SURGICAL TECHNOLOGY
(AAS)

Degree: Associate of Applied Science
Major: Surgical Technology
Program Code: 1651

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, visit Career Services’ What to Do with a Major? (https://www.coloradomesa.edu/career/students/explore/major.html) resource.

All CMU/WCCC associate graduates are expected to demonstrate proficiency in specialized knowledge/applied learning, quantitative fluency, communication fluency, critical thinking, personal and social responsibility, and information literacy. 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)

Requirements
Each section below contains details about the requirements for this program. Select a header to expand the information/requirements for that particular section of the program's requirements.

To print or save an overview of this program's information, including the program description, learning outcomes, requirements, suggested course sequencing (if applicable), and advising and graduation information, scroll to the bottom of the left-hand navigation menu and select "Print Options." This will give you the options to either "Send Page to Printer" or "Download PDF of This Page." The "Download PDF of This Page" option prepares a much more concise presentation of all program information. The PDF is also printable and may be preferable due to its brevity.

Institutional Degree Requirements
The following institutional degree requirements apply to all CMU and WCCC 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/WCCC.
- 2.00 cumulative GPA or higher in all CMU/WCCC 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.
Specific to this program:
- 68 semester hours total for the AAS, Surgical Technology.

Essential Learning Requirements
(16 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 111</td>
<td>English Composition I-GTCO1</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 112</td>
<td>English Composition II-GTCO2</td>
<td>3</td>
</tr>
</tbody>
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Mathematics
MATH 113 | College Algebra-GTMA1 | 4 |

Other Essential Learning Core Courses
PSYC 150 | General Psychology-GTSS3 | 3 |
Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course | 3 |
Total Semester Credit Hours | 16 |

Other Lower Division Requirements

Wellness Requirement
KINE 100 | Health and Wellness | 1 |
Select one KINA Activity course | 1 |
Total Semester Credit Hours | 2 |

Foundation Courses
(12 semester hours)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 209</td>
<td>Human Anatomy and Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 209L</td>
<td>Human Anatomy and Physiology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 210</td>
<td>Human Anatomy and Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 210L</td>
<td>Human Anatomy and Physiology II Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 241</td>
<td>Pathophysiology</td>
<td>4</td>
</tr>
</tbody>
</table>
Total Semester Credit Hours | 12 |

Program Specific Degree Requirements
(38 semester hours, must maintain a 2.00 cumulative GPA or higher in coursework in this area.)
- Surgical Technology (SUTE) courses must be completed in sequence and may only be taken after acceptance into the program.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>SUTE 200</td>
<td>Medical Terminology in Surgical Technology</td>
<td>3</td>
</tr>
<tr>
<td>SUTE 202</td>
<td>Fundamentals in Surgical Technology</td>
<td>4</td>
</tr>
<tr>
<td>SUTE 204</td>
<td>Basic Surgical Technology Skills Lab</td>
<td>4</td>
</tr>
<tr>
<td>SUTE 206</td>
<td>Pharmacology for Surgical Technology</td>
<td>2</td>
</tr>
<tr>
<td>SUTE 210</td>
<td>Safety in Surgical Technology</td>
<td>3</td>
</tr>
<tr>
<td>SUTE 212</td>
<td>Surgical Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>SUTE 214</td>
<td>Surgical Procedures II</td>
<td>3</td>
</tr>
<tr>
<td>SUTE 218</td>
<td>Specialty Surgical Procedures</td>
<td>4</td>
</tr>
<tr>
<td>SUTE 220</td>
<td>Surgical Practicum I</td>
<td>4</td>
</tr>
<tr>
<td>SUTE 230</td>
<td>Surgical Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>SUTE 240</td>
<td>Surgical Practicum III</td>
<td>4</td>
</tr>
</tbody>
</table>
Total Semester Credit Hours | 38 |

Suggested Course Plan

First Year
Fall Semester
ENGL 111 | English Composition I-GTCO1 | 3 |
MATH 113 | College Algebra-GTMA1 | 4 |
BIOL 209 | Human Anatomy and Physiology | 3 |
BIOL 209L | Human Anatomy and Physiology Laboratory | 1 |
KINE 100 | Health and Wellness | 1 |
Select one Social and Behavioral Sciences, History, Natural Sciences, Fine Arts or Humanities course | 3 |
Semester Credit Hours | 15 |

Spring Semester
ENGL 112 | English Composition II-GTCO2 | 3 |
BIOL 210 | Human Anatomy and Physiology II | 3 |
BIOL 210L | Human Anatomy and Physiology II Laboratory | 1 |
BIOL 241 | Pathophysiology | 4 |
PSYC 150 | General Psychology-GTSS3 | 3 |
Select one KINA Activity course | 1 |
Semester Credit Hours | 15 |

Second Year
Fall Semester
SUTE 200 | Medical Terminology in Surgical Technology | 3 |
SUTE 202 | Fundamentals in Surgical Technology | 4 |
SUTE 204 | Basic Surgical Technology Skills Lab | 4 |
SUTE 206 | Pharmacology for Surgical Technology | 2 |
Semester Credit Hours | 13 |

Spring Semester
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 |
Semester Credit Hours | 13 |

Summer Semester
SUTE 220 | Surgical Practicum I | 4 |
SUTE 230 | Surgical Practicum II | 4 |
SUTE 240 | Surgical Practicum III | 4 |
Semester Credit Hours | 12 |
Total Semester Credit Hours | 68 |
Advising and Graduation

Advising Process and DegreeWorks

Documentation on the pages related to this program 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.