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## Northland Pioneer College

### ASSOCIATE OF APPLIED SCIENCE DEGREE

### PROGRAM SURGICAL TECHNOLOGY

#### ADMISSION INFORMATION 2023-2024

The Surgical Technology Program mission promotes Northland Pioneer College's mission to provide, educational excellence that is affordable and accessible for the enrichment of communities across northeastern Arizona by offering quality education in surgical technology. The program prepares competent entry-level surgical technologists in the cognitive (knowledge), psycho motor (skills), and affective (behavior) learning domains. The department strives to develop competent, caring surgical technology professionals who demonstrate ethical behavior and integrity while collaborating with the healthcare team to provide safe patient-centered care within a continually changing healthcare environment.

The Associate of Applied Science (AAS) Degree in Surgical Technology prepares students for beginning employment in providing direct patient care. Admission to or graduation from the program does not guarantee eligibility for certification by the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

This program is not currently accredited.

#### **Program Information**

Northland Pioneer College has clinical agreements with Summit Healthcare Regional Medical Center, Little Colorado Medical Center, Flagstaff Medical Center, and Sunrise Ambulatory Surgery Center. These facilities provide students opportunities to acquire direct care experiences. Students may apply to Northern Arizona University (NAU), Grand Canyon University (GCU), Arizona State University (ASU) and other universities to utilize credits within this degree toward a bachelor's degree.

The Northland Pioneer College District Governing Board approved the Surgical Technology program for the 2019-20 academic year. The program is offered on the White Mountain (Show Low) campus. Many of the required courses for admission and general education courses are available at other NPC campuses and centers. The program of 68 credit hours is designed for students to complete a minimum of 3 semesters of prerequisite coursework followed by 4 consecutive semesters of core requirements. After completion of the first two semesters in the program, students move to the clinical setting to complete a clinical practicum. Students participate in assuming the role of the surgical technologist for a minimum of 125 cases, the majority of which must be completed in the first scrub role.

Students may apply to the Surgical Technology program prior to completing prerequisites; all prerequisites must be completed two weeks prior to the first week of class in the Surgical Technology program. Some students may choose to take the remaining general education (co-requisites) courses prior to admission. All co-requisite courses must be completed prior to or in the sequential order listed on the curriculum outline (see page 5).

Science courses over eight years old may be accepted with appropriate documentation or testing. Students apply to and must be admitted to the Surgical Technology program to enroll in surgical technology courses.

#### **Transfer Students**

Surgical Technology degree-seeking transfer students should submit official transcripts of previous college work to the Records & Registration Office.

Evaluated credits will aid advisement counselors prior to enrolling in classes. Transfer students require a letter of recommendation from the director of their previous Surgical Technology program. The admission

committee considers the student's transcript and preparation in accepting credits for transfer.

### **Petitions for Exceptions**

Students seeking exceptions to degree requirements should meet with an academic adviser for assistance in completing the petition forms. These forms accompanied by supporting information such as copies of transcripts, course descriptions, and articulation rules are forwarded to the Dean of Nursing and Allied Health. The dean makes a recommendation and forwards the petition to the registrar and Vice President for Learning and Student Services for a final decision.

### **Transferability of Credits**

Students interested in transferring their credits to another Arizona public university should contact an academic adviser. NPC offers online access to the AZ Transfer System which offers helpful features that allows you to:

- See how your previous courses will transfer to public universities in Arizona
- Learn what community college courses transfer as specific university equivalents
- View transfer guides that outline university academic programs for community college students
- Research lists of community college courses that apply to university general education equivalents. To access the AZ Transfer System, visit their website at: <http://www.aztransfer.com/>

### **Placement and Admission Testing**

The Surgical Technology program values student success. To ensure that students have the opportunity to select courses appropriate for their skill level, placement testing in mathematics is required and testing in other disciplines may be necessary. Students should contact an academic adviser to begin the placement process. The HESI A2 Admission Assessment exam with science composite must be no older than 18 months on the application deadline date. If you will benefit from academic accommodations for placement testing, contact the Office of Accessibility and Inclusion (OAI).

