

# TECHNICAL STANDARDS

## Diesel & Heavy Equipment Technician, Diesel & Heavy Equipment Technician Assistant

In this program grouping, students should be able to meet specific technical standards. These standards are the essential skills and abilities needed to be successful in a program, with or without reasonable accommodation. All Technical Standards documents are available for review on the Mid-State Technical College [website](#).

**It is important to review and understand these technical standards before 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 accommodation is needed, contact the Accessibility Services Coordinator at 888.575.6782, TTY 711, at least two weeks in advance of needed assistance. Services available are documented on the Mid-State Technical College [website](#).

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

TECHNICAL STANDARD	DEFINITION OF TECHNICAL STANDARD	EXAMPLES OF TECHNICAL STANDARD
Auditory Skills	<ul style="list-style-type: none"> <li>Possess sufficient hearing to work effectively and safely.</li> </ul>	<ul style="list-style-type: none"> <li>Detect audible sounds for function and warning of equipment.</li> <li>Detect or differentiate sounds that vary over a broad range of pitch and loudness.</li> </ul>
Behavioral Skills	<ul style="list-style-type: none"> <li>Ability to maintain hygiene and dress requirements.</li> <li>Ability to adapt to changing environments and work-related challenges.</li> </ul>	<ul style="list-style-type: none"> <li>Able to tolerate heat and humidity.</li> <li>Wear personal protective equipment for safe practices (gloves, masks, eyewear).</li> <li>Tolerate heat and humidity.</li> <li>Adhere to safety/emergency protocols.</li> <li>Recognize and respond to hazardous conditions.</li> <li>Operate equipment, adhering to safety standards.</li> <li>Identify and resolve unsafe situations.</li> <li>Be familiar with and follow emergency procedures.</li> </ul>
Communication Skills	<ul style="list-style-type: none"> <li>Ability to communicate orally with others.</li> <li>Ability to communicate effectively in writing.</li> <li>Ability to comprehend and understand spoken and written language.</li> </ul>	<ul style="list-style-type: none"> <li>Collaborate with others.</li> <li>Convey information in a clear, professional and timely manner.</li> <li>Listen and respond to others in an accepting and respectful manner.</li> <li>Work independently and in a team.</li> </ul>

Critical Thinking Skills	<ul style="list-style-type: none"> <li>Ability to use analysis, evaluation, problem solving, judgment, and creative process.</li> </ul>	<ul style="list-style-type: none"> <li>Apply knowledge and skills learned in the classroom to a work setting.</li> <li>Comprehend and follow instructions.</li> <li>Follow a process from start to finish, sequence information.</li> <li>Adapt decisions based on new information.</li> <li>Maintain focus in an environment with distractions.</li> <li>Follow emergency procedures as needed.</li> <li>Ability to problem-solve complex situations.</li> </ul>
Interpersonal Skills	<ul style="list-style-type: none"> <li>Ability to work with others in a variety of settings and situations.</li> <li>Ability to listen to others and determine their wants and needs.</li> </ul>	<ul style="list-style-type: none"> <li>Establish a professional working relationship with coworkers, peers, instructors, and clients.</li> <li>Respond to challenging situations while maintaining composure and professionalism.</li> <li>Display integrity, honesty, respect, reliability and accountability.</li> <li>Demonstrate ability to accept constructive feedback.</li> <li>Demonstrate ability to accept responsibility for own actions.</li> </ul>
Mobility and Motor Skills	<ul style="list-style-type: none"> <li>Ability to lift objects weighing up to 50 pounds.</li> <li>Ability to stand or sit for prolonged periods of time.</li> <li>Ability to perform repetitive physical actions.</li> <li>Ability to operate a motor vehicle safely.</li> </ul>	<ul style="list-style-type: none"> <li>Move in confined spaces; maintain balance in standing position.</li> <li>Move body from one side to the other.</li> <li>Reach below the waist and to the front or the side of the body to the level of the top of head (i.e., adjust equipment at or near top of vehicles, etc.).</li> <li>Push, pull, stabilize, and freely move arms to allow movement of a part, tool, object from one place to another.</li> <li>Manipulate, assemble, and move equipment.</li> </ul>
Tactile Skills	<ul style="list-style-type: none"> <li>Ability to understand information perceived by touch.</li> <li>Ability to work with hands, being able to feel by touch, finger dexterity.</li> </ul>	<ul style="list-style-type: none"> <li>Grasp, twist, squeeze, pinch, and manipulate equipment.</li> </ul>
Visual Skills	<ul style="list-style-type: none"> <li>Ability to sufficiently access printed and electronic documents as well as readings on gauges.</li> <li>Ability to see shades of color.</li> </ul>	<ul style="list-style-type: none"> <li>Visually detect equipment displays.</li> <li>Visually detect environmental hazards.</li> <li>Detect objects, symbols and numbers both near and far.</li> <li>Detect and identify different colors.</li> <li>Able to work in varied lighting environments.</li> </ul>

barrier to admission or participation in any college program or service. Mid-State complies with the American with Disabilities Act and provides reasonable accommodations to assist persons with disabilities upon request.