

Associate Degree Anesthesia Technology

Essential Skills for Admission and Progression

Physical and Psychological Requirements

A prospective anesthesia technology (AT) candidate and student must demonstrate the physical and psychological ability to assist with providing safe anesthesia care. Every prospective student must assess his or her ability to provide safe and competent anesthesia care prior to choosing AT as a career. To understand the physical and psychological qualifications needed for success, the essential abilities have been listed below.

Qualifications	Standard	Examples of Necessary Activities
Critical Thinking	The anesthesia technology student must possess critical thinking ability sufficient for problem solving and clinical judgment.	<ul style="list-style-type: none"> • Identify cause-effect relationships in clinical situations • Develop appropriate trouble shooting skills • Assess risks and provide for patient safely • Consider multiple priorities and make effective decisions quickly • Understand the relationship between surgical procedures and the necessary equipment/setup
Interpersonal Skills	The anesthesia technology student must possess interpersonal abilities sufficient to interact with individuals, families and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	<ul style="list-style-type: none"> • Establish relationships with patients, the anesthesia care team and the interdisciplinary healthcare team • Cope effectively and calmly during emotions and stress in the workplace • Demonstrate caring behaviors
Communication	The anesthesia technology student must possess communication abilities sufficient for interaction with others in verbal and written form.	<ul style="list-style-type: none"> • Communicate relevant, accurate, and complete information in a concise and clear manner to coworkers and the anesthesia care team • Utilize information technology to support the anesthesia care team
Mobility	The anesthesia technology student must possess physical abilities sufficient to move from room to room and maneuver in small spaces.	<ul style="list-style-type: none"> • Move around all areas of the operating room and all other areas of the hospital where the anesthesia care team works • Administer cardiopulmonary resuscitation • Stand, squat, reach above head, lift and push/pull anesthesia machines to different parts of the hospital • Walk the equivalent of 5 miles daily at work
Motor Skills	The anesthesia technology student must possess gross and fine motor abilities sufficient to provide safe and effective anesthesia care.	<ul style="list-style-type: none"> • Operate and calibrate anesthesia care equipment proficiently, e.g. assemble equipment and supplies, run a rapid infuser and cell saver and position patients

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Hearing	The anesthesia technology student must possess auditory ability sufficient to monitor and assess patient's needs and maintain facility safety.	<ul style="list-style-type: none"> • Hear equipment alarms and understand the significance of that alarm and how to appropriately deal with them
Visual	The anesthesia technology student must possess visual ability sufficient for observation and assessment necessary in anesthesia care.	<ul style="list-style-type: none"> • Observe patient responses and alert the anesthesia care provider to critical changes • Read and interpret anesthesia equipment displays/waveforms
Weight Bearing	The anesthesia technology student must possess the ability to maneuver/move 30-50 pounds daily.	<ul style="list-style-type: none"> • Position patients • Moving and relocating heavy equipment
Emotional	The anesthesia technology student must possess emotional stability sufficient to maintain composure in stressful situations.	<ul style="list-style-type: none"> • Cope effectively with stress in the workplace • Cope with patient and colleague emotions calmly • Receive corrective feedback calmly
Environmental	The anesthesia technology student must possess the ability to tolerate environmental stressors	<ul style="list-style-type: none"> • Adapt to variations in work schedules • Work safely with chemicals used in healthcare settings • Work in areas that are close, crowded or noisy • Observe infection control policies

1. A prospective student with a disability concerned that the disability may impact his or her ability to perform one or more of these skills, provide patient care, or participate in other job activities, is encouraged to contact a disabilities services staff member for assistance by calling 919-536-7208 or by emailing disabilityservices@durhamtech.edu.
2. To verify a student's ability to provide essential anesthesia care during clinical training, a physical examination is required of all students. This examination will be documented by a physician/nurse-practitioner/physician's assistant on the form provided by the Admissions, Registration, and Records Office.
3. Subsequent yearly TB screening is required. Participation in clinical is contingent upon negative documentation and/or appropriate medical treatment and clearance.
4. Occasionally, a student may experience a change in the status of these requirements while progressing through the curriculum. Should this occur, the student is required to notify the program's Clinical Coordinator.

Student Name: _____
Durham Tech Student ID #: _____

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I certify that I have read the Essential Skills for Admission and Progression form. I certify that I understand the physical and psychological requirements needed for providing safe anesthesia care. I have assessed my ability to perform these skills and am able to demonstrate these essential skills.

Student signature _____ Date _____

*Please submit only this signature page with your application and retain the list of requirements for future reference.