



## **Northland Pioneer College**

### **ASSOCIATE OF APPLIED SCIENCE DEGREE PROGRAM SURGICAL TECHNOLOGY**

#### **ADMISSION INFORMATION 2025-2026**

The Surgical Technology Program mission promotes Northland Pioneer College's mission to provide, support, and promote lifelong learning 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). The program is applying for accreditation with the Commission on Accreditation of Allied Health Education Program (CAAHEP) Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA). The program is actively seeking accreditation at this time in hopes that the program will be reviewed for accreditation by the ARC/STSA in the academic 2025/2026 year during enrollment of our fifth, sixth and seventh cohorts. The Certified Surgical Technologist designation can only be awarded to students who complete a program that is concurrently accredited by CAAHEP during their enrollment. Under standards the accreditation CAAHEP can withhold or deny accreditation upon review of findings and recommendation of the ARC/STSA. All cohorts of Surgical Technology students taking NPC's program, upon completion of are eligible to sit for certification as a Tech in Surgery TS-C through the National Center for Competency Testing (NCCT). Certification is not required as a Surgical Technologist to work in the State of Arizona. The college makes no representation, promise or guarantee that completion of this program assures eligibility for/or passage of any certification examination or acceptance by any state board. This program is not intended to prepare students for employment in any other state than Arizona.

#### **Program Information**

Northland Pioneer College Career Technology Education (CTE) and Allied Health division has formal clinical agreements with Summit Healthcare Regional Medical Center, Little Colorado Medical Center, Flagstaff Medical Center, Sunrise Ambulatory Surgical Center, Whiteriver Indian Hospital, Safford's Mt. Graham Regional Medical Center, White Mountain Regional Center, Sage Memorial Hospital, Dilkon Medical Center, and Banner Hospitals, Oasis Hospital is in process. These facilities provide our 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 starting 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 60 credit hours is designed for students to complete 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 will participate in assuming the first Scrub and second Scrub roles of the surgical technologist for a minimum of 125 cases, 90 of which must be 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 be admitted to the Surgical Technology Program to enroll in Surgical Technology courses.

### **Transfer Students**

Surgical Technology degree-seeking transfer students should submit official copies of previous college work to the Records & Registration Office. Evaluated credits will aid advisement prior to enrolling in classes. Transfer students require a letter of recommendation from the director of their previous Surgical Technology program. The Admission Committee will consider 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 Career Technology Education (CTE) 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 and distribution of the copies of the petition form.

### **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. If you will benefit from academic accommodations for placement testing, contact the Disability Resource and Access Office.

### **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. 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 Student Accommodation Services Coordinator located at the Silver Creek Campus at (928) 536-6246, 1-800-266-7845 ext. 6246 or [catherine.buckhorn@npc.edu](mailto:catherine.buckhorn@npc.edu) to receive information regarding accommodations and documentation requirements. To ensure 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.

**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 composed of the Dean of Career Technical Education and Allied Health, Surgical Technology Coordinator, Allied Health Coordinator, a representative from Student Services, an academic adviser and at-large faculty review the applications and make selection of applicants for admission. Admission criteria includes: pre-admission exam scores, grade point average (GPA) for 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 pre-admission exam scores and GPA of the required courses for admission. Admission is contingent upon completion of required 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 based on 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 Vice President of Human Resources, 2251 E. Navajo Blvd., Holbrook, Arizona 86025, (928) 524-7471. The Section 504 Compliance Officer is the Coordinator of the Office of Student Accommodation Services, 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.

## SURGICAL TECHNOLOGY PROGRAM STEPS FOR ADMISSION

### I. Pre-Requisites:

Completion of the following prerequisite courses:

HES 170 Medical Terminology

HES 190 Human Body in Health and Disease

- ♦ All applicants must demonstrate minimal competency in Arithmetic by taking the placement exam and scoring a minimum of Next Gen ACCUPLACER 263; or ACT 17. or MAT101/HES101 MAT109 or higher within three years.

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, see academic advisor.**

- II. Submit the completed notarized application and the Notice of No Guarantee of 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. Transcripts can also be sent electronically to Records and Registration at [evaluation@npc.edu](mailto:evaluation@npc.edu). In order to guarantee that your transcripts are evaluated and sent to the Allied Health department by the deadline date we strongly recommend that your transcripts are received in the R&R office by **2 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. 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 our Surgical Technology Program.
- VI. Current Arizona DPS Level 1 Fingerprint Clearance Card. Make sure you do the digital process on fingerprints to obtain the 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 Allied Health- Surgical Technology Program office by the application deadline at the following address:**

**MAIL application to:**

Northland Pioneer College  
WMC - Allied Health, Kimberly Bishop  
P.O. Box 610  
Holbrook, AZ 86025

**OR**

**Hand Deliver application to:**

Allied Health-Surgical Technology Program Office  
WMC, Front Office Attn: Kimberly Bishop  
1001 W. Deuce of Clubs  
Show Low, AZ 85901

## AAS - SURGICAL TECHNOLOGY CURRICULUM 2025-2026

### *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:

		Credits
HES170	Medical Terminology for Clinical Health Professionals	3
HES190	Human Body in Health and Disease	<u>4</u>
	<b>Total</b>	<b>7</b>

Math placement score at minimum of: Next Gen ACCUPLACER 263 Arithmetic/Numeric; or ACT 17 or MAT101/HES101 MAT109 or higher within three years.