### **Instructional Methods**

The Surgical Technology program uses a variety of instructional methods to facilitate learning. Face-to-face lecture experiences in the traditional classroom setting offer students live, interactive instruction. Low to moderate fidelity simulation laboratory classes allow students to practice skills and develop critical thinking processes in a safe, non-threatening environment. A computer or electronic tablet for access to instructional materials is required and not provided. Clinical experiences take place in various health care agencies in and outside the college's district. Hours may vary from the class schedule depending on the clinical placement and travel will be required at times. In addition, overnight stays may be required. If you have concerns about your ability to fully participate in any instructional methods, contact the Office of Accessibility and Inclusion (OAI) at [www.npc.edu/oai](http://www.npc.edu/oai) to receive information regarding accommodations and documentation requirements. To insure appropriate accommodations, it is the student's responsibility to request accommodations in a timely manner and to provide appropriate documentation to verify eligibility for support services.

**\*\*NOTE:** Applicants must be aware that clinical sites may impose Covid and other vaccination requirements, which may or may not include waivers for not obtaining the vaccines. Students are obligated to comply with these requirements when they exist in order to attend clinical experiences.

## SURGICAL TECHNOLOGY PROGRAM STEPS FOR ADMISSION

### I. Pre-Requisites:

Completion of the following prerequisite courses:

BIO 181	General Biology	BIO 205	Microbiology
BIO 201	Human Anatomy & Physiology I	CHM130	Fundamental Chemistry
HES 170	Medical Terminology	ENL101	College Composition I

All applicants must demonstrate minimal competency in elementary algebra by taking the placement exam and scoring a minimum of 250 on the Next Generation ACCUPLACER 250..

Students may apply while completing prerequisite coursework but may not enroll in the Surgical Technology program until accepted by the admission committee and after completing all prerequisite courses with a grade of “C” or higher. A cumulative GPA of 3.0 “B” or higher is preferred for the pre-requisite courses. If you are currently enrolled in any of the above prerequisite courses submit your application with “IP” listed for the course that is in progress. **Please note: College courses over eight years old may be accepted with appropriate documentation and approval.**

- II. Submit the completed notarized application and the Notice of No Guarantee of Licensure/Certification forms found in the application packet as quickly as possible but no later than the application deadline.
- III. Transfer students must submit **official transcripts** (in original sealed envelope) from original institution(s) for all prerequisite and co-requisite courses to the Records and Registration (R&R) Office at PO Box 610 Holbrook, AZ 86025. In order to guarantee that your transcripts are evaluated and sent to the Nursing and Allied Health department by the deadline date we strongly recommend that your transcripts are received in the R&R office by **4 weeks prior to the application deadline**. If an official transcript has previously been received and posted to your NPC account you do not need to order it again, unless you have taken additional coursework.
- IV. You are required to meet with an NPC academic adviser and have a **degree audit** printed to include with your application. If you are transferring credits you should meet with the adviser after the courses have been posted to your NPC transcript but before the deadline date. Transferred courses will appear on your transcript in MyNPC.
- V. Provide a copy of the **HESI A2 Admission Assessment Exam** cumulative report. Test results must include all of the following: anatomy & physiology, biology, chemistry, math, reading, vocabulary and grammar, and the cumulative scores for science and English. If you require testing accommodations, you must contact the OAI office at least two weeks prior to the test. If you do not take the test at NPC, the results must be emailed directly from the test administrator to the Surgical Technology Department at [tamora.vandriel@npc.edu](mailto:tamora.vandriel@npc.edu). A study guide is available online from Amazon (search HESI A2 study guide).
- VI. A one-page typed, double spaced “**personal statement**” must be submitted with the application. The personal statement should address why you wish to attend the Surgical Technology program, what you have done to meet your goals, and what you bring to the Surgical Technology program.
- VII. Current Arizona DPS Level 1 fingerprint clearance card. Apply at <http://www.azdps.gov/services/public/fingerprint> as a health science student. **Plan ahead** as the process may take **6-8 weeks** barring any problems. (If your application is still being processed, enclose a copy of your receipt). A copy of the clearance card must be received no later than two weeks prior to start of classes.

**All items must be received by the Surgical Technology program office by the application deadline at the following address:**

**MAIL application to:**

**(postmarked by 4-14-23)**

Northland Pioneer College  
Nursing and Allied Health  
1001 W. Deuce of Clubs  
Show Low, AZ 85901

OR

**Hand Deliver application to:**

**(by 4-14-23)**

Nursing and Allied Health  
1001 W. Deuce of Clubs  
Show Low, AZ

### **Admission Selection**

All students must be admitted to Northland Pioneer College to enroll in courses at the college or have transcripts evaluated. Students complete an application/enrollment form available at every NPC campus/center location, or on the NPC website: <http://www.npc.edu/application>.

