

# Associate of Applied Science in Surgical Technology

The Associate of Applied Science (AAS) in Surgical Technology provides graduates the training to work in the operating room of hospitals and surgery centers alongside surgeons, nurses and anesthesiologists while assisting the surgeon. Graduates may work as surgical technologists, sterile processors, sterile processing managers, and medical sales representatives. After gaining clinical experience, graduates may teach or become a certified first assistant.

The AAS in Surgical Technology is accredited by the Commission on Accreditation of Allied Health Education Programs (<http://www.caahep.org>) upon the recommendation of the Accreditation Review Council for Surgical Technology and Surgical Assisting (ARC/STSA).

## Admission Requirements

- Complete the Admission Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).
- Complete the following courses with a minimum grade of C and a cumulative GPA of at least 2.50:
  - BIOL A111 and BIOL A111L
  - BIOL A112 and BIOL A112L
  - BIOL A240
  - MA A101
  - MA A104
  - WRTG A111 or earn WRTG A1W in transfer.
- Placement into MATH A105 or higher, or complete MATH A055 with a minimum grade of C.
- Submit the surgical technology program application according to instructions and deadlines on the program website (<https://www.uaa.alaska.edu/academics/college-of-health/departments/school-of-allied-health/surgical-technology/>).
- All students will initially be admitted to a pre-major status. Admission to the pre-major status does not guarantee subsequent admission to the major. As a pre-major, students work with an advisor to assist them in completing pre-major requirements and preparing to apply to the full major.

## Special Considerations

Students selected for the AAS in Surgical Technology may be asked to provide documentation for clinical site placement for the following:

- Immunizations: Hepatitis B titer showing immunity, Hepatitis A, MMR, TDap, Varicella, Influenza vaccine within the previous twelve months, and two-step PPD test or Quantiferon Gold
- Current Basic Life Support (BLS) for Health Care Provider certification

- A national-level criminal background check
- A drug-screening lab test
- Current health insurance

## Graduation Requirements

- Complete the General University Requirements for Associate Degrees. (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>)
- Complete the General Education Requirements for Associate of Applied Science Degrees. (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>)
- For the Quantitative Skills requirement MATH A105 or higher is recommended.
- Complete BIOL A111, BIOL A111L, BIOL A112, BIOL A112L and all required Surgical Technology (SURG) courses with a minimum grade of C.
- Complete the following major requirements:

Code	Title	Credits
BIOL A111 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4
BIOL A112 & A112L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
BIOL A240	Introductory Microbiology for Health Sciences	3
BIOL A240L	Introductory Microbiology for Health Sciences Laboratory	1
MA A101	Medical Terminology	3
MA A104	Essentials of Human Disease	3
MEDT A250	Cultural Diversity in Health Care	1
PSY A111 or PSY A150 or SOC A101	Introduction to Psychology Lifespan Development Introduction to Sociology	3
SURG A150	Introduction to Surgical Technology	5
SURG A160	Fundamentals of Surgical Technology	5
SURG A210	Surgical Procedures I	5
SURG A220	Surgical Procedures II	5
SURG A292	Surgical Technology Seminar	1
SURG A295	Surgical Technology Practicum	11
<b>Total</b>		<b>54</b>

**A minimum of 66 credits is required for this degree.**

## Program Student Learning Outcomes

Graduates of the Associate of Applied Science in Surgical Technology will be able to:

- Apply knowledge and skills of biological sciences in the perioperative setting.
- Communicate effectively with surgical team members, patients and their families.
- Apply the principles of aseptic technique in the perioperative setting.
- Organize routine instrumentation and supplies within the perioperative environment.
- Demonstrate knowledge of pharmacology and math calculation principles related to the surgical environment.
- Collaborate with members of the surgical team to deliver quality patient care with consideration of the unique psychological and social needs of each patient.
- Demonstrate skills and behaviors necessary to function as a member of a surgical team.

## Sample Plan

The academic plan below is one pathway through the degree/certificate. It includes all requirements, taking into account recommendations from program faculty. Each student's plan may vary according to their initial course placement (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/academicstandardsregulations/courseplacement/>), intended course load, additional majors and/or minors, and their placement into required prerequisite courses. Any change in the plan below can have an unforeseen impact on the rest of the plan. **Therefore, it is very important to meet with your academic advisor to verify your personal academic plan.**

**Please review the following terms, definitions, and resources associated with the sample academic plan below.**

- Each course in the far left column links to a pop-up bubble with a course description, prerequisite requirements, and associations with university requirements. For example, if a course fulfills a general education requirement, you will see that in the pop-up bubble.
- **GER:** indicates a General Education Requirement (<http://catalog.uaa.alaska.edu/undergraduateprograms/baccalaureaterequirements/gers/>). GERs that also count toward degree/certificate requirements appear as a specific course in the plan. For these courses, "GER" is not indicated explicitly in the table, but if you click on the course, you will see the course's GER status in the pop-up bubble.
- **Program Elective:** indicates a specific course selection determined by program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- **Elective:** indicates an open selection of 100-400 level university courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate.
- **Upper Division Program Elective:** indicates a specific 300-400 level course selection determined by the program faculty to fulfill a degree/certificate requirement. Students should seek assistance from their academic advisor.
- **Upper Division Elective:** indicates an open selection of 300-400 level courses to fulfill elective credits needed to meet the minimum total credits toward the degree/certificate. These courses must be

upper division in order to meet General University Requirements for the particular degree/certificate type.

### First Year

Fall		Credits
BIOL A111 & A111L	Human Anatomy and Physiology I and Human Anatomy and Physiology I Lab	4
MA A101	Medical Terminology	3
PSY A111	Introduction to Psychology	3
or PSY A150	or Lifespan Development	
or SOC A101	or Introduction to Sociology	
GER Oral Communication Skills		3
GER Written Communication Skills (recommend WRTG A111)		3
	<b>Credits</b>	<b>16</b>

### Spring

BIOL A112 & A112L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
BIOL A240	Introductory Microbiology for Health Sciences	3
BIOL A240L	Introductory Microbiology for Health Sciences Laboratory	1
MA A104	Essentials of Human Disease	3
MATH A105	Intermediate Algebra	3-4
or	or Elementary Statistics	
STAT A200		
GER Written Communication Skills		3
	<b>Credits</b>	<b>17-18</b>

### Second Year

Fall		Credits
SURG A150	Introduction to Surgical Technology	5
SURG A160	Fundamentals of Surgical Technology	5
	<b>Credits</b>	<b>10</b>
Spring		Credits
SURG A210	Surgical Procedures I	5
SURG A220	Surgical Procedures II	5
	<b>Credits</b>	<b>10</b>
Summer		Credits
SURG A292	Surgical Technology Seminar	1
SURG A295	Surgical Technology Practicum	11
	<b>Credits</b>	<b>12</b>
	<b>Total Credits</b>	<b>65-66</b>