### **Required Courses to Complete the Surgical Technology Program**

<b>1st Semester:</b>		<b>Credits</b>
<b>Core Requirements:</b>		
SGT117	Pharmacology for Surgical Technology	3
SGT121	Surgical Sterile Technique and Instrumentation	2
SGT122	Surgical Technique	4
<b>General Education Requirement:</b>		
ENL101	College Composition I	3
HES 101	Basic Technical Mathematics OR MAT 109 or higher	<u>3</u>
	<b>Total</b>	<b>15</b>
<b>2nd Semester:</b>		
<b>Core Requirements:</b>		
SGT221	Perioperative Procedures	4
SGT222	Surgical Concept and Specialty Procedures	4
<b>General Education:</b>		
HES201	Microbiology for the Healthcare Professional	4
BIO181	General Biology I	<u>4</u>
	<b>Total</b>	<b>16</b>
<b>3rd Semester:</b>		
<b>Core Requirement:</b>		
SGT223	Surgical Technology Clinical Practicum I	5
<b>General Education Requirement:</b>		
ENL102	College Composition II	<u>3</u>
	<b>Total</b>	<b>8</b>
<b>4th Semester:</b>		
<b>Core Requirement:</b>		
SGT224	Surgical Technology Clinical Practicum II	10
SGT229	Surgical Technician Review Course	1

**General Education Requirement:**

Social and Behavioral Sciences	<i>Pick one</i>	3
PSY101	Introduction to Psychology*	
ANT102	Cultural Anthropology	
SOC101	Introduction to Sociology	

**Total 14**  
**Program Total- 60**

**Total Program Requirements:**

Surgical Technology Core	36 credit hours
General Education Requirements	<u>24 credit hours</u>
	<b>60 credit hours</b>

\*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.

**SURGICAL TECHNOLOGY PROGRAM COURSE DESCRIPTIONS****CORE SURGICAL TECHNOLOGY COURSES**

**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



## **SURGICAL TECHNOLOGY PROGRAM 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., color changes in skin, hearing faint voices and body sound e.g., heartbeat through stethoscope, feeling pulses, and feeling hot/cold skin, 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 patient's 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 within 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 the patient's condition and changes in condition.

Please contact Catherine "Kate" Buckhorn in the Office of Student Accommodation Services at (928) 536-6246, 1-800-266-7845 ext. 6246 or [Catherine.Buckhorn@npc.edu](mailto:Catherine.Buckhorn@npc.edu) to receive information regarding accommodations and documentation requirements ([Student Accommodation Services | Northland Pioneer College, Arizona](#)). To ensure 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.



# NORTHLAND PIONEER COLLEGE

## SURGICAL TECHNOLOGY PROGRAM

Communication	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ability to communicate in English with accuracy, clarity and efficiency with patients, their families and other members of the health care team (including spoken and non-verbal communication, such as interpretation of facial expressions, affect and body language).</li> <li><input type="checkbox"/> Required communication abilities, including speech, hearing, reading, writing, language skills and computer literacy</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> 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><input type="checkbox"/> Elicits and records information about health history, current health state and responses to treatment from patients or family members.</li> <li><input type="checkbox"/> Conveys information to clients and others as necessary to teach, direct and counsel individuals in an accurate, effective and timely manner.</li> <li><input type="checkbox"/> Establishes and maintains effective working relations with patients and co-workers.</li> <li><input type="checkbox"/> Recognizes and reports critical patient information to other caregivers.</li> </ul>
Cognitive/ Conceptual/ Quantitative Abilities	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ability to read and understand written documents in English and solve problems involving measurement, calculation, reasoning, analysis and synthesis.</li> <li><input type="checkbox"/> Ability to gather data, to develop a plan of action, establish priorities and monitor and evaluate treatment plans and modalities.</li> <li><input type="checkbox"/> Ability to react effectively in an emergency situation.</li> <li><input type="checkbox"/> Ability to transfer knowledge from one situation to another</li> <li><input type="checkbox"/> Utilizes long-term and short-term memory</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Calculates appropriate medication dosage given specific patient parameters. Ability to count, add, subtract, multiply, divide whole numbers and compute fraction and decimals. Document numbers in records. Tell and measure time. Read measurement marks (e.g., ruler, scale)</li> <li><input type="checkbox"/> Analyzes and synthesizes abstract and concrete data, problem solves, and evaluates outcomes.</li> <li><input type="checkbox"/> Collects data, prioritize needs and tasks and anticipate reactions.</li> <li><input type="checkbox"/> Recognizes an emergency situation and responds effectively to safeguard the patient and other caregivers.</li> <li> </li> <li><input type="checkbox"/> Transfers knowledge from one situation to another.</li> <li> </li> <li><input type="checkbox"/> 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> </ul>
Safe environment for patients, families and coworkers	<ul style="list-style-type: none"> <li><input type="checkbox"/> Ability to accurately identify patients.</li> <li><input type="checkbox"/> Ability to effectively communicate with other caregivers.</li> <li><input type="checkbox"/> Ability to administer medications safely and accurately.</li> <li><input type="checkbox"/> Ability to operate equipment safely in the operative area.</li> <li><input type="checkbox"/> Ability to recognize and minimize hazards that could increase healthcare associated infections. Ability to recognize and minimize accident hazards in the clinical setting including hazards created by clinical staff and students that contribute to patient, family and co-worker falls.</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Prioritizes tasks to ensure patient safety and standard of care.</li> <li><input type="checkbox"/> Maintains adequate concentration and attention in patient care settings.</li> <li><input type="checkbox"/> Seeks assistance when situation requires a higher level or expertise/experience.</li> <li><input type="checkbox"/> Responds to monitor alarms, emergency signals, call bells from patients, and orders in a rapid and effective manner.</li> <li><input type="checkbox"/> 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> </ul>

