery setting including preparing patients for surgery by washing and disinfecting incision sites, positioning patients on the operating table, covering patients with sterile drapes, and taking patients to and from the operating room. Surgical technologists prepare sterile solutions and medications used in surgery and check that all surgical equipment is working properly. They help the surgical team put on sterile gowns and gloves. During an operation, surgical technologists pass instruments and supplies to surgeons and first assistants. They also hold retractors and may hold internal organs in place during the procedure. Technologists also may handle specimens taken for laboratory analysis. Surgical technologists who take and pass the certifying examination offered by the NBSTSA (National Board for Surgical Technology and Surgical Assisting) are certified and authorized to use the initials CST to designate their status as a Certified Surgical Technologist. Certification can be a means of upward mobility, a condition of employment, a route to higher salary, or a source of national recognition.

For more information on what you can do with this major, go to <http://www.coloradomesa.edu/career/whatmajor.html>

All CMU associate graduates are expected to demonstrate proficiency in critical thinking, communication fluency, quantitative fluency, and specialized knowledge/applied learning. In addition to these campus-wide student-learning outcomes, graduates of this major will be able to:

1. Apply knowledge and skills from the biological sciences to safely perform during the pre- operative, intra-operative, and post-operative phases of patient care. (Specialized Knowledge/Applied Learning)
2. Demonstrate an understanding of the ethical, legal, moral, and medical values related to the patient and the surgical team. (Specialized Knowledge/Applied Learning)
3. Integrate knowledge gained in core surgical technology courses to prepare for the role of a surgical technologist, working with surgical interventions. Specialized Knowledge/Applied Learning)
4. Correlate the elements, action, and use of medications and anesthetic agents used during the peri-operative experience. (Intellectual Skills Quantitative fluency)
5. Utilize appropriate medical terminology to communicate clearly, professionally, and effectively with patients, physicians, and co-workers and provide for accurate documentation. (Communication Fluency)
6. Employ appropriate ethical, professional, and respectful values while providing care to diverse populations within the healthcare system. (Communication Fluency)
7. Utilize learned competencies to assemble and operate instruments, equipment, and supplies for the delivery of patient care as an entry-level practitioner during basic surgical procedures. (Intellectual Skills: Critical Thinking)
8. Demonstrate the ability to prioritize and organize the surgical field, while considering the physiology and urgency of patient care needs. (Intellectual Skills: Critical Thinking).

#### **Advising Process and DegreeWorks**

This document is intended for informational purposes to help determine what courses and associated requirements are needed to earn a degree. The suggested course sequencing outlines how students could finish degree requirements. Some courses are critical to complete in specific semesters, while others may be moved around. Meeting with an academic advisor is essential in planning courses and altering the suggested course sequencing. It is ultimately the student's responsibility to understand and fulfill the requirements for her/his intended degree(s).

DegreeWorks is an online degree audit tool available in MAVzone. It is the official record used by the Registrar's Office to evaluate progress towards a degree and determine eligibility for graduation. Students are responsible for reviewing their DegreeWorks audit

on a regular basis and should discuss questions or concerns with their advisor or academic department head. Discrepancies in requirements should be reported to the Registrar's Office.

### **Graduation Process**

Students must complete the following in the first two months of the semester prior to completing their degree requirements:

- Review their DegreeWorks audit and create a plan that outlines how unmet requirements will be met in the final semester.
- Meet with their advisor and modify their plan as needed. The advisor must approve the final plan.
- Submit the "Intent to Graduate" form to the Registrar's Office to officially declare the intended graduation date and commencement ceremony plans.
- Register for all needed courses and complete all requirements for each degree sought.

Submission deadlines and commencement details can be found at <http://www.coloradomesa.edu/registrar/graduation.html>.

If a student's petition for graduation is denied, it will be her/his responsibility to consult the Registrar's Office regarding next steps.

### **INSTITUTIONAL DEGREE REQUIREMENTS**

The following institutional degree requirements apply to all CMU Associate of Applied Science (AAS) degrees. Specific programs may have different requirements that must be met in addition to institutional requirements.

- 60 semester hours minimum.
- Students must complete a minimum of 15 of the final 30 semester hours of credit at CMU.
- 2.00 cumulative GPA or higher in all CMU coursework.
- A course may only be used to fulfill one requirement for each degree/certificate.
- No more than six semester hours of independent study courses can be used toward the degree.
- Non-traditional credit, such as advanced placement, credit by examination, credit for prior learning, cooperative education and internships, cannot exceed 20 semester credit hours for an AAS degree.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- Capstone exit assessment/projects (e.g., Major Field Achievement Test) requirements are identified under Program-Specific Degree Requirements.
- The Catalog Year determines which program sheet and degree requirements a student must fulfill in order to graduate. Visit with your advisor or academic department to determine which catalog year and program requirements you should follow.
- See "Requirements for Undergraduate Degrees and Certificates" in the catalog for a complete list of graduation requirements.