The Surgical Technology admission committee reviews the applications and selects applicants for admission. Admission criteria include: H E S I s c o r e s , grade point average (GPA) in prerequisite courses, the number of completed general education co-requisite courses with a “C” or higher grade, and employment/experience in healthcare setting. The Surgical Technology Admission Committee gives significant weight to the HESI scores and GPA in pre-requisite courses. The program offers opportunities to complete the pre-admission HESI exam in the spring semester – refer to [npc.edu/surgical-technology](http://npc.edu/surgical-technology). Admission is contingent upon completion of pre-requisite courses. A completed Surgical Technology application should be submitted on or before the designated deadline noted in the application packet. Late applicants will be considered on a space available basis if they meet the admission criteria, but will not be accepted before qualified applications submitted on time.

### **Right of Refusal**

The Northland Pioneer College Surgical Technology Program reserves the right to refuse admission to any applicant based on evidence that the applicant cannot perform the functional abilities essential for the practice of surgical technology as defined in the application packet, for prior documented conduct requiring disciplinary action, or for unethical behavior as defined by the Northland Pioneer College Student Code of Conduct and the NPC Surgical Technology Student Handbook.

**PUBLIC NOTICE OF NONDISCRIMINATION:** Northland Pioneer College does not discriminate on the basis of race, color, national origin, veteran status, religion, marital status, gender, age or disability in admission or access to, or treatment or employment in its educational programs or activities. District grievance procedures will be followed for compliance with Title IX and Section 504 requirements. The Affirmative Action Compliance Officer is the Chief Human Resource Officer, 2251E. Navajo Blvd., Holbrook, Arizona 86025, (928) 524-7471. The Section 504 Compliance Officer is the Coordinator of the Office of Accessibility and Inclusion, 1611 S. Main, Snowflake, AZ 85937, (928) 536-6246. The lack of English language skills will not be a barrier to admission and participation in vocational education programs.

If you are a student needing accommodations for any classes, please contact the Office of Accessibility and Inclusion ([npc.edu/oai](http://npc.edu/oai)).

Information pertaining to the Student Code of Conduct (Procedure 2625), accommodations, Library Services, Tutoring, as well as a Moodle Guide can be found at the Moodle login page, under the Students tab <https://moodle.npc.edu>. In addition, NPC’s statement of non-discrimination (Procedure 2710) can be found at <https://www.npc.edu/procedure-2710>.

**\*\*NOTE:** Applicants must be aware that clinical sites may impose Covid and other vaccination requirements, which may or may not include waivers for not obtaining the vaccines. Students are obligated to comply with these requirements when they exist in order to attend clinical experiences.

## SURGICAL TECHNOLOGY CURRICULUM 2023-2024

### *Required Courses/Certification to gain admission to the Surgical Technology Program*

Before the student will be considered eligible to apply to the Surgical Technology program, all courses must be completed with a grade of "C" or higher. A cumulative GPA of 3.0 "B" or higher is preferred for the following prerequisite courses:

		<u>Credits</u>
<b>BIO181</b>	General Biology (prerequisite to BIO 201 and BIO 205)	4
<b>BIO201</b>	Human Anatomy & Physiology I	4
<b>BIO205</b>	Microbiology	4
<b>CHM130</b>	Fundamental Chemistry	4
<b>ENL101</b>	College Composition I	3
Core Requirements:		
<b>HES170</b>	Medical Terminology	<u>3</u>
Total		22