Punctuality/ work habits	<input type="checkbox"/> Ability to adhere to NPC policies, procedures and requirements as described in the Surgical Technology Student Handbook, college catalog, student handbook and course syllabus. Ability to complete classroom and clinical assignments and submit assignments at the required time. Ability to adhere to classroom and clinical schedules.	<input type="checkbox"/> Attends class and clinical assignments punctually. <input type="checkbox"/> Reads, understands and adheres to all policies related to classroom and clinical experiences. <input type="checkbox"/> Contacts instructor in advance of any absence or late arrival. <input type="checkbox"/> Understands and completes classroom and clinical assignments by due date and time.
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Functional Ability	Standard	EXAMPLES of required activities
Motor Abilities	Physical abilities and mobility sufficient to execute gross motor skills, physical endurance, and strength, to provide patient care. Must maintain balance in multiple position, reach above shoulders, below waist and out front.	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. Ability to stand for long periods of time (2-4 hours), walk, twist, turn, bend, stoop, squat, sit, climb stairs and move quickly. Reach above shoulders, below waist and out front. Push and pull 50 pounds (e.g., carry instrument pans, move equipment). Support 50 pounds of weight (e.g., hold arm or leg). Lift 50 pound (e.g., pick up a child, transfer patient, bend to lift an infant or child). Carry equipment/supplies (e.g., lift instrument pans). Use upper body strength, e.g., retraction, physically restrain a patient. Squeeze with hand (e.g., operate fire extinguisher)
Manual Dexterity	Demonstrate fine motor skills sufficient for providing safe patient care.	Motor skills sufficient to handle small equipment such as small screws, perform suctioning, insert catheters, squeeze dropper, typing with keyboard.
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 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 1 cc syringe, assess color and intensity (cyanosis, pallor). See in a darkened room (e.g., during endoscopic and eye procedures). Use peripheral vision. See objects 20 inches away and 20 feet away (e.g., information on monitors, identification of small needles). Depth perception and peripheral vision.</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	<ul style="list-style-type: none"> <li>• Ability to relate to colleagues, staff and patients with honesty, integrity and nondiscrimination.</li> <li>• Capacity for development of mature, sensitive and effective therapeutic relationships</li> <li>• Interpersonal abilities sufficient to establish rapport and interact professionally with individuals, families and groups from various social, emotional, cultural and intellectual backgrounds.</li> <li>• Ability adapt to and work constructively in stressful and changing environments with the ability to modify behavior in response to constructive criticism. Ability to deal with the unexpected (e.g., client condition, crisis)</li> <li>• Capacity to demonstrate ethical behavior, including adherence to the professional codes of conduct.</li> </ul>	<ul style="list-style-type: none"> <li>• Establishes rapport with patients and colleagues.</li> <li>• Functions 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 demonstrate the exercise of good judgment and prompt completion of all responsibility's attendant to the safe and effective care of patients.</li> <li>• Performs multiple responsibilities concurrently</li> <li>• Adapts rapidly to environmental changes and multiple task demands.</li> <li>• Maintains behavioral decorum in stressful situations.</li> <li>• Copes with strong emotions in others (e.g., grief, anger, stress)</li> <li>• Ability to negotiate interpersonal conflict.</li> <li>• Accepts constructive feedback</li> <li>• Accepts responsibility for own actions</li> </ul>

## **NORTHLAND PIONEER COLLEGE**

### **SURGICAL TECHNOLOGY PROGRAM**

#### **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 Healthcare Provider CPR and First Aid certification by admission deadlines and keep current throughout the program. No online courses are accepted for Healthcare programs. See an academic advisor to sign up for EMT104 for the scheduled CPR/FA courses offered.

#### **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 by 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.

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

#### **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.

\*Travel expenses may be required for clinical

#### **UNIFORMS**

The program dress code includes gray 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.

## **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.