### **PROGRAM-SPECIFIC DEGREE REQUIREMENTS**

- 68 semester hours total for the AAS, Surgical Technology.
- 2.00 cumulative GPA or higher in coursework toward major content.
- Surgical Technology (SUTE) courses must be completed in sequence and may only be taken after acceptance into the program.

## **ESSENTIAL LEARNING REQUIREMENTS** (15 semester hours)

See the current catalog for a list of courses that fulfill the requirements below. If a course is an Essential Learning option and a requirement for your major, you must use it to fulfill the major requirement and make a different selection for the Essential Learning requirement.

### **Communication** (6 semester hours)

- ☐ ENGL 111 - English Composition (3)
- ☐ ENGL 112 - English Composition (3)

### **Mathematics** (3 semester hours)

- ☐ MATH 113 - College Algebra (4) or higher  
3 credits count towards the Essential Learning requirement and 1 credit counts as General Elective credit.

### **Other Essential Learning Core Courses** (6 semester hours)

- ☐ PSYC 150 - General Psychology (3)
- ☐ Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course (3)

## **OTHER LOWER-DIVISION REQUIREMENTS**

### **Wellness Requirement** (2 semester hours)

- ☐ KINE 100 - Health and Wellness (1)
- ☐ Select one Activity course (1)

## **FOUNDATION PREREQUISITE COURSES** (12 semester hours)

- ☐ BIOL 209 - Human Anatomy & Physiology (3)
- ☐ BIOL 209L - Human Anatomy & Physiology Laboratory (1)
- ☐ BIOL 210 - Human Anatomy & Physiology II (3)
- ☐ BIOL 210L - Human Anatomy & Physiology II Laboratory (1)
- ☐ BIOL 241 - Pathophysiology (4)

## **AAS: SURGICAL TECHNOLOGY REQUIREMENTS** (38 semester hours)

- ☐ SUTE 200 - Medical Terminology in Surgical Technology (3)
- ☐ SUTE 202 - Fundamentals in Surgical Technology (4)
- ☐ SUTE 204 - Basic Surgical Technology Skills Laboratory (4)
- ☐ SUTE 206 - Pharmacology for Surgical Technology (2)
- ☐ SUTE 210 - Safety in Surgical Technology (3)
- ☐ SUTE 212 - Surgical Procedures I (3)
- ☐ SUTE 214 - Surgical Procedures II (3)
- ☐ SUTE 218 - Specialty Surgical Procedures (4)
- ☐ SUTE 220 - Surgical Practicum I (4)
- ☐ SUTE 230 - Surgical Practicum II (4)
- ☐ SUTE 240 - Surgical Practicum III (4)

## **GENERAL ELECTIVES** (1 semester hour)

Electives (additional credit from MATH 113 - College Algebra or 1 semester hours of college level courses appearing on final transcript, not listed above to bring total semester hours to 68.)

☐ \_\_\_\_\_

## SUGGESTED COURSE SEQUENCING

---

### Freshman Year, Fall Semester: 15 credits

- ENGL 111 - English Composition (3)
- MATH 113 - College Algebra (4)
- BIOL 209 - Human Anatomy & Physiology (3)
- BIOL 209L - Human Anatomy & Physiology Laboratory (1)
- KINE 100 - Health and Wellness (1)
- Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course (3)

### Freshman Year, Spring Semester: 15 credits

- ENGL 112 - English Composition (3)
- BIOL 210 - Human Anatomy & Physiology II (3)
- BIOL 210L - Human Anatomy & Physiology II Laboratory (1)
- BIOL 241 - Pathophysiology (4)
- PSYC 150 - General Psychology (3)
- Select one KINA Activity course (1)

---

### Sophomore Year, Fall Semester: 13 credits

- ☐ SUTE 200 - Medical Terminology in Surgical Technology (3)
- ☐ SUTE 202 - Fundamentals in Surgical Technology (4)
- ☐ SUTE 204 - Basic Surgical Technology Skills Laboratory (4)
- ☐ SUTE 206 - Pharmacology for Surgical Technology (2)

### Sophomore Year, Spring Semester: 13 credits

- ☐ SUTE 210 - Safety in Surgical Technology (3)
- ☐ SUTE 212 - Surgical Procedures I (3)
- ☐ SUTE 214 - Surgical Procedures II (3)
- ☐ SUTE 218 - Specialty Surgical Procedures (4)

### Sophomore Year, Summer Semester: 12 credits

- ☐ SUTE 220 - Surgical Practicum I (4)
  - ☐ SUTE 230 - Surgical Practicum II (4)
  - ☐ SUTE 240 - Surgical Practicum III (4)
-