### Required Courses to Complete the Surgical Technology Program

		<u>Credits</u>
<b><u>1<sup>st</sup> Semester:</u></b>		
Core Requirements:		
<b>SGT121</b>	Surgical Sterile Technique and Instrumentation	2
<b>SGT117</b>	Pharmacology for Surgical Technology	3
General Education Requirement:		
<b>BIO202</b>	Human Anatomy & Physiology II	4
<b>ENL102</b>	College Composition II*	<u>3</u>
Total		12
<b><u>2<sup>nd</sup> Semester:</u></b>		
Core requirements:		
<b>SGT122</b>	Surgical Techniques	4
<b>SGT221</b>	Perioperative Procedures	4
<b>SGT222</b>	Surgical Concept and Specialty Procedures	4
General Education:		
<b>PSY101</b>	Introduction to Psychology*	<u>3</u>
Total		15
<b><u>3<sup>rd</sup> Semester:</u></b>		
Core Requirement:		
<b>SGT223</b>	Surgical Technology Clinical Practicum I	5
General Education Requirement:		
<b>SOC 101 or ANT 102</b>	General Sociology or Cultural Anthropology*	<u>3</u>
Total		8
<b><u>4<sup>th</sup> Semester:</u></b>		
Core Requirements:		
<b>SGT224</b>	Surgical Technology Clinical Practicum II	10
<b>SGT219</b>	Surgical Technician Review Course	<u>1</u>
Total		11
<b>Total Program Requirements:</b>		
Surgical Technology Core		36 credit hours
General Education Requirements		<u>32 credit hours</u>
		68 credit hours

\*All general education or non-SGT courses may be completed before entering the program but **must be completed as listed** above and no later than the beginning of the next semester. If the courses are not completed as stated, the student cannot continue in the Surgical Technology program. The semester schedule of core surgical technology courses may be altered.

## COURSE DESCRIPTIONS

**SGT 117 Pharmacology for Surgical Technology • 3 cr.**

**3 hr. Lecture**

Presents role of the surgical technologist in safe handling of drugs according to standard policies and best practices. Includes drug classifications and uses, federal and state pharmacy regulations. Covers labeling, dosage calculation, and methods of administration. Emphasizes complications and safety issues of medication administration.

**SGT 121 Surgical Sterile Techniques and Instrumentation • 2 cr.**

**1 hr. Lecture/ 2 hr. Lab/ 1 hr.**

**Clinical** Introduction to surgical technologist profession and practice. Applies principles of microbiology to decontamination, inspection, sterilization, packaging and storage of reusable surgical instruments and devices.

**SGT 122 Surgical Techniques • 4 cr.**

**3 hr. Lecture/ 3 hr.**

**Lab** Introduction to the hospital environment, the role of the surgical technologist, fundamental principles and practices in surgical techniques, safe patient care and knowledge to identify, select and safely use equipment and supplies in the operating room.

**SGT 221 Perioperative Procedures • 4 cr.**

**3 hr. Lecture/ 3 hr.**

**Lab** Develops fundamental understanding of perioperative environments, roles of surgical team members and surgical patient processes. Includes a clinical experience in sterile processing environment.

**SGT 222 Surgical Concepts and Specialty Procedures • 4 cr.**

**3 hr. Lecture/ 3 hr.**

**Lab** Classroom presentations and laboratory demonstrations of surgical procedures with review of anatomy and related pathophysiology. Operating room procedures, instrumentation and equipment in surgical specialties including genitourinary, ophthalmic, otolaryngology, maxillofacial, plastic/reconstructive, orthopedic, vascular, thoracic/pulmonary, cardiac, pediatric, neurosurgery, and emergency trauma.

**SGT 223 Surgical Technology Clinical Practicum I • 5 cr.**

**272 Clinical Case Hours**

Students assume role as surgical technologist in a live operating room setting applying learned skills.

**SGT 224 Surgical Technology Clinical Practicum II • 10 cr.**

**496 Clinical Case Hours**

Continuation of SGT 223 providing student opportunities to develop proficiency by serving in first and second scrub roles on surgical cases of increasing complexity to advance toward entry-level graduate achievement.

**SGT 229 Surgical Technician Review Seminar • 1 cr.**

**1 hr. Lecture**

Continuation of SGT 223 providing student opportunities to develop proficiency by serving in first and second scrub roles on surgical cases of increasing complexity to advance toward entry-level graduate achievement.

## ESSENTIAL FUNCTIONS IN SURGICAL TECHNOLOGY

This document describes a variety of essential functions that students must be able to satisfy, with or without reasonable accommodation, in order to provide safe patient care. Essential functions, as distinguished from academic standards, refer to those physical, cognitive, and behavioral abilities required for satisfactory completion of all aspects of the curriculum, and the development of professional attributes required by the faculty of all students at graduation. The essential functions required by the curriculum are in the following areas: motor, sensory, communication, intellectual (conceptual, integrative, and quantitative abilities for problem solving and patient assessment), and the behavioral and social aspects that impact the performance of a surgical technology student.

