

TECHNICAL STANDARDS

Industrial Mechanical Technician

In this program grouping, students should be able to meet specific technical standards, which are the essential skills and abilities needed to be successful in a program, with or without reasonable accommodation. It is important to review and understand these standards before applying to the program. All Technical Standards documents are available for review on the Mid-State Technical College website. (Go to <https://www.mstc.edu/programs> and select the program.)

This document should be reviewed prior to applying to the program.

Reasonable accommodations for persons with disabilities will be made to ensure access to academic programs, activities, services, and employment in accordance with Section 504 and 508 of the Rehabilitation Act of 1973 and Title II of the Americans with Disabilities Act of 1990, as amended. If accommodations are needed, contact the Disability Services coordinator at 888.575.6782, TTY 711, at least two weeks in advance of needed assistance. Services available are documented at <https://www.mstc.edu/student-services/disability-services>.

For more information, please see Mid-State Technical College's Equal Opportunity/Non-Discrimination Policy.

STANDARD	DEFINITION OF STANDARD	EXAMPLE(S) OF TECHNICAL STANDARD
Critical Thinking Skills	<ul style="list-style-type: none">• Ability to measure, calculate, reason, analyze, integrate and synthesize information.• Ability to think and process information in environments containing high auditory vibration, and visual sensory stimulation.• Ability to follow multi-step procedures.	<ul style="list-style-type: none">• Complete algebra-based math problems.• Follow the instructions of a weld print; machining print; machine assembly print.• Use the context clues of a given situation to determine the next steps in problem resolution (troubleshooting).
Mobility/Motor Skills	<ul style="list-style-type: none">• Ability to demonstrate fine and gross motor skills and coordination for the purposes of safely completing a multitude of job tasks.• Ability to operate industrial machinery, power tools, hand tools, welding equipment, and cutting tools for the purpose of operating safely and properly in industrial / manufacturing environments.• Possess the physical and mental stamina to meet the demands associated with extended periods of standing, moving, and physical exertion required for operation of tools and machines in the performance of maintenance tasks.	<ul style="list-style-type: none">• Understanding the connection between our manual manipulations and the tasks we are performing.• Lift, hold, and operate various power tools for greater than 60 seconds.
Tactile Skills	<ul style="list-style-type: none">• Ability to sense vibrations through touch.	<ul style="list-style-type: none">• Feeling and interpreting vibrations.

TECHNICAL STANDARDS

Industrial Mechanical Technician

	<ul style="list-style-type: none">• Ability to effectively utilize a wide variety of computer, touchscreen, button, and switch type controls.• Ability to manipulate and place components from very small to very large in size.• Ability to effectively use a wide variety of hand and power tools.	<ul style="list-style-type: none">• Picking up and installing very small components.• Feeling the weight of heavy objects to determine if specialized lifting equipment is necessary to complete tasks.
Auditory Skills	<ul style="list-style-type: none">• Ability to tolerate a wide range of loud noises.• Ability to effectively hear sounds that indicate potential issues and problems in the industrial / manufacturing environment.• Ability to utilize auditory feedback in the troubleshooting of machine and system problems.	<ul style="list-style-type: none">• Wearing hearing protection.• Listening and asking questions when necessary to clarify what you have heard.
Visual Skills	<ul style="list-style-type: none">• Possess sufficient visual acuity to distinguish details from a distance and at a close proximity while wearing appropriate eye protection.• Possess sufficient vision to access printed and electronic documents as well as, hardware type and electronic reading measurement tools and gauges.• Ability to distinguish colors when working with electrical equipment.	<ul style="list-style-type: none">• Focusing while looking.• Protecting your eyes with appropriate PPE.
Communication Skills	<ul style="list-style-type: none">• Ability to follow both written and verbal instructions.• Ability to have appropriate interpersonal interactions with other students, faculty, staff, facility owners, customers, and other technicians when providing and receiving information.• Ability to effectively communicate with others, whether written or verbal.• Ability to focus while listening for the purpose of receiving instruction and information in the troubleshooting process.• Ability to use appropriate technology to communicate when necessary.• Ability to formulate and communicate questions.• Ability to effectively communicate in loud and high vibration environments.	<ul style="list-style-type: none">• Listening is crucial to good communication.• Using complete sentences to express thoughts.• Using software to communicate data and information.
Interpersonal Skills	<ul style="list-style-type: none">• Ability to work with others who hold diverse perspectives in a variety of settings and situations.• Ability to effectively listen and express thoughts.	<ul style="list-style-type: none">• Working and playing well with others.• Being considerate and coming to class/ work clean and fresh.

TECHNICAL STANDARDS

Industrial Mechanical Technician

		<ul style="list-style-type: none">• Wearing appropriate clothing for the job/task you are doing.
Behavioral Skills	<ul style="list-style-type: none">• Ability to approach tasks with a calm, safety focused demeanor.• Ability to exercise good decision-making and sound judgment to demonstrate a consistently professional demeanor.• Ability to adapt to changing environments and display flexibility with uncertainties in the industrial/manufacturing lab and work environment.• Possess punctuality in the arrival to classes, work, and appointments as well in the completion and submittal of assigned tasks on time.• Ability to wear/use required personal protection equipment.• Ability to maintain hygiene and dress requirements appropriate for working closely with others in an industrial/manufacturing environment.	<ul style="list-style-type: none">• Consistently getting to class on time.• Getting to work on time.• Completing and submitting assignments on time.• Planning thoroughly.• Not getting flustered when tasks do not go as planned.

Mid-State does not discriminate on the basis of race, color, national origin, sex, disability, or age in its program, activity, or employment. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Vice President – Human Resources; 500 32nd Street North, Wisconsin Rapids, WI 54494; 715.422.5325 • AAEO@mstc.edu.