Surgical technology students gain experience primarily at hospitals and outpatient surgical centers. The work terrain often varies and students may be expected to walk significant distances. Training in surgical technology includes active, complex experiences, requiring the ability to keep track of two to ten vital activities at a time. Transportation with or without accommodations to health care facilities is the responsibility of the student.

The program requires the use of comprehensive speech, memory, reading and writing to communicate with clients, families and other health professionals. The student must be able to quickly and efficiently provide direct care functions, engage in professional communication, collaborate with team members, and function effectively in situations of considerable stress.

Essential functions for surgical technology include the use of all senses to gather information, i.e., noting color changes in skin, hearing faint voices and body sounds (e.g., heartbeat through stethoscope), feeling pulses, and feeling skin temperature, etc. Patient care requires the ability to synthesize information from a variety of sources and apply it in making decisions regarding safe care. The student must be focused and alert to maintain patient safety. This includes the ability to place the patients' needs first. During each clinical experience, the surgical technology student is assigned patient care which may include medication preparation and direct care functions. The student must be prepared to respond appropriately to medical emergencies.

The students are expected to respect and care for persons whose appearance, condition, behaviors, and values may be in conflict with their own. Quality health-related professional care is to be provided regardless of patient's race, ethnicity, age, gender, religion, sexual orientation, or diagnosis. The student may be asked to participate in procedures which conflict with his or her personal beliefs and values. A student in the Surgical Technology program is expected to conduct oneself in a composed, respectful manner in all situations, and with all persons. The student must work as a member of a team to share the burden of caring for the physical and emotional needs of a patient and those family members and significant persons close to the patient.

During clinical experiences, the surgical technology student must be able to accomplish tasks that ordinarily require the student to: stoop/bend, squat, kneel, climb, push/pull, grasp/handle, reach over shoulders, reach at waist, reach below waist, lift, hear, see, touch, smell, stand, and walk the distance of 100 yards 20 -75 times during an 8-hour shift. Physical agility is required while working around tables and chairs in operating room and clinical area, as well as occasional stooping and/or bending to retrieve supplies from lower storage areas. There is pushing and pulling of various medical equipment, medications, and items required for patient care. There may be a need to lift patients up to or in excess of 100 pounds with and without mechanical devices. The student must be able to assess patients' conditions and changes in condition.

Please contact the Office of Accessibility and Inclusion at [npc.edu/oai](http://npc.edu/oai) regarding accommodations and documentation requirements. To insure appropriate accommodations, it is the student's responsibility to request accommodations in a timely manner and to provide appropriate documentation to verify eligibility for support services.

## FUNCTIONAL ABILITIES ESSENTIAL FOR SURGICAL TECHNOLOGY PRACTICE

Individuals who apply for admission to the Northland Pioneer College Surgical Technology program must be able to perform essential skills. Any applicant who has met the necessary prerequisites and who can perform the essential functions will be considered for admission. If a student believes that he or she cannot meet one or more of the standards without accommodations, the Surgical Technology program must determine, on an individual basis, whether a reasonable accommodation can be made.

Functional Ability	Standard	EXAMPLES of required activities
Motor Abilities	Physical abilities and mobility sufficient to perform job duties.	<ul style="list-style-type: none"> <li>-Mobility sufficient to carry out patient care procedures such as assisting with positioning patients, administering CPR, assisting with turning and lifting patients, providing care in confined spaces such as treatment room or operating suite.</li> <li>-Ability to stand for long periods of time (2-4 hours), walk, twist, turn, bend, stoop, squat, sit, climb stairs and move quickly.</li> <li>-Reach above shoulders, below waist and in front.</li> <li>-Push and pull 50 pounds (e.g., carry instrument pans, move equipment).</li> <li>-Support 50 pounds of weight (e.g., hold arm or leg) and lift 50 pounds (e.g., pick up a child, transfer patient, bend to lift an infant or child).</li> <li>-Carry equipment/supplies (e.g., lift instrument pans).</li> <li>-Use upper body strength, e.g., retraction, physically restrain a patient, etc.</li> <li>-Squeeze with hand (e.g., operate fire extinguisher.)</li> </ul>
Manual Dexterity	Demonstrate fine motor skills sufficient for providing safe patient care.	<ul style="list-style-type: none"> <li>-Motor skills sufficient to handle small equipment such as small screws, perform suctioning, insert catheters, squeeze droppers, type with a keyboard.</li> </ul>
Perceptual/ Sensory Ability	Sensory/perceptual ability to monitor and assess patients.	<ul style="list-style-type: none"> <li>-Sensory abilities sufficient to hear alarms, auscultation sounds, cries for help, person-to-person conversation, and discriminate sounds in presence of background noises.</li> <li>-Ability to hear in situation while not able to see lips.</li> <li>-Visual acuity to read calibrations on 1mL syringe, assess color and intensity (cyanosis, pallor).</li> <li>-Ability to see in a darkened room (e.g., during endoscopic and eye procedures).</li> <li>-Possess peripheral vision and depth perception.</li> <li>-See objects 20 inches away and 20 feet away (e.g., information on monitors, identification of small needles, etc.).</li> <li>-Tactile ability to feel pulses, detect temperature (skin/solutions), discriminate surface characteristics, feel differences in size and shape, and detect environmental temperature.</li> <li>-Olfactory ability to detect smoke or noxious odor, etc.</li> </ul>
Behavioral/ Interpersonal/ Emotional	Ability to function in a stressful work environment prone to change and unexpected situations.	<ul style="list-style-type: none"> <li>-Establish rapport with patients and colleagues.</li> <li>-Function as part of a team and workgroup.</li> <li>-Emotional skills sufficient to remain calm in an emergency situation.</li> <li>-Behavioral skills sufficient to exercise good judgment and prompt completion of all responsibilities attendant to the safe and effective care of patients.</li> <li>-Perform multiple responsibilities concurrently</li> <li>-Adapt rapidly to environmental changes and multiple task demands.</li> <li>-Maintain behavioral decorum in stressful situations.</li> <li>-Cope with strong emotions in others (e.g., grief, anger, stress)</li> <li>-Negotiate interpersonal conflict.</li> <li>-Accept constructive feedback</li> <li>-Accept responsibility for own actions</li> <li>-Relate to colleagues, staff, and patients with honesty, integrity, and non-discrimination.</li> <li>-Develop mature, sensitive, and effective therapeutic</li> </ul>



		<p>relationships.</p> <ul style="list-style-type: none"> <li>-Establish rapport and interact professionally with individuals, families, and groups from various social, emotional, cultural, and intellectual backgrounds.</li> <li>-Adapt and work constructively in stressful and changing environments.</li> <li>-Ability to adapt to unexpected circumstances (client condition, crisis, etc.).</li> <li>-Demonstrate ethical behavior, including adherence to professional codes of conduct.</li> </ul>
Communication	Required communication abilities, including speech, hearing, reading, writing, language skills and computer literacy.	<ul style="list-style-type: none"> <li>-Gives verbal directions to or follows verbal directions from other members of the healthcare team and participates in health care team discussions of patient care.</li> <li>-Elicits and records information about health history, current health state and responses to treatment from patients or family members.</li> <li>-Conveys information to clients and others as necessary to teach, direct and counsel individuals in an accurate, effective and timely manner.</li> <li>-Establishes and maintains effective working relations with patients and co-workers.</li> <li>-Recognizes and reports critical patient information to other caregivers.</li> <li>-Communicates in English with patients, families, and members of the health care team with clarity, accuracy, and efficiency.</li> <li>-Recognizes both verbal and non-verbal communication, such as facial expressions, affect, and body language.</li> </ul>
Cognitive/ Conceptual/ Quantitative Abilities	Demonstrate problem-solving abilities.	<ul style="list-style-type: none"> <li>-Calculates appropriate medication dosage given specific patient parameters.</li> <li>-Ability to count, add, subtract, multiply, divide whole numbers and compute fraction and decimals.</li> <li>-Documents numbers in records.</li> <li>-Tells and measures time.</li> <li>-Reads measurement marks (e.g., ruler, scale)</li> <li>-Analyzes and synthesizes abstract and concrete data, problem solves, and evaluates outcomes.</li> <li>-Collects data, prioritize needs and tasks and anticipate reactions.</li> <li>-Comprehends spatial relationships adequate to properly administer injections, start intravenous lines or assess wounds of varying depths.</li> <li>-Recognizes an emergency situation and responds effectively to safeguard the patient and other caregivers.</li> <li>-Transfers knowledge from one situation to another.</li> <li>-Accurately processes information on medication container, physicians' orders, monitors, equipment calibrations, printed documents, flow sheets, graphic sheets, medication administration records, other medical records and policy and procedure manuals.</li> <li>-Reads and understands written documents in English.</li> <li>-Solves problems involving measurements, calculations, reasoning, analysis, and synthesis.</li> <li>-Gathers data, develops a plan of action, establishes priorities, monitors and evaluates treatment plans and modalities.</li> <li>-Comprehends three-dimensional and spatial relationships.</li> <li>-Responds effectively in emergency situations.</li> <li>-Transfers knowledge from one situation to another.</li> <li>-Utilizes long-term and short-term memory.</li> </ul>

<p>Safe environment for patients, families, and co-workers</p>	<p>Minimize hazards in the operative area.</p>	<ul style="list-style-type: none"> <li>-Prioritizes tasks to ensure patient safety and standard of care.</li> <li>-Maintains adequate concentration and attention in patient care settings.</li> <li>-Seeks assistance when situation requires a higher level or expertise/experience.</li> <li>-Responds to monitor alarms, emergency signals, call bells from patients, and orders in a rapid and effective manner.</li> <li>-Tolerates confined spaces, exposure to allergens, (e.g., latex gloves, chemical substances), strong soaps and odors, unpleasant sights, grease, oils, slippery or uneven walking surfaces, excessive noises, and extreme temperatures.</li> <li>-Tolerates surgical attire (gown, mask, gloves, head and shoe covers, etc.) for long periods of time.</li> <li>-Accurately identifies patients.</li> <li>-Effectively communicates with other caregivers.</li> <li>-Administers medications safely and accurately within the scope of a surgical technologist.</li> <li>-Operates equipment safely.</li> <li>-Recognizes and minimizes hazards in the operative area, including those that could increase the risk of healthcare associated infections.</li> </ul>
<p>Punctuality/work habits</p>	<p>Demonstrates professional role behaviors in the classroom and clinical setting.</p>	<ul style="list-style-type: none"> <li>-Is punctual to class and clinical assignments; adheres to classroom and clinical schedules.</li> <li>-Reads, understands and adheres to all policies and procedures related to classroom and clinical experiences as described in the Surgical Technology Student Handbook, college catalog, course syllabi, and NPC policies/procedures.</li> <li>-Contacts instructor in advance of any absence or late arrival.</li> <li>-Understands and completes classroom and clinical assignments by due date and time.</li> </ul>

## **DRUG SCREENING AND SUBSTANCE ABUSE PROCEDURES**

A pre-clinical drug screening is required for all surgical technology students prior to the first clinical experiences. Students are given a twelve- or twenty-four hour notice to proceed with this drug screening (urine specimen). In addition, there is a “For Cause” substance abuse procedure for students who exhibit mental or physical impairment due to use of alcohol, illegal or prescribed drugs while carrying out student Surgical Technology responsibilities in the college and health care settings. “For Cause” screening is at the student’s expense. Both procedures are in the Surgical Technology Student Handbook.

### **CPR**

All students must provide current proof of valid Basic Life Support at the healthcare provider level certification by admission deadlines and keep current throughout the program.

### **DPS FINGERPRINT CARD**

All students must have a current DPS Level 1 Fingerprint Clearance Card from the Arizona Department of Public Safety prior to enrollment of the application year and must keep the card current throughout the program. Apply at: <http://www.azdps.gov/services/public/fingerprint> as a health science student.

### **MEDICAL EXAMINATION AND IMMUNIZATIONS**

All students must provide proof of medical insurance coverage prior to enrollment and must keep the coverage current throughout the program. A physical examination, immunization records, and negative TB test within the past year are required no later than two weeks prior to the first day of class and ***must be kept current***; this fulfills the requirements of NPC and our clinical facilities. Some facilities also have seasonal requirements pertaining to the flu immunization.

### **CLINICAL ASSIGNMENTS**

Clinical assignments are selected each semester and are subject to change based on current clinical needs and facility requirements. The program requires that students complete clinical experiences in placements as assigned. Students may be required to travel out of district, provide for overnight stays and to work day, night, and weekend shifts.

**\*\*NOTE:** Applicants must be aware that clinical sites may impose Covid vaccination requirements, which may or may not include waivers for not obtaining the vaccine. Students are obligated to comply with these requirements when they exist in order to attend clinical experiences.

### **UNIFORMS**

The program dress code includes scrub pants and tops and appropriate shoes. See the Surgical Technology Student Handbook for complete details.

### **SURGICAL TECHNOLOGY STUDENT HANDBOOK**

For complete Surgical Technology student requirements, policies and procedures, see the Surgical Technology Student Handbook on the NPC website.



**Surgical Technology Program Cost Estimates for In-State Residents**

**Associate of Applied Science (AAS) Degree in Surgical Technology – 68 credits**

<b>Required:</b>	<b><u>Credits</u></b>	<b><u>Tuition</u></b>	<b><u>Course Fee</u></b>
Math – Next Gen Accuplacer required scores as noted in the NPC Catalog.			
Communications	6	\$510	
Physical & Biological Sciences	20	\$1700	\$200
Social and Behavioral Sciences	6	\$510	
<hr/>			
General Education Courses	32	\$2720	\$200
<b>Plus, these additional 30 credits of core requirements:</b>			
HES170 -- Medical Terminology	3	\$255	\$0
SGT117 – Pharmacology for Surgical Technology	3	\$255	\$0
SGT121 – Surg. Sterile Techniques/Instr.	2	\$170	\$100
SGT122 – Surgical Techniques	4	\$340	\$150
SGT221 – Perioperative Procedures	4	\$340	\$100
SGT222 – Surgical Concepts and Specialty Procedures	4	\$340	\$0
SGT223 – Surgical Tech. Clinical Practicum I	5	\$425	\$0
SGT224 – Surgical Tech Clinical Practicum II	10	\$850	\$0
SGT229 – Surgical Technologist Review Seminar	1	\$85	\$0
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Totals (including Pre- & Co-Requisites)	68	\$5,780	\$550

Before beginning the clinical practicum, a current Basic Life Support and First Aid cards and DPS Level I Fingerprint Clearance Card are required.

CPR for Healthcare Providers and First Aid cost is ½ cr. tuition, plus a \$15 course fee = \$57.50  
 DPS Clearance Card cost is \$75.00.

Students must also meet health (vaccination) requirements or have titers showing immunity.

The estimated dollar amount for the books/resources for the Surgical Technology Program is \$790.



**Surgical Technology Program Cost Estimates for Navajo County Residents**

**Associate of Applied Science (AAS) Degree in Surgical Technology – 68 Credits**

<b>Required:</b>	<b><u>Credits</u></b>	<b><u>Tuition</u></b>	<b><u>Course Fee</u></b>
Math – Next Gen Accuplacer required scores as noted in the NPC Catalog.			
Communications	6	\$408	
Physical & Biological Sciences	20	\$1,360	\$200
Social and Behavioral Sciences	6	\$408	
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General Education Courses:	32	\$2,176	\$200
<b>Plus, these additional 30 credits of core requirements:</b>			
HES170 -- Medical Terminology	3	\$204	\$0
SGT117 -- Pharmacology for Surgical Technology	3	\$204	\$0
SGT121 – Surg. Sterile Techniques/Instr.	2	\$136	\$100
SGT122 – Surgical Techniques	4	\$272	\$150
SGT221 – Perioperative Procedures	4	\$272	\$100
SGT222 – Surgical Concepts and Specialty Procedures	4	\$272	\$0
SGT223 – Surgical Tech. Clinical Practicum I	5	\$340	\$0
SGT224 – Surgical Tech. Clinical Practicum II	10	\$680	\$0
SGT229 – Surgical Technologist Review Seminar	1	\$68	\$0
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Totals (including Pre- & Co-Requisites)	68	\$4,624	\$550

Before beginning the externship, current Basic Life Support and First Aid cards, and DPS Level I Fingerprint Clearance Card are required.

CPR for Healthcare Providers and First Aid cost is ½ cr. tuition, plus a \$15 course fee = \$49.00.  
DPS Clearance Card cost is \$75.00.

Students must also meet health (vaccination) requirements or have titers showing immunity.

The estimated dollar amount for the books/resources for the Surgical Technology Program is \$790.